Georgia Power Company
Plant Wansley CCR Landfill
PERMIT #: 074-005D(LI)
Heard County

SUPPLEMENTAL 2019 FIRST SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Atlantic Coast Consulting, Inc.

PROFESSIONAL CERTIFICATION

This *Supplemental 2019 First Semiannual Groundwater Monitoring & Corrective Action Report*, Georgia Power Company – Plant Wansley Landfill has been prepared in compliance with the United States Environmental Protection Agency coal combustion rule [40 Code of Federal Regulations (CFR) 257 Subpart D] and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 and 391-3-4-.14 by a qualified groundwater scientist or engineer with Atlantic Coast Consulting, Inc (ACC).

ACC certifies that all site constituents were below the applicable Georgia maximum contaminant levels (MCL) except for the beryllium concentration of 0.0056 mg/L in the sample from groundwater monitoring well GWC-27, which exceeds the MCL of 0.004 mg/L. The occurrence of beryllium at this location was documented as pre-dating waste placement and is not a significantly significant increase above background.

ATLANTIC COAST CONSULTING, INC.

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1.0 INTRODUCTION

In accordance with the 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 *Supplemental 2019 First Semiannual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at the Georgia Power Company (GPC) Plant Wansley CCR Landfill (the Site). Semiannual monitoring and reporting for the CCR unit is 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). This report documents the activities completed for the groundwater monitoring program during the first half of 2019 calendar year.

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 Location Map). The site is located onsite south of the plant. The site is composed of three cells within an approximate 73-acre disposal footprint.

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. 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. Also, 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. 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. The water table surface at the Site is a subdued mimic of the topography. Top of the rock surface generally follows topography and likely controls groundwater flow direction in the uppermost aquifer as well. Groundwater generally flows to the south and east.

1.3 Groundwater Monitoring Well Network and CCR Unit Description

A groundwater monitoring system was installed within the uppermost aquifer at Plant Wansley CCR Landfill. 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. Wells were located to serve as upgradient and downgradient

monitoring points based on groundwater flow direction (Table 1, Monitoring Network Well Summary).

2.0 GROUNDWATER MONITORING ACTIVITIES

The following describes monitoring-related activities performed in the first half of 2019. Samples were collected from each well in the monitoring system shown on Figure 2.Table 2, Groundwater Sampling Event Summary, presents a summary of groundwater sampling events completed at the site.

2.1 Monitoring Well Installation and Maintenance

There was no change to the groundwater monitoring system in 2019; the network remained the same as in the previous reporting year. Monitoring well-related activities were limited to the following: Visual inspection of well conditions prior to sampling, recording the site conditions, and performing exterior maintenance to perform sampling under safe and clean conditions.

2.2 Detection Monitoring Program

A routine semiannual sampling event was conducted in January 2019 and the data were reported to Georgia EPD in April 2019. To realign future sampling schedules, an additional sampling event was conducted in June 2019. This report provides data for the June 2019 monitoring event and presents it as the Supplemental First 2019 Semiannual Groundwater Monitoring Report. Based on this revised schedule, a third sampling event will be performed in late 2019 and data will be reported in the 2019 second semiannual groundwater monitoring report.

Groundwater samples from wells in the detection monitoring system were analyzed for the permit-specified semi-annual monitoring parameters as well as Appendix III monitoring parameters per 40 CFR Parts 257 and 261. Data reports for the June 2019 sampling event are included in Appendix A, Laboratory Analytical and Field Sampling Reports.

3.0 SAMPLE METHODOLOGY AND ANALYSIS

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

3.1 Groundwater Flow Direction, Gradient, and Velocity

Prior to each sampling event, groundwater elevations are recorded from the certified well network and piezometers at Wansley CCR Landfill. Groundwater elevations recorded during the monitoring events are summarized in Table 3, Summary of Groundwater Elevations. Groundwater elevation data was used to develop Figure 3, June 2019 Potentiometric Surface Map. As shown on Figure 3, a potentiometric high exists near well GWA-28 in the western portion of the site and near well GWA-2 in the eastern portion of the site; groundwater flows semi-radially from these highs. Across the entire site, groundwater generally flows to the east. The groundwater flow patterns observed during the June 2019 monitoring event is consistent with historical patterns.

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

Equation

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

where: v = ground water 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 permeability based on previous slug test data, and an estimated effective porosity of 0.10. Groundwater flow velocities have been calculated and are tabulated on Table 4, Groundwater Flow Velocity Calculations. The calculated flow velocity was approximately 0.49 feet per day or 179 feet per year.

3.2 Groundwater Sampling

Groundwater samples were collected using low-flow sampling procedures. Purging and sampling was performed using either a peristaltic pump or non-dedicated QED bladder pump. In all cases pump intakes were located at the midpoint of the well screen (or as appropriate determined by the water level). All non-disposable equipment was decontaminated before use and between well locations using procedures described in the latest version of the Region 4 US EPA SESD Operating Procedure for Field Equipment Cleaning and Decontamination as a guide.

Monitoring wells were purged and sampled using low-flow sampling procedures. A SmarTroll (In-Situ field instrument) was used to monitor and record field water quality parameters (pH, conductivity, oxidation-reduction potential, dissolved oxygen, and temperature) during well purging prior to sampling. Turbidity was measured using a Hach 2100Q portable turbidimeter. Groundwater samples were collected when the following stabilization criteria were met:

- ± 0.1 standard units for pH
- ± 5% for specific conductance
- ± 10% for DO where DO > 0.5 mg/L. No criterion applies if DO < 0.5 mg/L.
- Turbidity measurements less than 10 nephelometric turbidity units (NTU)

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

3.3 Surface Water and Effluent Sampling

Surface water samples were collected from SWA-1, SWA-6, SWC-2, SWC-3, SWC-5, and SWC-7 during this event. Locations SWC-4, SWC-8, and SWC-9 were dry and therefore not sampled. Results are presented in Table 6A, Surface Water Analytical Results and Field Parameters – June 2019.

Effluent sample from flue gas desulfurization (FGD) equipment units 1 was collected during this event. Effluent Unit 2 was dry and therefore not sampled. Results for the effluent sample is presented on Table 6B, Effluent Analytical Results – June 2019.

3.4 Laboratory Analyses

Groundwater samples collected in June 2019 for detection monitoring event were analyzed for Appendix III monitoring parameters and additional parameters required by the existing permit. Analytical methods used for groundwater monitoring parameters are provided in laboratory reports in Appendix A.

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

3.5 Quality Assurance and Quality Control

During each sampling event, quality assurance/quality control (QA/QC) samples are collected at a rate of one sample per every 10 detection samples. Equipment blanks (where non-dedicated sampling equipment is used) and duplicate samples were collected during each sampling events. QA/QC sample data was evaluated during data validation and is included in Appendix A.

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

Values followed by a "J" flag indicate that the value is an estimated analyte concentration detected between the method detection limit (MDL) and the laboratory reporting limit (PQL). 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.

4.0 STATISTICAL ANALYSIS

Statistical analysis of groundwater monitoring data was performed following the appropriate certified statistical methodology for the site.

4.1 Statistical Methods

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). To develop the statistical methods, analytical data collected during the background period were evaluated and used to develop statistical limits for each Appendix III parameter and metals required by the existing EPD permit. 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.

4.1.1 Appendix III Constituents

Statistical tests used to evaluate the groundwater monitoring data consist of interwell prediction limits combined with a 1-of-2 verification resample plan for Appendix III parameters boron, calcium, chloride, and fluoride. Monitoring results for pH, sulfate, and total dissolved solids (TDS) were evaluated using intrawell prediction limits combined with a 1-of-3 verification resample plan. Interwell prediction limits pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is compared to the same limit for each parameter. Intrawell prediction limits are constructed from historical data within a given well, and the most recent sample is compared to background. If the most recent sample exceeds its respective background statistical limit, an initial statistically significant increase (SSI) is identified.

A summary of the statistical methodology used at the Site for routine groundwater monitoring is provided in Table 6, Statistical Method Summary.

4.1.2 EPD Permit-Required Metals

Statistical tests used to evaluate the groundwater monitoring data consist of intrawell prediction limits combined with a 1-of-3 verification resample plan for all required metals, except for cobalt and nickel at GWC-14. The occurrence of cobalt and nickel at GWC-14 was previously addressed in an ASD; results for these metals are evaluated by trend tests. Intrawell prediction limits are constructed from historical data within a given well, and the most recent sample is compared to background. If the most recent sample exceeds its respective background statistical limit, an initial statistically significant increase (SSI) is identified. Table 6 includes a summary of the metals included in the EPD permit and the statistical method.

4.2 Statistical Analysis Results for Appendix III Parameters

Analytical data from the June 2019 monitoring event at Plant Wansley CCR Landfill was statistically analyzed in accordance with the statistical methods. The statistical analysis and comparison to prediction limits are included as Appendix B, Statistical Analyses.

Based on the statistical results presented in Appendix B, the following summarizes parameters exhibiting SSIs as follows:

- Boron: GWC-14
- Chloride: GWC-14
- pH: GWC-18
- Sulfate: GWA-28 (upgradient), GWA-29 (upgradient) GWC-5, GWC-12, GWC-17, and GWC-30

The SSIs for boron and chloride are consistent with the 2017 monitoring results and have been previously addressed by an ASD completed in April 2018. The exceedances identified for pH and sulfate are not considered verified. In the case of pH, the measured level was 0.01 standard units below the statistical limit. Based on a review of instrument specifications, pH data are only significant to the tenths and this result cannot be accurately considered below the limit. These results will be re-evaluated following verification resampling that will occur later in 2019.

4.3 Statistical Analyses Results for Parameters Required by Existing Permit

Analytes required by the existing state permit were analyzed during this event. Wells and analytes with all data below the reporting limit do not require statistical analysis. A summary of wells exhibiting 100% non-detects is included in Appendix B.

The concentrations of several analytes exceeded relevant intrawell prediction intervals, including: barium in the GWC-21 sample, beryllium in the GWC-32 sample, chromium in the GWC-5, GWC-6, GWC-9, GWC-16, GWC-17, GWC-22, GWC-24, and GWC-26 samples, nickel in the GWC-8 and GWC-26 samples, vanadium in the GWC-17, GWC-18, GWC-19, and GWC-22 samples, and zinc in the GWC-14 sample. Of these, increasing trends were identified for barium in GWC-21, beryllium in GWC-32, and cobalt, nickel, and zinc in GWC-14. Previous exceedances for chromium in samples from GWC-16 and vanadium in samples from GWC-22 were addressed in an EPD-approved ASD. This is the initial statistical analysis completed by intra-well statistical methods. The remaining exceedances will further be evaluated following sampling scheduled for the second half of 2019. These exceedances are unverified unless substantiated by future samples in accordance with the statistical analysis plan.

5.0 MONITORING PROGRAM STATUS

The Site groundwater monitoring network remains in detection monitoring.

6.0 CONCLUSIONS AND FUTURE ACTIONS

Statistical evaluations of the groundwater monitoring data for the Site identified unverified SSIs of Appendix III groundwater monitoring parameters and metals required by the existing EPD permit. These unverified SSIs will be re-evaluated following resampling.

The next semiannual monitoring event is planned for September 2019.

7.0 REFERENCES

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

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

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

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

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

TABLES

Atlantic Coast Consulting, Inc.

Table 1
Monitoring Network Well Summary

Well	Installation Date (mm/dd/yyyy)	Bottom Depth (ft BTOC)	Bottom Elevation (ft MSL)	Depth to Top of Screen (ft BTOC)	Top of Screen Elevation (ft MSL)	Purpose
GWA-1	03/03/2011	49.85	728.15	39.85	738.15	Upgradient
GWA-2	03/03/2011	60.07	755.93	50.07	765.93	Upgradient
GWA-3	03/03/2011	31.16	758.82	21.16	768.82	Upgradient
GWA-4	02/11/2011	40.61	738.78	30.61	748.78	Upgradient
GWC-5	02/10/2011	40.68	714.92	30.68	724.92	Downgradient
GWC-6	02/10/2011	31.08	718.70	21.08	728.70	Downgradient
GWC-7	02/10/2011	25.90	705.07	15.90	715.07	Downgradient
GWC-8	02/22/2011	20.03	703.27	10.03	713.27	Downgradient
GWC-9	02/23/2011	19.41	693.15	9.41	703.15	Downgradient
GWC-10	07/12/2011	22.00	687.47	12.00	697.47	Downgradient
GWC-11	02/23/2011	18.23	682.73	8.23	692.73	Downgradient
GWC-12	02/24/2011	40.63	683.59	30.63	693.59	Downgradient
GWC-13	02/28/2011	90.42	603.33	80.42	613.33	Downgradient
GWC-14	06/28/2011	24.55	668.26	14.55	678.26	Downgradient
GWC-15	02/28/2011	51.06	636.51	41.06	646.51	Downgradient
GWC-16	06/28/2011	26.97	663.15	16.97	673.15	Downgradient
GWC-17	06/28/2011	53.34	651.00	43.34	661.00	Downgradient
GWC-18	03/01/2011	30.51	669.69	20.51	679.69	Downgradient
GWC-19	07/13/2011	38.56	662.30	28.56	672.30	Downgradient
GWC-20	03/01/2011	71.08	634.55	61.08	644.55	Downgradient
GWC-21	07/12/2011	38.30	682.77	28.30	692.77	Downgradient
GWC-22	03/02/2011	77.15	666.99	67.15	676.99	Downgradient
GWC-23	03/02/2011	68.05	705.42	58.05	715.42	Downgradient
GWC-24	02/15/2011	51.05	738.93	41.05	748.93	Downgradient
GWC-25	02/15/2011	61.23	750.88	51.23	760.88	Downgradient
GWC-26	02/16/2011	59.43	725.99	49.43	735.99	Downgradient
GWC-27	02/16/2011	70.83	743.24	60.83	753.24	Downgradient
GWA-28	02/22/2011	45.78	803.25	35.78	813.25	Upgradient
GWA-29	06/27/2011	57.13	777.57	47.13	787.57	Upgradient
GWC-30	02/17/2011	49.58	741.45	39.58	751.45	Downgradient
GWC-31	06/21/2011	38.02	759.52	28.02	769.52	Downgradient
GWC-32	02/18/2011	31.05	754.17	21.05	764.17	Downgradient
GWC-33	02/18/2011	23.99	736.04	13.99	746.04	Downgradient
GWC-34	02/21/11	51.25	683.84	41.25	693.84	Downgradient
GWC-35	02/08/2011	40.78	690.11	30.78	700.11	Downgradient

Notes:
1. ft BTOC indicates feet below top of casing.
2. ft MSL indicates feet mean sea level.

Atlantic Coast Consulting, Inc.

Table 2
Summary of Groundwater Elevations
June 24, 2019

Well ID	TOC Elevation (ft MSL)	Depth-to-Water (ft BTOC)	Groundwater Elevation (ft MSL)
GWA-1	778.00	18.45	759.55
GWA-2	816.00	40.53	775.47
GWA-3	789.98	21.92	768.06
GWA-4	779.39	24.26	755.13
GWC-5	755.60	16.92	738.68
GWC-6	749.78	18.00	731.78
GWC-7	730.97	7.74	723.23
GWC-8	723.30	9.17	714.13
GWC-9	712.56	7.52	705.04
GWC-10	709.47	11.37	698.10
GWC-11	700.96	6.14	694.82
GWC-12	724.22	26.96	697.26
GWC-13	693.75	5.92	687.83
GWC-14	692.81	9.53	683.28
GWC-15	687.57	6.48	681.09
GWC-16	690.12	10.07	680.05
GWC-17	704.34	20.86	683.48
GWC-18	700.20	14.05	686.15
GWC-19	700.86	8.48	692.38
GWC-20	705.63	5.15	700.48
GWC-21	721.07	13.46	707.61
GWC-22	744.14	22.15	721.99
GWC-23	773.47	33.25	740.22
GWC-24	789.98	37.74	752.24
GWC-25	812.11	48.15	763.96
GWC-26	785.42	25.37	760.05
GWC-27	814.07	39.77	774.30
GWA-28	849.03	24.99	824.04
GWA-29	834.70	44.05	790.65
GWC-30	791.03	26.07	764.96
GWC-31	797.54	30.28	767.26
GWC-32	785.22	24.98	760.24
GWC-33	760.03	13.58	746.45
GWC-34	735.09	4.65	730.44
GWC-35	730.89	8.37	730.89

Notes:
1. ft BTOC indicates feet below top of casing.
2. ft MSL indicates feet mean sea level.
3. Depths to water measured June 24, 2019.

Table 3
Groundwater Flow Velocity Calculations
June 2019

Equation

$$v = \frac{K\,(i)}{P_e}$$

where: v = ground water velocity
K = hydraulic conductivity
i = hydraulic gradient
P_e = effective porosity

Values Used in Calculation

	Value		Source
K =	4.1E-04 1.16	cm/sec ft/day	See note 1.
i_1 =	0.044	unitless	from GWA-4 to GWC-5
i_2 =	0.046	unitless	from GWA-1 to GWC-19
i_3 =	0.037	unitless	from GWA-2 to GWC-16
i =	0.042	unitless	Average (i_1, i_2, i_3)
P_e =	0.10	unitless	See note 1.

Calculation

$$v = \frac{(1.16)\,(0.042)}{0.10} \qquad v = 0.49 \text{ ft/day}$$

Notes

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

Table 4
Summary of Groundwater Analytical Data
June 2019

Substance		MCL/ (SMCL)	GWA-1	GWA-2	GWA-3	GWA-4	GWA-28	GWA-29	GWC-5	GWC-6
			6/24/2019	6/24/2019	6/25/2019	6/24/2019	6/25/2019	6/25/2019	6/26/2019	6/26/2019
Appendix III	Boron	N/R	ND (0.034 J)	ND	ND	ND	ND	ND	ND (0.045 J)	ND (0.044 J)
	Calcium	N/R	0.76	5.0	10	27	3.0	4.8	39	12
	Chloride	(250)	1.7	6.1	ND	11	1.3	24	10	6.0
	Fluoride	4	ND (0.031 J)	ND (0.032 J)	ND (0.030 J)	ND (0.080 J)	1.9	ND (0.034 J)	ND (0.081 J)	ND (0.059 J)
	Sulfate	(250)	ND	ND (0.91 J)	ND	10	2.2	26	31	9.3
	TDS	(500)	21	72	130	170	88	97	120	41
Required by GWMP	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND (0.00054 J)	ND (0.00043 J)	ND	ND (0.00032 J)	ND	ND	ND	ND
	Barium	2	ND (0.0096 J)	0.011	0.082	0.12	ND	ND	0.020	0.045
	Beryllium	0.004	ND (0.00029 J)	ND (0.00023 J)	ND	ND	ND (0.00039 J)	0.0023	ND	ND
	Cadmium	0.005	ND	ND	ND (0.00014 J)	ND	ND	ND	ND	ND
	Chromium	0.1	0.0042	0.0022	0.0027	0.0022	0.0024	0.0030	0.0029	0.0027
	Cobalt	N/R	ND (0.00019 J)	ND (0.00019 J)	ND (0.00042 J)	0.0060	ND	ND (0.00012 J)	0.0054	0.012
	Copper	1.3	ND	ND (0.0011 J)	0.0040	ND	ND	0.0085	ND	ND
	Lead	0.015	ND	ND	ND	ND	ND	ND (0.00029 J)	ND	ND
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.1	ND (0.00095 J)	0.0013	0.0021	0.0022	ND (0.00088 J)	0.0028	0.0051	0.0052
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	N/A	ND	ND	ND	ND	ND	0.0017	ND	ND
	Thallium	0.002	ND (0.00020 J)	ND	ND	ND	ND	ND	ND	ND
	Vanadium	N/A	0.0028	0.0018	0.0028	0.0020	0.0025	0.0023	0.0033	0.0016
	Zinc	(5)	ND (0.0048 J)	ND (0.0046 J)	0.014	ND (0.0036 J)	0.011	0.041	ND	ND (0.0033 J)

Notes:

1. MCL indicates Environmental Protection Agency (EPA) and Georgia Environmental Protection Division (EPD) maximum contaminant level.
2. (SMCL) indicates a secondary MCL that is established by EPA as a general guidline only (not enforced).
3. Results for substances are reported in milligrams per liter (mg/L). Radium results are reported in picocuries per liter (pCi/L).
4. ND (Not Detected) indicates the substance was not detected above the laboratory method detection limit (MDL).
5. ND (value J) indicates the substance 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.
6. N/R indicates a substance does not have an MCL or SMCL, but will be further evaluated statistically, as required by EPA's CCR rule.
7. TDS indicates total dissolved solids.
8. U indicates the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualified by the laboratory as estimated.
9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.
10. N/A indicates substance does not have an MCL or SMCL and is not included in Appendix IV.

Table 4
Summary of Groundwater Analytical Data
June 2019

Substance		MCL/ (SMCL)	GWC-7	GWC-8	GWC-9	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14
			6/25/2019	6/25/2019	6/25/2019	6/26/2019	6/26/2019	6/26/2019	6/25/2019	6/25/2019
Appendix III	Boron	N/R	ND	ND	ND (0.068 J)	ND (0.053 J)	ND	ND (0.057 J)	ND	0.71
	Calcium	N/R	50	29	14	16	11	43	4.3	26
	Chloride	(250)	16	3.9	7.7	4.2	3.2	21	1.3	82
	Fluoride	4	0.21	ND (0.055 J)	ND (0.066 J)	0.68	ND (0.096 J)	ND (0.16 J)	ND (0.084 J)	ND (0.054 J)
	Sulfate	(250)	59	14	11	13	ND (0.47 J)	25	3.0	13
	TDS	(500)	400	200	160	46	87	140	56	280
Required by GWMP	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND (0.00035 J)	ND (0.00045 J)	ND (0.00086 J)	ND	0.0015	ND	ND	ND (0.00048 J)
	Barium	2	0.075	0.060	0.18	0.020	0.26	0.020	ND (0.0069 J)	0.16
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND (0.00041 J)
	Cadmium	0.005	ND	ND	ND	ND	ND	ND	ND	ND (0.00021 J)
	Chromium	0.1	0.0021	0.0024	0.0048	0.0021	0.0041	0.0021	0.0022	0.0023
	Cobalt	N/R	0.0039	0.035	0.043	0.0051	0.0037	ND (0.00039 J)	ND	0.23
	Copper	1.3	ND	ND (0.00074 J)	ND	ND (0.00064 J)	ND	ND	ND	ND (0.00080 J)
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND	ND
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.1	0.010	0.0053	0.010	0.0014	ND	ND	ND (0.00068 J)	0.016
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	N/A	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND (0.00046 J)
	Vanadium	N/A	0.0035	0.0026	0.0020	0.0014	0.0035	0.0013	0.0021	0.0014
	Zinc	(5)	ND	ND (0.0043 J)	0.0050	ND (0.0044 J)	ND	ND	ND	0.014

Notes:

1. MCL indicates Environmental Protection Agency (EPA) and Georgia Environmental Protection Division (EPD) maximum contaminant level.
2. (SMCL) indicates a secondary MCL that is established by EPA as a general guidline only (not enforced).
3. Results for substances are reported in milligrams per liter (mg/L). Radium results are reported in picocuries per liter (pCi/L).
4. ND (Not Detected) indicates the substance was not detected above the laboratory method detection limit (MDL).
5. ND (value J) indicates the substance 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.
6. N/R indicates a substance does not have an MCL or SMCL, but will be further evaluated statistically, as required by EPA's CCR rule.
7. TDS indicates total dissolved solids.
8. U indicates the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualified by the laboratory as estimated.
9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.
10. N/A indicates substance does not have an MCL or SMCL and is not included in Appendix IV.

Table 4
Summary of Groundwater Analytical Data
June 2019

Substance		MCL/ (SMCL)	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22
			6/25/2019	6/25/2019	6/25/2019	6/27/2019	6/26/2019	6/25/2019	6/25/2019	6/25/2019
Appendix III	Boron	N/R	ND (0.066 J)	ND	ND	ND	ND (0.036 J)	ND	ND	ND
	Calcium	N/R	9.8	7.0	8.4	7.0	7.3	9.0	5.0	12
	Chloride	(250)	5.8	1.5	1.2	1.6	1.5	1.9	3.5	1.7
	Fluoride	4	ND (0.068 J)	ND (0.052 J)	ND (0.051 J)	ND (0.046 J)	ND (0.046 J)	ND (0.049 J)	ND (0.032 J)	ND (0.052 J)
	Sulfate	(250)	2.0	ND (0.84 J)	1.1	ND (0.85 J)	ND (0.88 J)	ND (0.99 J)	ND	ND (0.76 J)
	TDS	(500)	99	91	110	77	ND	100	63	110
Required by GWMP	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND (0.00038 J)	ND	ND	ND	ND (0.00037 J)	ND
	Barium	2	ND (0.0096 J)	0.018	0.017	0.035	0.077	0.034	0.046	0.026
	Beryllium	0.004	ND	ND	ND	ND	ND	ND	ND	ND (0.00017 J)
	Cadmium	0.005	ND	ND	ND	ND	ND	ND	ND	ND (0.00057 J)
	Chromium	0.1	0.0022	0.0045	0.0042	0.0022	0.0023	0.0023	0.0021	0.0030
	Cobalt	N/R	ND (0.00012 J)	ND	ND	ND	ND (0.00042 J)	ND (0.00012 J)	0.0028	ND
	Copper	1.3	ND	ND	ND	ND	ND	ND	ND	ND
	Lead	0.015	ND	ND	ND	ND	ND	ND	ND	ND
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.1	ND (0.00031 J)	ND (0.00067 J)	ND (0.00092 J)	ND	ND (0.00051 J)	ND (0.00048 J)	ND (0.00085 J)	ND (0.00031 J)
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	N/A	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Vanadium	N/A	0.0019	0.0056	0.0050	0.0031	0.0023	0.0038	0.0021	0.0092
	Zinc	(5)	ND	ND	ND	ND	ND (0.0038 J)	ND	ND (0.0039 J)	ND

Notes:

1. MCL indicates Environmental Protection Agency (EPA) and Georgia Environmental Protection Division (EPD) maximum contaminant level.
2. (SMCL) indicates a secondary MCL that is established by EPA as a general guidline only (not enforced).
3. Results for substances are reported in milligrams per liter (mg/L). Radium results are reported in picocuries per liter (pCi/L).
4. ND (Not Detected) indicates the substance was not detected above the laboratory method detection limit (MDL).
5. ND (value J) indicates the substance 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.
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9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.
10. N/A indicates substance does not have an MCL or SMCL and is not included in Appendix IV.

Table 4
Summary of Groundwater Analytical Data
June 2019

Substance		MCL/ (SMCL)	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
			6/26/2019	6/26/2019	6/25/2019	6/25/2019	6/26/2019	6/27/2019	6/26/2019	6/27/2019
Appendix III	Boron	N/R	ND	ND	ND	ND	ND	ND	ND	ND
	Calcium	N/R	3.6	ND (0.34 J)	3.5	1.8	3.7	3.6	11	7.6
	Chloride	(250)	2.0	4.4	9.0	3.0	1.1	1.4	1.5	1.1
	Fluoride	4	ND (0.042 J)	ND (0.040 J)	ND (0.033 J)	ND (0.047 J)	0.85	ND (0.073 J)	1.3	2.0
	Sulfate	(250)	ND (0.64 J)	ND (0.71 J)	1.6	ND (0.78 J)	3.2	1.7	9.9	9.9
	TDS	(500)	44	ND	58	49	ND	30	110	47
Required by GWMP	Antimony	0.006	ND	ND	ND	ND	ND	ND	ND	ND
	Arsenic	0.01	ND	ND	ND	ND	ND	ND	ND	ND
	Barium	2	ND (0.0041 J)	ND (0.0093 J)	0.032	0.038	0.017	ND (0.0071 J)	ND	ND
	Beryllium	0.004	ND	ND (0.00017 J)	ND	ND	0.0056	ND	ND (0.00084 J)	0.0017
	Cadmium	0.005	ND	ND	ND	ND	ND	ND	ND	ND
	Chromium	0.1	0.0023	0.0027	0.0030	0.0030	0.0022	0.0025	0.0037	0.0022
	Cobalt	N/R	ND	0.0010	0.0010	ND (0.00017 J)	0.0023	ND	ND	ND (0.00017 J)
	Copper	1.3	ND	ND (0.00094 J)	0.0029	0.0020	ND	ND	ND (0.0019 J)	ND
	Lead	0.015	ND	ND (0.00016 J)	ND	ND	ND	ND	ND (0.00022 J)	ND
	Mercury	0.002	ND	ND	ND	ND	ND	ND	ND	ND
	Nickel	0.1	ND	0.0016	0.0021	0.0031	ND	ND	ND (0.00034 J)	ND (0.00059 J)
	Selenium	0.05	ND	ND	ND	ND	ND	ND	ND	ND
	Silver	N/A	ND	ND	ND	ND	ND	ND	ND	ND
	Thallium	0.002	ND	ND	ND	ND	ND (0.00019 J)	ND	ND	ND
	Vanadium	N/A	0.0019	0.0014	0.0019	0.0024	0.0011	0.0029	0.0015	0.0021
	Zinc	(5)	ND	0.0062	0.010	ND (0.0045 J)	ND	ND	0.011	0.082

Notes:

1. MCL indicates Environmental Protection Agency (EPA) and Georgia Environmental Protection Division (EPD) maximum contaminant level.
2. (SMCL) indicates a secondary MCL that is established by EPA as a general guidline only (not enforced).
3. Results for substances are reported in milligrams per liter (mg/L). Radium results are reported in picocuries per liter (pCi/L).
4. ND (Not Detected) indicates the substance was not detected above the laboratory method detection limit (MDL).
5. ND (value J) indicates the substance 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.
6. N/R indicates a substance does not have an MCL or SMCL, but will be further evaluated statistically, as required by EPA's CCR rule.
7. TDS indicates total dissolved solids.
8. U indicates the substance was detected below the Minimum Detection Concentration (MDC) and the precision of the laboratory instruments could not produce a reliable value. Therefore, the value followed by U is qualified by the laboratory as estimated.
9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.
10. N/A indicates substance does not have an MCL or SMCL and is not included in Appendix IV.

Table 4
Summary of Groundwater Analytical Data
June 2019

Substance		MCL/ (SMCL)	GWC-33 6/26/2019	GWC-34 6/26/2019	GWC-35 6/26/2019					
Appendix III	Boron	N/R	ND	ND	ND					
	Calcium	N/R	19	2.8	2.0					
	Chloride	(250)	2.2	1.2	3.4					
	Fluoride	4	2.4	ND (0.11 J)	ND (0.045 J)					
	Sulfate	(250)	10	1.9	2.8					
	TDS	(500)	100	61	46					
Required by GWMP	Antimony	0.006	ND	ND	ND					
	Arsenic	0.01	ND	ND	ND					
	Barium	2	ND (0.0057 J)	0.011	0.021					
	Beryllium	0.004	ND (0.00027 J)	ND (0.00032 J)	ND (0.00022 J)					
	Cadmium	0.005	ND	ND	ND					
	Chromium	0.1	0.0022	0.0022	0.0022					
	Cobalt	N/R	0.0025	ND	ND (0.00028 J)					
	Copper	1.3	ND	ND	ND					
	Lead	0.015	ND	ND	ND					
	Mercury	0.002	ND	ND	ND					
	Nickel	0.1	ND (0.00068 J)	ND (0.00047 J)	0.0013					
	Selenium	0.05	ND	ND	ND					
	Silver	N/A	ND	ND	ND					
	Thallium	0.002	ND (0.00020 J)	ND (0.00014 J)	ND (0.00019 J)					
	Vanadium	N/A	0.0017	0.0020	0.0015					
	Zinc	(5)	0.0056	ND	ND					

Notes:
1. MCL indicates Environmental Protection Agency (EPA) and Georgia Environmental Protection Division (EPD) maximum contaminant level.
2. (SMCL) indicates a secondary MCL that is established by EPA as a general guidline only (not enforced).
3. Results for substances are reported in milligrams per liter (mg/L). Radium results are reported in picocuries per liter (pCi/L).
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9. Appendix III = indicator parameters evaluated during Detection Monitoring; Appendix IV = parameters evaluated during Assessment Monitoring.
10. N/A indicates substance does not have an MCL or SMCL and is not included in Appendix IV.

Table 5A
Surface Water Analytical Results and Field Parameters
June 2019

Substance	SWA-1	SWA-6	SWC-2	SWC-3	SWC-5	SWC-7
	6/27/2019	6/27/2019	6/27/2019	6/27/2019	6/27/2019	6/27/2019
Antimony	ND	ND	ND	ND	ND	ND
Arsenic	ND	ND (0.00047 J)	0.0012	0.0025	ND	ND (0.00041 J)
Barium	0.013	0.019	0.050	0.076	0.080	0.020
Beryllium	ND	ND	ND	ND (0.00041 J)	ND	ND
Cadmium	ND	ND	ND	ND	ND	ND
Chromium	0.0023	0.0023	0.0029	0.0063	0.0022	0.0022
Cobalt	ND (0.00012 J)	ND (0.00022 J)	0.0043	0.098	0.011	0.00032 J
Copper	ND	ND	ND	0.0053	0.0052	ND
Lead	ND (0.00021 J)	0.0011	ND (0.00018 J)	0.0045	ND (0.00023 J)	ND (0.00016 J)
Mercury	ND	ND	ND	ND	ND	ND
Nickel	ND	ND (0.00033 J)	ND (0.00037 J)	0.0058	0.0056	ND (0.00041 J)
Selenium	ND	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND
Thallium	ND	ND	ND	ND	ND	ND
Vanadium	0.0018	0.0014	0.0017	0.016	0.0011	0.0015
Zinc	0.0057	ND (0.0033 J)	ND (0.0034 J)	0.016	0.010	ND

Notes:
1. Results for substances are reported in milligrams per liter (mg/L).
2. ND (Not Detected) indicates the substance was not detected above the laboratory method detection limit (MDL).
3. ND (value J) indicates the substance 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.

Table 5B
Effluent Analytical Results
June 2019

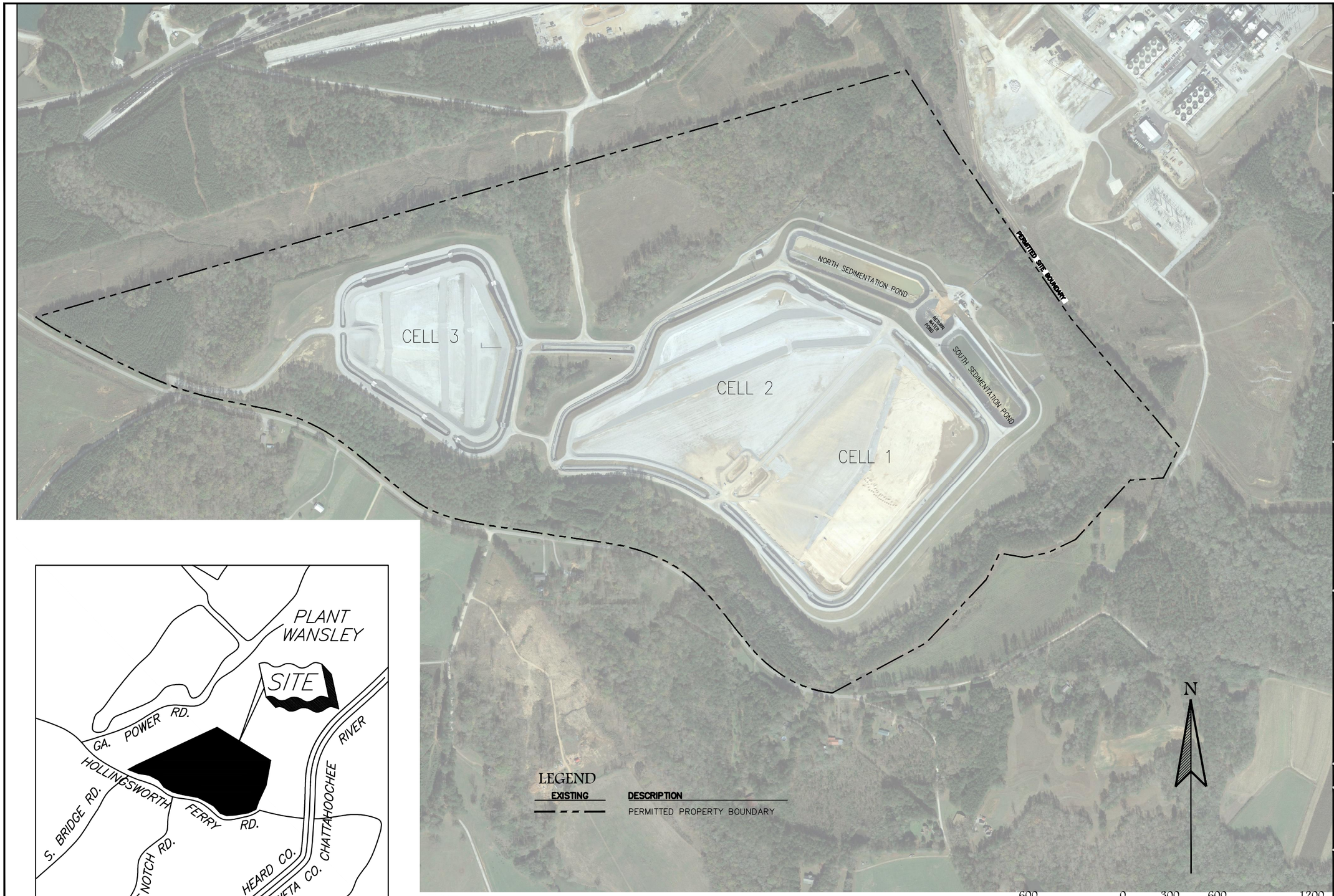
Substance	Effluent Unit 1
	6/27/2019
Antimony	0.0029
Arsenic	0.046
Barium	0.21
Beryllium	0.0010
Cadmium	0.0014
Chromium	0.032
Cobalt	0.0048
Copper	0.018
Lead	0.022
Mercury	0.015
Nickel	0.035
Selenium	0.29
Silver	ND
Thallium	0.0015
Vanadium	0.019
Zinc	0.041

Notes:
1. Results for substances are reported in milligrams per liter (mg/L).
2. ND (Not Detected) indicates the substance was not detected above the laboratory method detection limit (MDL).
3. ND (value J) indicates the substance 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.

Table 6
Statistical Method Summary
June 2019

Plant Wansley CCR Landfill Statistical Method Summary		
Monitoring Well Network	Upgradient Wells	GWA-1, GWC-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
EPD Permit Metals	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

FIGURES



LOCATION MAP

ATLANTIC COAST CONSULTING, INC.
630 Colonial Park Dr.
Suite 110
Roswell, GA 30075
o 770.594.5998
www.atlcc.net

PROJECT:

PLANT WANSLEY
CCR LANDFILL

1371 LIBERTY CHURCH ROAD
CARROLLTON, GEORGIA

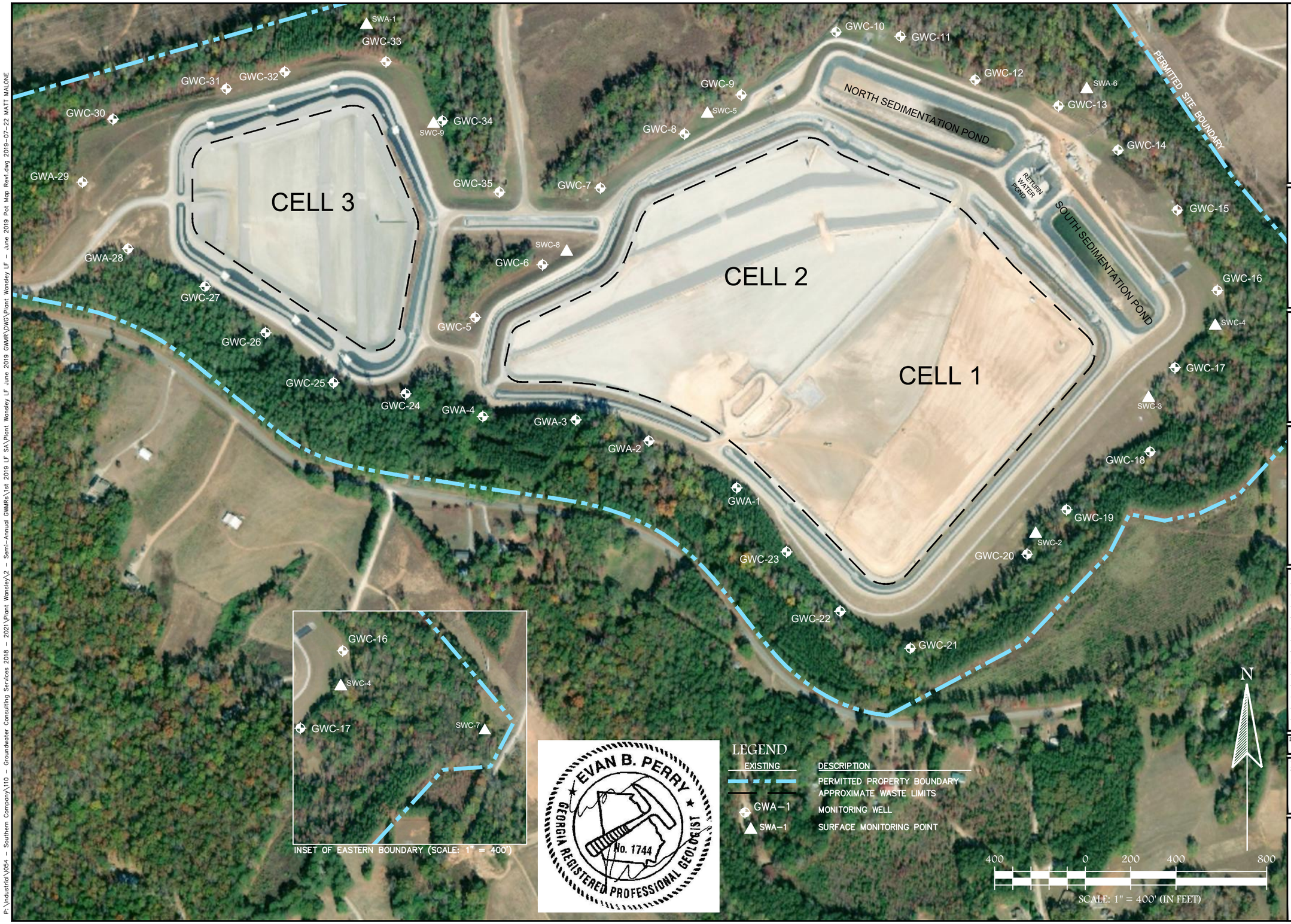
REVISIONS

Drawn by: MM
Checked by: EP

PROJECT NUMBER:
I054-110
August 2019

PLANT WANSLEY
CCR LANDFILL
MAP

FIGURE 1



ATLANTIC COAST CONSULTING, INC.
1150 Northmeadow Pkwy.
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PROJECT:

PLANT WANSLEY
CCR LANDFILL

1371 LIBERTY CHURCH ROAD
CARROLLTON, GEORGIA

REVISIONS

Drawn by:	Checked by:
MM	EP

PROJECT NUMBER:

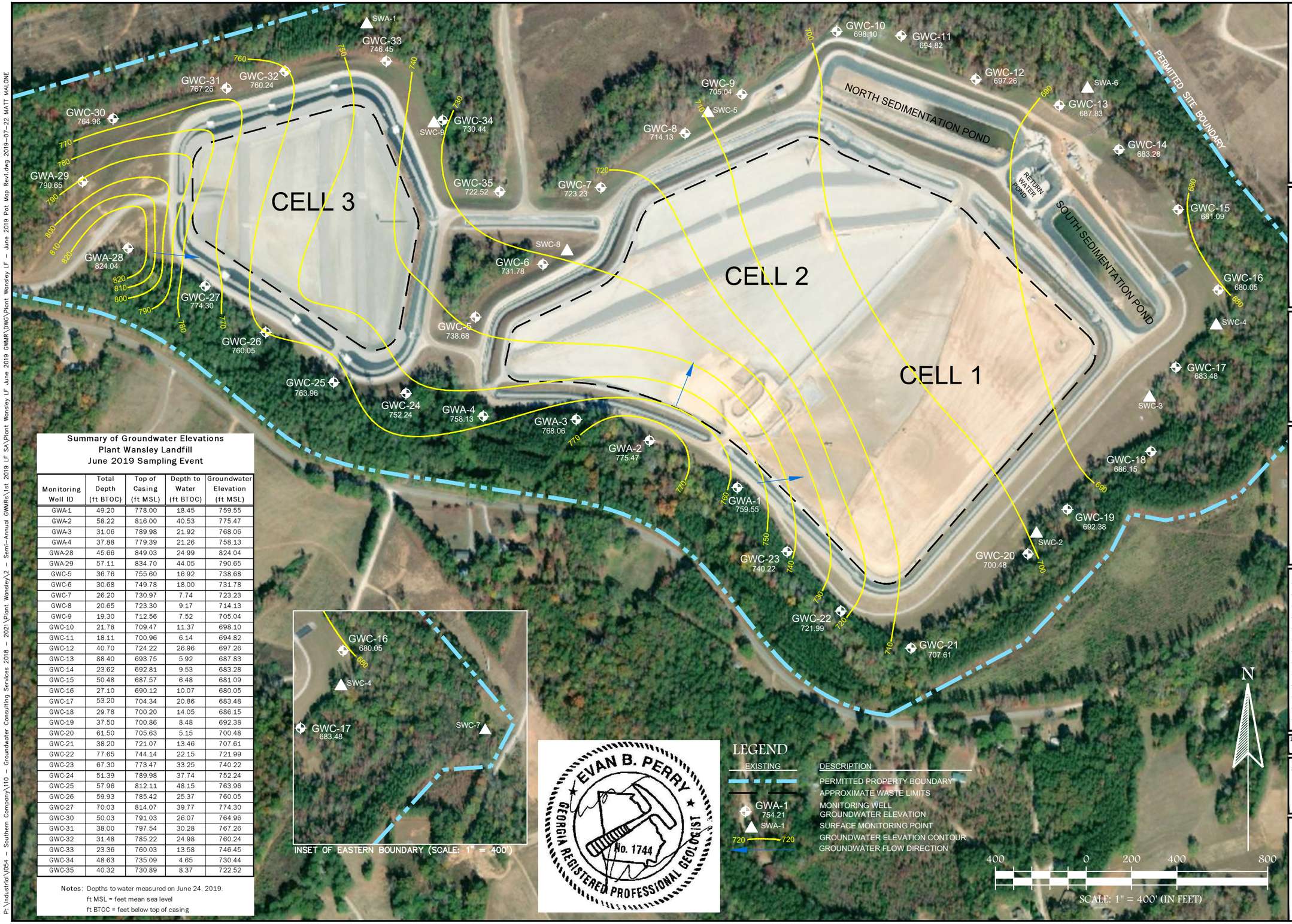
I054-110

August 2019

WELL LOCATION MAP

FIGURE 2

P:\Industrial\I054 - Southern Company\110 - Groundwater Consulting Services 2018 - 2021\Plant Wansley\2 - Semi-Annual GWMRs\1st 2019 LF SA\Plant Wansley LF June 2019 GWMR\DWG\Plant Wansley LF - June 2019 Pot Map Rev1.dwg 2019-07-22 MATT MALONE



Summary of Groundwater Elevations
Plant Wansley Landfill
June 2019 Sampling Event

Monitoring Well ID	Total Depth (ft BTOC)	Top of Casing (ft MSL)	Depth to Water (ft BTOC)	Groundwater Elevation (ft MSL)
GWA-1	49.20	778.00	18.45	759.55
GWA-2	58.22	816.00	40.53	775.47
GWA-3	31.06	789.98	21.92	768.06
GWA-4	37.88	779.39	21.26	758.13
GWA-28	45.66	849.03	24.99	824.04
GWA-29	57.11	834.70	44.05	790.65
GWC-5	36.76	755.60	16.92	738.68
GWC-6	30.68	749.78	18.00	731.78
GWC-7	26.20	730.97	7.74	723.23
GWC-8	20.65	723.30	9.17	714.13
GWC-9	19.30	712.56	7.52	705.04
GWC-10	21.78	709.47	11.37	698.10
GWC-11	18.11	700.96	6.14	694.82
GWC-12	40.70	724.22	26.96	697.26
GWC-13	88.40	693.75	5.92	687.83
GWC-14	23.62	692.81	9.53	683.28
GWC-15	50.48	687.57	6.48	681.09
GWC-16	27.10	690.12	10.07	680.05
GWC-17	53.20	704.34	20.86	683.48
GWC-18	29.78	700.20	14.05	686.15
GWC-19	37.50	700.86	8.48	692.38
GWC-20	61.50	705.63	5.15	700.48
GWC-21	38.20	721.07	13.46	707.61
GWC-22	77.65	744.14	22.15	721.99
GWC-23	67.30	773.47	33.25	740.22
GWC-24	51.39	789.98	37.74	752.24
GWC-25	57.96	812.11	48.15	763.96
GWC-26	59.93	785.42	25.37	760.05
GWC-27	70.03	814.07	39.77	774.30
GWC-30	50.03	791.03	26.07	764.96
GWC-31	38.00	797.54	30.28	767.26
GWC-32	31.48	785.22	24.98	760.24
GWC-33	23.36	760.03	13.58	746.45
GWC-34	48.63	735.09	4.65	730.44
GWC-35	40.32	730.89	8.37	722.52

Notes: Depths to water measured on June 24, 2019.
ft MSL = feet mean sea level
ft BTOC = feet below top of casing

INSET OF EASTERN BOUNDARY (SCALE: 1" = 400')

EVAN B. PERRY
GEORGIA REGISTERED PROFESSIONAL GEOLOGIST
No. 1744

LEGEND

EXISTING	DESCRIPTION
	PERMITTED PROPERTY BOUNDARY
	APPROXIMATE WASTE LIMITS
GWA-1 754.21	MONITORING WELL GROUNDWATER ELEVATION
SWA-1	SURFACE MONITORING POINT
720 720	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

N

400 0 200 400 800
SCALE: 1" = 400' (IN FEET)

ATLANTIC COAST CONSULTING, INC.
1150 Northmeadow Pkwy.
Suite 100
Roswell, GA 30076
770.594.5998
www.atlcc.net

PROJECT:
PLANT WANSLEY CCR LANDFILL

1371 LIBERTY CHURCH ROAD
CARROLLTON, GEORGIA

REVISIONS

Drawn by: MM
Checked by: EP

PROJECT NUMBER:
I054-110
August 2019

JUNE 2019 POTENTIOMETRIC SURFACE MAP

FIGURE 3

P:\Industrial\I054 - Southern Company\110 - Groundwater Consulting Services 2018 - 2021\Plant Wansley\2 - Semi-Annual GWMRs\1st 2019 LF SA\Plant Wansley LF June 2019 GWMR\DWG\Plant Wansley LF - June 2019 Pot Map Rev1.dwg 2019-07-22 MATT MALONE

APPENDICES

APPENDIX A

LABORATORY ANALYTICAL AND FIELD SAMPLING REPORTS

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 180-91948-1
Laboratory Sample Delivery Group: App III
Client Project/Site: CCR - Plant Wansley Landfill

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

Attn: Joju Abraham

Authorized for release by:
7/11/2019 1:35:51 PM

Veronica Bortot, Senior Project Manager
(412)963-2435
veronica.bortot@testamericainc.com

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.

PA Lab ID: 02-00416

Table of Contents

Job ID: 180-91948-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-91948-1

Comments
No additional comments.

Receipt
The samples were received on 6/27/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.3º C and 1.7º C.

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

Metals
Method(s) 6020: The continuing calibration verification (CCV) associated with batch 180-284336 recovered above the upper control limit for boron.The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 6020, 6020A: The continuing calibration verification (CCV) associated with batch 180-284336 recovered above the upper control limit for boron. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

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

Definitions/Glossary

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-1
SDG: App III

Qualifiers

HPLC/IC

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

Metals

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

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-1
SDG: App III

Laboratory: Eurofins TestAmerica, Pittsburgh

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
Arkansas DEQ	State Program	6	88-0690	06-27-20
California	State		2891	04-30-20
California	State Program	9	2891	04-30-20
Connecticut	State		PH-0688	09-30-20
Connecticut	State Program	1	PH-0688	09-30-20
Florida	NELAP	4	E871008	06-30-20
Florida	NELAP		E871008	06-30-20
Illinois	NELAP	5	200005	06-30-20
Illinois	NELAP		004375	06-30-20
Kansas	NELAP	7	E-10350	01-31-20
Kentucky (UST)	State Program	4	162013	04-30-20
Kentucky (WW)	State Program	4	KY98043	12-31-19
Louisiana	NELAP	6	04041	06-30-20
Minnesota	NELAP Secondary AB	5	042-999-482	12-31-19
Nevada	State		PA00164	07-31-19
Nevada	State Program	9	PA00164	07-31-19
New Hampshire	NELAP	1	2030	04-04-20
New Jersey	NELAP	2	PA005	06-30-20
New York	NELAP	2	11182	03-31-20
New York	NELAP		11182	04-01-20
North Carolina (WW/SW)	State Program	4	434	12-31-19
Oregon	NELAP	10	PA-2151	02-06-20
Oregon	NELAP		PA-2151	02-06-20
Pennsylvania	NELAP	3	02-00416	04-30-20
Pennsylvania	NELAP		02-00416	04-30-20
Rhode Island	State		LAO00362	12-30-19
Rhode Island	State Program	1	LAO00362	12-30-19
South Carolina	State Program	4	89014	04-30-20
Texas	NELAP	6	T104704528-15-2	03-31-20
Texas	NELAP		T104704528	03-31-20
US Fish & Wildlife	Federal		LE94312A-1	07-31-19
US Fish & Wildlife	US Federal Programs		058448	07-31-20
USDA	Federal		P-Soil-01	06-26-22
Utah	NELAP	8	PA001462015-4	05-31-20
Virginia	NELAP	3	460189	09-14-19
Virginia	NELAP		10043	09-14-19
West Virginia DEP	State		142	01-31-20
West Virginia DEP	State Program	3	142	01-31-20
Wisconsin	State		998027800	08-31-19
Wisconsin	State Program	5	998027800	08-31-19

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-1
SDG: App III

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-91948-1	GWA-1	Ground Water	06/24/19 16:30	06/27/19 09:00	
180-91948-2	GWA-2	Ground Water	06/24/19 14:55	06/27/19 09:00	
180-91948-3	GWA-3	Ground Water	06/25/19 10:00	06/27/19 09:00	
180-91948-4	GWA-29	Ground Water	06/25/19 11:45	06/27/19 09:00	
180-91948-5	EB-1-6-25-19	Water	06/25/19 12:00	06/27/19 09:00	
180-91948-6	GWC-25	Ground Water	06/25/19 13:00	06/27/19 09:00	
180-91948-7	GWC-7	Ground Water	06/25/19 11:15	06/27/19 09:00	
180-91948-8	GWC-8	Ground Water	06/25/19 17:10	06/27/19 09:00	
180-91948-9	GWC-26	Ground Water	06/25/19 14:20	06/27/19 09:00	
180-91948-10	GWC-9	Ground Water	06/25/19 14:00	06/27/19 09:00	
180-91948-11	FB-2-6-25-19	Water	06/25/19 15:35	06/27/19 09:00	
180-91948-12	GWA-4	Ground Water	06/24/19 17:10	06/27/19 09:00	
180-91948-13	GWC-13	Ground Water	06/25/19 10:55	06/27/19 09:00	
180-91948-14	GWC-14	Ground Water	06/25/19 12:10	06/27/19 09:00	
180-91948-15	GWC-15	Ground Water	06/25/19 13:20	06/27/19 09:00	
180-91948-16	GWC-16	Ground Water	06/25/19 14:25	06/27/19 09:00	
180-91948-17	GWC-17	Ground Water	06/25/19 16:40	06/27/19 09:00	
180-91948-18	GWA-28	Ground Water	06/25/19 11:00	06/27/19 09:00	
180-91948-19	GWC-20	Ground Water	06/25/19 16:48	06/27/19 09:00	
180-91948-20	GWC-21	Ground Water	06/25/19 14:05	06/27/19 09:00	
180-91948-21	DUP-1	Water	06/25/19 00:00	06/27/19 09:00	
180-91948-22	DUP-2	Water	06/25/19 00:00	06/27/19 09:00	
180-91948-23	GWC-22	Ground Water	06/25/19 12:52	06/27/19 09:00	
180-91948-24	FB-1-6-25-19	Water	06/25/19 11:40	06/27/19 09:00	
180-91948-25	EB-2-6-25-19	Water	06/25/19 15:40	06/27/19 09:00	

Method Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-1
SDG: App III

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

Protocol References:

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

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

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

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-1
SDG: App III

Client Sample ID: GWA-1
Date Collected: 06/24/19 16:30
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283631	07/02/19 12:22	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 18:44	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283310	06/28/19 07:46	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-2
Date Collected: 06/24/19 14:55
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283631	07/02/19 12:37	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 18:58	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283310	06/28/19 07:46	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-3
Date Collected: 06/25/19 10:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283631	07/02/19 13:54	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:01	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283310	06/28/19 07:46	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-29
Date Collected: 06/25/19 11:45
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283631	07/02/19 14:09	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:05	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283310	06/28/19 07:46	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-1
SDG: App III

Client Sample ID: EB-1-6-25-19

Date Collected: 06/25/19 12:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283631	07/02/19 14:24	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:08	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283310	06/28/19 07:46	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-25

Date Collected: 06/25/19 13:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-6

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283631	07/02/19 14:40	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:12	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283310	06/28/19 07:46	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-7

Date Collected: 06/25/19 11:15
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-7

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283631	07/02/19 14:55	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:22	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283310	06/28/19 07:46	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-8

Date Collected: 06/25/19 17:10
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-8

Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283631	07/02/19 15:26	MJH	TAL PIT
	Instrument ID: CHIC2100A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:25	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283310	06/28/19 07:46	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-1
SDG: App III

Client Sample ID: GWC-26
Date Collected: 06/25/19 14:20
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-9
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283780	07/03/19 07:41	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:29	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283310	06/28/19 07:46	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-9
Date Collected: 06/25/19 14:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-10
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283780	07/03/19 09:01	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:32	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283310	06/28/19 07:46	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-2-6-25-19
Date Collected: 06/25/19 15:35
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283780	07/03/19 06:21	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:35	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-4
Date Collected: 06/24/19 17:10
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-12
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283780	07/03/19 09:17	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:39	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283310	06/28/19 07:46	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-1
SDG: App III

Client Sample ID: GWC-13
Date Collected: 06/25/19 10:55
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-13
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 17:29	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:42	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-14
Date Collected: 06/25/19 12:10
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-14
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 17:45	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:46	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-15
Date Collected: 06/25/19 13:20
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-15
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 18:01	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:49	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-16
Date Collected: 06/25/19 14:25
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-16
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 18:48	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:52	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-1
SDG: App III

Client Sample ID: GWC-17
Date Collected: 06/25/19 16:40
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-17
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 19:04	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 20:03	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-28
Date Collected: 06/25/19 11:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-18
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 19:20	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 20:06	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-20
Date Collected: 06/25/19 16:48
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-19
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 19:36	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 20:09	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-21
Date Collected: 06/25/19 14:05
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-20
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283780	07/03/19 06:37	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 20:13	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-1
Date Collected: 06/25/19 00:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283780	07/03/19 06:53	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 17:23	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-2
Date Collected: 06/25/19 00:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283780	07/03/19 07:09	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 17:26	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-22
Date Collected: 06/25/19 12:52
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-23
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283780	07/03/19 07:25	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 17:30	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-1-6-25-19
Date Collected: 06/25/19 11:40
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 16:10	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 17:33	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-1
SDG: App III

Client Sample ID: EB-2-6-25-19

Date Collected: 06/25/19 15:40
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 17:13	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 17:43	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283316	06/28/19 08:36	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

RJR = Ron Rosenbaum

Batch Type: Analysis

MJH = Matthew Hartman

RSK = Robert Kurtz

TAM = Tessa Mastalski

Client Sample ID: GWA-1
Date Collected: 06/24/19 16:30
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-1
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.7		1.0	0.71	mg/L			07/02/19 12:22	1
Fluoride	0.031	J	0.20	0.026	mg/L			07/02/19 12:22	1
Sulfate	<0.38		1.0	0.38	mg/L			07/02/19 12:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.034	J	0.080	0.030	mg/L		06/28/19 06:53	07/09/19 18:44	1
Calcium	0.76		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 18:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	21		10	10	mg/L			06/28/19 07:46	1

Client Sample ID: GWA-2
Date Collected: 06/24/19 14:55
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-2
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.1		1.0	0.71	mg/L			07/02/19 12:37	1
Fluoride	0.032	J	0.20	0.026	mg/L			07/02/19 12:37	1
Sulfate	0.91	J	1.0	0.38	mg/L			07/02/19 12:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 18:58	1
Calcium	5.0		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 18:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	72		10	10	mg/L			06/28/19 07:46	1

Client Sample ID: GWA-3
Date Collected: 06/25/19 10:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-3
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/02/19 13:54	1
Fluoride	0.030	J	0.20	0.026	mg/L			07/02/19 13:54	1
Sulfate	<0.38		1.0	0.38	mg/L			07/02/19 13:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:01	1
Calcium	10		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	130		10	10	mg/L			06/28/19 07:46	1

Client Sample ID: GWA-29
Date Collected: 06/25/19 11:45
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-4
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	24		1.0	0.71	mg/L			07/02/19 14:09	1
Fluoride	0.034	J	0.20	0.026	mg/L			07/02/19 14:09	1
Sulfate	26		1.0	0.38	mg/L			07/02/19 14:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:05	1
Calcium	4.8		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	97		10	10	mg/L			06/28/19 07:46	1

Client Sample ID: EB-1-6-25-19
Date Collected: 06/25/19 12:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-5
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.3		1.0	0.71	mg/L			07/02/19 14:24	1
Fluoride	2.1		0.20	0.026	mg/L			07/02/19 14:24	1
Sulfate	9.4		1.0	0.38	mg/L			07/02/19 14:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:08	1
Calcium	<0.12		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			06/28/19 07:46	1

Client Sample ID: GWC-25
Date Collected: 06/25/19 13:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-6
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.0		1.0	0.71	mg/L			07/02/19 14:40	1
Fluoride	0.033	J	0.20	0.026	mg/L			07/02/19 14:40	1
Sulfate	1.6		1.0	0.38	mg/L			07/02/19 14:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:12	1
Calcium	3.5		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	58		10	10	mg/L			06/28/19 07:46	1

Client Sample ID: GWC-7

Date Collected: 06/25/19 11:15
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-7

Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	16		1.0	0.71	mg/L			07/02/19 14:55	1
Fluoride	0.21		0.20	0.026	mg/L			07/02/19 14:55	1
Sulfate	59		1.0	0.38	mg/L			07/02/19 14:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:22	1
Calcium	50		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	400		10	10	mg/L			06/28/19 07:46	1

Client Sample ID: GWC-8

Date Collected: 06/25/19 17:10
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-8

Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.9		1.0	0.71	mg/L			07/02/19 15:26	1
Fluoride	0.055	J	0.20	0.026	mg/L			07/02/19 15:26	1
Sulfate	14		1.0	0.38	mg/L			07/02/19 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:25	1
Calcium	29		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	200		10	10	mg/L			06/28/19 07:46	1

Client Sample ID: GWC-26

Date Collected: 06/25/19 14:20
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-9

Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.0		1.0	0.71	mg/L			07/03/19 07:41	1
Fluoride	0.047	J	0.20	0.026	mg/L			07/03/19 07:41	1
Sulfate	0.78	J	1.0	0.38	mg/L			07/03/19 07:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:29	1
Calcium	1.8		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	49		10	10	mg/L			06/28/19 07:46	1

Client Sample ID: GWC-9

Lab Sample ID: 180-91948-10
Matrix: Ground Water
Date Collected: 06/25/19 14:00
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.7**		1.0	0.71	mg/L			07/03/19 09:01	1
Fluoride	**0.066**	**J**	0.20	0.026	mg/L			07/03/19 09:01	1
Sulfate	**11**		1.0	0.38	mg/L			07/03/19 09:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.068**	**J**	0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:32	1
Calcium	**14**		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**160**		10	10	mg/L			06/28/19 07:46	1

Client Sample ID: FB-2-6-25-19

Lab Sample ID: 180-91948-11
Matrix: Water
Date Collected: 06/25/19 15:35
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/03/19 06:21	1
Fluoride	**0.040**	**J**	0.20	0.026	mg/L			07/03/19 06:21	1
Sulfate	<0.38		1.0	0.38	mg/L			07/03/19 06:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:35	1
Calcium	<0.12		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: GWA-4

Lab Sample ID: 180-91948-12
Matrix: Ground Water
Date Collected: 06/24/19 17:10
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11**		1.0	0.71	mg/L			07/03/19 09:17	1
Fluoride	**0.080**	**J**	0.20	0.026	mg/L			07/03/19 09:17	1
Sulfate	**10**		1.0	0.38	mg/L			07/03/19 09:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:39	1
Calcium	**27**		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**170**		10	10	mg/L			06/28/19 07:46	1

Client Sample ID: GWC-13

Lab Sample ID: 180-91948-13

Date Collected: 06/25/19 10:55
Matrix: Ground Water
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.3		1.0	0.71	mg/L			07/02/19 17:29	1
Fluoride	0.084	J	0.20	0.026	mg/L			07/02/19 17:29	1
Sulfate	3.0		1.0	0.38	mg/L			07/02/19 17:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:42	1
Calcium	4.3		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	56		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: GWC-14

Lab Sample ID: 180-91948-14

Date Collected: 06/25/19 12:10
Matrix: Ground Water
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	82		1.0	0.71	mg/L			07/02/19 17:45	1
Fluoride	0.054	J	0.20	0.026	mg/L			07/02/19 17:45	1
Sulfate	13		1.0	0.38	mg/L			07/02/19 17:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.71		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:46	1
Calcium	26		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	280		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: GWC-15

Lab Sample ID: 180-91948-15

Date Collected: 06/25/19 13:20
Matrix: Ground Water
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.8		1.0	0.71	mg/L			07/02/19 18:01	1
Fluoride	0.068	J	0.20	0.026	mg/L			07/02/19 18:01	1
Sulfate	2.0		1.0	0.38	mg/L			07/02/19 18:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.066	J	0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:49	1
Calcium	9.8		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	99		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: GWC-16

Lab Sample ID: 180-91948-16

Date Collected: 06/25/19 14:25
Date Received: 06/27/19 09:00

Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.5		1.0	0.71	mg/L			07/02/19 18:48	1
Fluoride	0.052	J	0.20	0.026	mg/L			07/02/19 18:48	1
Sulfate	0.84	J	1.0	0.38	mg/L			07/02/19 18:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 19:52	1
Calcium	7.0		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 19:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	91		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: GWC-17

Lab Sample ID: 180-91948-17

Date Collected: 06/25/19 16:40
Date Received: 06/27/19 09:00

Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.2		1.0	0.71	mg/L			07/02/19 19:04	1
Fluoride	0.051	J	0.20	0.026	mg/L			07/02/19 19:04	1
Sulfate	1.1		1.0	0.38	mg/L			07/02/19 19:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 20:03	1
Calcium	8.4		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 20:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: GWA-28

Lab Sample ID: 180-91948-18

Date Collected: 06/25/19 11:00
Date Received: 06/27/19 09:00

Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.3		1.0	0.71	mg/L			07/02/19 19:20	1
Fluoride	1.9		0.20	0.026	mg/L			07/02/19 19:20	1
Sulfate	2.2		1.0	0.38	mg/L			07/02/19 19:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 20:06	1
Calcium	3.0		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 20:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	88		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: GWC-20

Lab Sample ID: 180-91948-19

Date Collected: 06/25/19 16:48
Matrix: Ground Water
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.9		1.0	0.71	mg/L			07/02/19 19:36	1
Fluoride	0.049	J	0.20	0.026	mg/L			07/02/19 19:36	1
Sulfate	0.99	J	1.0	0.38	mg/L			07/02/19 19:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 20:09	1
Calcium	9.0		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 20:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	100		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: GWC-21

Lab Sample ID: 180-91948-20

Date Collected: 06/25/19 14:05
Matrix: Ground Water
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.5		1.0	0.71	mg/L			07/03/19 06:37	1
Fluoride	0.032	J	0.20	0.026	mg/L			07/03/19 06:37	1
Sulfate	<0.38		1.0	0.38	mg/L			07/03/19 06:37	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:53	07/09/19 20:13	1
Calcium	5.0		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 20:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	63		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: DUP-1

Lab Sample ID: 180-91948-21

Date Collected: 06/25/19 00:00
Matrix: Water
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.3		1.0	0.71	mg/L			07/03/19 06:53	1
Fluoride	0.080	J	0.20	0.026	mg/L			07/03/19 06:53	1
Sulfate	2.6		1.0	0.38	mg/L			07/03/19 06:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.037	J	0.080	0.030	mg/L		06/28/19 06:54	07/09/19 17:23	1
Calcium	4.3		0.50	0.12	mg/L		06/28/19 06:54	07/09/19 17:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	53		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: DUP-2
Lab Sample ID: 180-91948-22
Date Collected: 06/25/19 00:00
Matrix: Water
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.1**		1.0	0.71	mg/L			07/03/19 07:09	1
Fluoride	**0.036**	**J**	0.20	0.026	mg/L			07/03/19 07:09	1
Sulfate	**1.2**		1.0	0.38	mg/L			07/03/19 07:09	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:54	07/09/19 17:26	1
Calcium	**9.1**		0.50	0.12	mg/L		06/28/19 06:54	07/09/19 17:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**110**		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: GWC-22
Lab Sample ID: 180-91948-23
Date Collected: 06/25/19 12:52
Matrix: Ground Water
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.7**		1.0	0.71	mg/L			07/03/19 07:25	1
Fluoride	**0.052**	**J**	0.20	0.026	mg/L			07/03/19 07:25	1
Sulfate	**0.76**	**J**	1.0	0.38	mg/L			07/03/19 07:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:54	07/09/19 17:30	1
Calcium	**12**		0.50	0.12	mg/L		06/28/19 06:54	07/09/19 17:30	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**110**		10	10	mg/L			06/28/19 08:36	1

Client Sample ID: FB-1-6-25-19
Lab Sample ID: 180-91948-24
Date Collected: 06/25/19 11:40
Matrix: Water
Date Received: 06/27/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/02/19 16:10	1
Fluoride	**0.038**	**J**	0.20	0.026	mg/L			07/02/19 16:10	1
Sulfate	<0.38		1.0	0.38	mg/L			07/02/19 16:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:54	07/09/19 17:33	1
Calcium	<0.12		0.50	0.12	mg/L		06/28/19 06:54	07/09/19 17:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			06/28/19 08:36	1

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-1
SDG: App III

Client Sample ID: EB-2-6-25-19

Date Collected: 06/25/19 15:40
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-25

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/02/19 17:13	1
Fluoride	**0.040**	**J**	0.20	0.026	mg/L			07/02/19 17:13	1
Sulfate	<0.38		1.0	0.38	mg/L			07/02/19 17:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030	^	0.080	0.030	mg/L		06/28/19 06:54	07/09/19 17:43	1
Calcium	<0.12		0.50	0.12	mg/L		06/28/19 06:54	07/09/19 17:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			06/28/19 08:36	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-283622/38
Matrix: Water
Analysis Batch: 283622

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/02/19 15:54	1
Fluoride	<0.026		0.20	0.026	mg/L			07/02/19 15:54	1
Sulfate	<0.38		1.0	0.38	mg/L			07/02/19 15:54	1

Lab Sample ID: LCS 180-283622/37
Matrix: Water
Analysis Batch: 283622

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	25.1		mg/L		100	90 - 110
Fluoride	1.25	1.26		mg/L		101	90 - 110
Sulfate	25.0	25.1		mg/L		100	90 - 110

Lab Sample ID: 180-91948-15 MS
Matrix: Ground Water
Analysis Batch: 283622

Client Sample ID: GWC-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	5.8		25.0	30.7		mg/L		99	80 - 120
Fluoride	0.068	J	1.25	1.31		mg/L		99	80 - 120
Sulfate	2.0		25.0	26.8		mg/L		99	80 - 120

Lab Sample ID: 180-91948-15 MSD
Matrix: Ground Water
Analysis Batch: 283622

Client Sample ID: GWC-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	5.8		25.0	30.4		mg/L		98	80 - 120	1	20
Fluoride	0.068	J	1.25	1.30		mg/L		99	80 - 120	1	20
Sulfate	2.0		25.0	26.5		mg/L		98	80 - 120	1	20

Lab Sample ID: MB 180-283631/18
Matrix: Water
Analysis Batch: 283631

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/02/19 10:41	1
Fluoride	<0.026		0.20	0.026	mg/L			07/02/19 10:41	1
Sulfate	<0.38		1.0	0.38	mg/L			07/02/19 10:41	1

Lab Sample ID: LCS 180-283631/17
Matrix: Water
Analysis Batch: 283631

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	24.5		mg/L		98	90 - 110
Fluoride	1.25	1.20		mg/L		96	90 - 110
Sulfate	25.0	24.1		mg/L		96	90 - 110

Method: 300.0 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 180-91948-2 MS
Matrix: Ground Water
Analysis Batch: 283631

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	6.1		25.0	32.3		mg/L		105	80 - 120		
Fluoride	0.032	J	1.25	1.30		mg/L		101	80 - 120		
Sulfate	0.91	J	25.0	26.6		mg/L		103	80 - 120		

Lab Sample ID: 180-91948-2 MSD
Matrix: Ground Water
Analysis Batch: 283631

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	6.1		25.0	32.4		mg/L		105	80 - 120	0	20
Fluoride	0.032	J	1.25	1.30		mg/L		101	80 - 120	0	20
Sulfate	0.91	J	25.0	26.4		mg/L		102	80 - 120	1	20

Lab Sample ID: MB 180-283780/6
Matrix: Water
Analysis Batch: 283780

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/03/19 05:31	1
Fluoride	<0.026		0.20	0.026	mg/L			07/03/19 05:31	1
Sulfate	<0.38		1.0	0.38	mg/L			07/03/19 05:31	1

Lab Sample ID: LCS 180-283780/5
Matrix: Water
Analysis Batch: 283780

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	25.0	24.6		mg/L		98	90 - 110		
Fluoride	1.25	1.21		mg/L		97	90 - 110		
Sulfate	25.0	24.5		mg/L		98	90 - 110		

Lab Sample ID: 180-91948-9 MS
Matrix: Ground Water
Analysis Batch: 283780

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	3.0		25.0	28.2		mg/L		101	80 - 120		
Fluoride	0.047	J	1.25	1.25		mg/L		97	80 - 120		
Sulfate	0.78	J	25.0	25.3		mg/L		98	80 - 120		

Lab Sample ID: 180-91948-9 MSD
Matrix: Ground Water
Analysis Batch: 283780

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	3.0		25.0	27.1		mg/L		96	80 - 120	4	20
Fluoride	0.047	J	1.25	1.23		mg/L		95	80 - 120	2	20
Sulfate	0.78	J	25.0	24.5		mg/L		95	80 - 120	3	20

Method: EPA 6020 - Metals (ICP/MS)

Lab Sample ID: MB 180-283300/1-A
Matrix: Water
Analysis Batch: 284336

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030	^	0.080	0.030	mg/L		06/28/19 06:53	07/09/19 18:24	1
Calcium	<0.12		0.50	0.12	mg/L		06/28/19 06:53	07/09/19 18:24	1

Lab Sample ID: LCS 180-283300/2-A
Matrix: Water
Analysis Batch: 284336

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.33		mg/L		106	80 - 120
Calcium	25.0	25.6		mg/L		102	80 - 120

Lab Sample ID: 180-91948-1 MS
Matrix: Ground Water
Analysis Batch: 284336

Client Sample ID: GWA-1
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	0.034	J	1.25	1.31		mg/L		102	75 - 125
Calcium	0.76		25.0	26.2		mg/L		102	75 - 125

Lab Sample ID: 180-91948-1 MSD
Matrix: Ground Water
Analysis Batch: 284336

Client Sample ID: GWA-1
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	0.034	J	1.25	1.30		mg/L		101	75 - 125	1	20
Calcium	0.76		25.0	26.3		mg/L		102	75 - 125	0	20

Lab Sample ID: MB 180-283301/1-A
Matrix: Water
Analysis Batch: 284336

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		06/28/19 06:54	07/09/19 16:42	1
Calcium	<0.12		0.50	0.12	mg/L		06/28/19 06:54	07/09/19 16:42	1

Lab Sample ID: LCS 180-283301/2-A
Matrix: Water
Analysis Batch: 284336

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.18		mg/L		95	80 - 120
Calcium	25.0	25.8		mg/L		103	80 - 120

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

Lab Sample ID: MB 180-283310/2
Matrix: Water
Analysis Batch: 283310

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			06/28/19 07:46	1

Lab Sample ID: LCS 180-283310/1
Matrix: Water
Analysis Batch: 283310

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			201	200		mg/L		100	80 - 120		

Lab Sample ID: MB 180-283316/2
Matrix: Water
Analysis Batch: 283316

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			06/28/19 08:36	1

Lab Sample ID: LCS 180-283316/1
Matrix: Water
Analysis Batch: 283316

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			201	208		mg/L		103	80 - 120		

Lab Sample ID: 180-91948-14 DU
Matrix: Ground Water
Analysis Batch: 283316

Client Sample ID: GWC-14
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	280			268		mg/L				3	10

HPLC/IC

Analysis Batch: 283622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-13	GWC-13	Total/NA	Ground Water	300.0	
180-91948-14	GWC-14	Total/NA	Ground Water	300.0	
180-91948-15	GWC-15	Total/NA	Ground Water	300.0	
180-91948-16	GWC-16	Total/NA	Ground Water	300.0	
180-91948-17	GWC-17	Total/NA	Ground Water	300.0	
180-91948-18	GWA-28	Total/NA	Ground Water	300.0	
180-91948-19	GWC-20	Total/NA	Ground Water	300.0	
180-91948-24	FB-1-6-25-19	Total/NA	Water	300.0	
180-91948-25	EB-2-6-25-19	Total/NA	Water	300.0	
MB 180-283622/38	Method Blank	Total/NA	Water	300.0	
LCS 180-283622/37	Lab Control Sample	Total/NA	Water	300.0	
180-91948-15 MS	GWC-15	Total/NA	Ground Water	300.0	
180-91948-15 MSD	GWC-15	Total/NA	Ground Water	300.0	

Analysis Batch: 283631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-1	GWA-1	Total/NA	Ground Water	300.0	
180-91948-2	GWA-2	Total/NA	Ground Water	300.0	
180-91948-3	GWA-3	Total/NA	Ground Water	300.0	
180-91948-4	GWA-29	Total/NA	Ground Water	300.0	
180-91948-5	EB-1-6-25-19	Total/NA	Water	300.0	
180-91948-6	GWC-25	Total/NA	Ground Water	300.0	
180-91948-7	GWC-7	Total/NA	Ground Water	300.0	
180-91948-8	GWC-8	Total/NA	Ground Water	300.0	
MB 180-283631/18	Method Blank	Total/NA	Water	300.0	
LCS 180-283631/17	Lab Control Sample	Total/NA	Water	300.0	
180-91948-2 MS	GWA-2	Total/NA	Ground Water	300.0	
180-91948-2 MSD	GWA-2	Total/NA	Ground Water	300.0	

Analysis Batch: 283780

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-9	GWC-26	Total/NA	Ground Water	300.0	
180-91948-10	GWC-9	Total/NA	Ground Water	300.0	
180-91948-11	FB-2-6-25-19	Total/NA	Water	300.0	
180-91948-12	GWA-4	Total/NA	Ground Water	300.0	
180-91948-20	GWC-21	Total/NA	Ground Water	300.0	
180-91948-21	DUP-1	Total/NA	Water	300.0	
180-91948-22	DUP-2	Total/NA	Water	300.0	
180-91948-23	GWC-22	Total/NA	Ground Water	300.0	
MB 180-283780/6	Method Blank	Total/NA	Water	300.0	
LCS 180-283780/5	Lab Control Sample	Total/NA	Water	300.0	
180-91948-9 MS	GWC-26	Total/NA	Ground Water	300.0	
180-91948-9 MSD	GWC-26	Total/NA	Ground Water	300.0	

Metals

Prep Batch: 283300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-1	GWA-1	Total Recoverable	Ground Water	3005A	
180-91948-2	GWA-2	Total Recoverable	Ground Water	3005A	
180-91948-3	GWA-3	Total Recoverable	Ground Water	3005A	

Metals (Continued)

Prep Batch: 283300 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-4	GWA-29	Total Recoverable	Ground Water	3005A	
180-91948-5	EB-1-6-25-19	Total Recoverable	Water	3005A	
180-91948-6	GWC-25	Total Recoverable	Ground Water	3005A	
180-91948-7	GWC-7	Total Recoverable	Ground Water	3005A	
180-91948-8	GWC-8	Total Recoverable	Ground Water	3005A	
180-91948-9	GWC-26	Total Recoverable	Ground Water	3005A	
180-91948-10	GWC-9	Total Recoverable	Ground Water	3005A	
180-91948-11	FB-2-6-25-19	Total Recoverable	Water	3005A	
180-91948-12	GWA-4	Total Recoverable	Ground Water	3005A	
180-91948-13	GWC-13	Total Recoverable	Ground Water	3005A	
180-91948-14	GWC-14	Total Recoverable	Ground Water	3005A	
180-91948-15	GWC-15	Total Recoverable	Ground Water	3005A	
180-91948-16	GWC-16	Total Recoverable	Ground Water	3005A	
180-91948-17	GWC-17	Total Recoverable	Ground Water	3005A	
180-91948-18	GWA-28	Total Recoverable	Ground Water	3005A	
180-91948-19	GWC-20	Total Recoverable	Ground Water	3005A	
180-91948-20	GWC-21	Total Recoverable	Ground Water	3005A	
MB 180-283300/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-283300/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-91948-1 MS	GWA-1	Total Recoverable	Ground Water	3005A	
180-91948-1 MSD	GWA-1	Total Recoverable	Ground Water	3005A	

Prep Batch: 283301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-21	DUP-1	Total Recoverable	Water	3005A	
180-91948-22	DUP-2	Total Recoverable	Water	3005A	
180-91948-23	GWC-22	Total Recoverable	Ground Water	3005A	
180-91948-24	FB-1-6-25-19	Total Recoverable	Water	3005A	
180-91948-25	EB-2-6-25-19	Total Recoverable	Water	3005A	
MB 180-283301/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-283301/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 284336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-1	GWA-1	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-2	GWA-2	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-3	GWA-3	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-4	GWA-29	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-5	EB-1-6-25-19	Total Recoverable	Water	EPA 6020	283300
180-91948-6	GWC-25	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-7	GWC-7	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-8	GWC-8	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-9	GWC-26	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-10	GWC-9	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-11	FB-2-6-25-19	Total Recoverable	Water	EPA 6020	283300
180-91948-12	GWA-4	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-13	GWC-13	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-14	GWC-14	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-15	GWC-15	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-16	GWC-16	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-17	GWC-17	Total Recoverable	Ground Water	EPA 6020	283300

Metals (Continued)

Analysis Batch: 284336 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-18	GWA-28	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-19	GWC-20	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-20	GWC-21	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-21	DUP-1	Total Recoverable	Water	EPA 6020	283301
180-91948-22	DUP-2	Total Recoverable	Water	EPA 6020	283301
180-91948-23	GWC-22	Total Recoverable	Ground Water	EPA 6020	283301
180-91948-24	FB-1-6-25-19	Total Recoverable	Water	EPA 6020	283301
180-91948-25	EB-2-6-25-19	Total Recoverable	Water	EPA 6020	283301
MB 180-283300/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283300
MB 180-283301/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283301
LCS 180-283300/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283300
LCS 180-283301/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283301
180-91948-1 MS	GWA-1	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-1 MSD	GWA-1	Total Recoverable	Ground Water	EPA 6020	283300

General Chemistry

Analysis Batch: 283310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-1	GWA-1	Total/NA	Ground Water	SM 2540C	
180-91948-2	GWA-2	Total/NA	Ground Water	SM 2540C	
180-91948-3	GWA-3	Total/NA	Ground Water	SM 2540C	
180-91948-4	GWA-29	Total/NA	Ground Water	SM 2540C	
180-91948-5	EB-1-6-25-19	Total/NA	Water	SM 2540C	
180-91948-6	GWC-25	Total/NA	Ground Water	SM 2540C	
180-91948-7	GWC-7	Total/NA	Ground Water	SM 2540C	
180-91948-8	GWC-8	Total/NA	Ground Water	SM 2540C	
180-91948-9	GWC-26	Total/NA	Ground Water	SM 2540C	
180-91948-10	GWC-9	Total/NA	Ground Water	SM 2540C	
180-91948-12	GWA-4	Total/NA	Ground Water	SM 2540C	
MB 180-283310/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-283310/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 283316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-11	FB-2-6-25-19	Total/NA	Water	SM 2540C	
180-91948-13	GWC-13	Total/NA	Ground Water	SM 2540C	
180-91948-14	GWC-14	Total/NA	Ground Water	SM 2540C	
180-91948-15	GWC-15	Total/NA	Ground Water	SM 2540C	
180-91948-16	GWC-16	Total/NA	Ground Water	SM 2540C	
180-91948-17	GWC-17	Total/NA	Ground Water	SM 2540C	
180-91948-18	GWA-28	Total/NA	Ground Water	SM 2540C	
180-91948-19	GWC-20	Total/NA	Ground Water	SM 2540C	
180-91948-20	GWC-21	Total/NA	Ground Water	SM 2540C	
180-91948-21	DUP-1	Total/NA	Water	SM 2540C	
180-91948-22	DUP-2	Total/NA	Water	SM 2540C	
180-91948-23	GWC-22	Total/NA	Ground Water	SM 2540C	
180-91948-24	FB-1-6-25-19	Total/NA	Water	SM 2540C	
180-91948-25	EB-2-6-25-19	Total/NA	Water	SM 2540C	
MB 180-283316/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-283316/1	Lab Control Sample	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 283316 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-14 DU	GWC-14	Total/NA	Ground Water	SM 2540C	

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

681-Atlanta

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: O. FUQUEA, ~~C. PARKER~~ H. AULD	Lab PM: Bortot, Veronica	Carrier Tracking No(s): ALL to TA - ATL ccr	COC No:
Client Contact: Joju Abraham	Phone: (770) 594-5998	E-Mail: veronica.bortot@testamericainc.com		Page:
Company: Southern Company				Job #:
Address: PO BOX 2641 GSC8	Due Date Requested:			
City: Birmingham	TAT Requested (days): 3 Day			
State, Zip: AL, 35291				
Phone:	PO #: SCS10347656			
Email: JAbraham@southernco.com	WO #:			
Project Name: CCR - Plant Wansley - Landfill	Project #: 40007709			
Site: Georgia	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As,B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	D	X	
GWA-1	6-24-19	1630	G	Water	N	N	✓	✓	2	APP III PLUS STATE METALS LIST
GWA-2	6-24-19	1455	G	Water	N	N	✓	✓	2	
GWA-3	6-25-19	1000	G	Water	N	N	✓	✓	2	
GWA-29	6-25-19	1145	G	Water	N	N	✓	✓	2	
EB-1-6-25-19	6-25-19	1200	G	Water	N	N	✓	✓	2	
GWC-25	6-25-19	1300	G	Water	N	N	✓	✓	2	
GWL-7	6-25-19	1115	G	Water	N	N	✓	✓	2	
GWC-8	6-25-19	1710	G	Water	N	N	✓	✓	2	
GWC-26	6-25-19	1420	G	Water	N	N	✓	✓	2	
GWC-9	6-25-19	1460	G	Water	N	N	✓	✓	2	
FB-2-6-25-19	6-25-19	1535	G	Water	N	N	✓	✓	2	

180-91948 Chain of Custody

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

Sample Disposal (A fee may be assessed if samples are retained longer tha
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	6-26-19 / 13:00	ACC	[signature]	6/26/19 13:00	ETA
[signature] 6/26/19	Date/Time: 16:00	Company ETA	Received by: [signature]	Date/Time: 6-27-19	Company TAPIT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 900	Company

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

Ver: 08/04/2016

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

681-Atlanta

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: C. Parker, R. Walker	Lab PM: Bortot, Veronica	Carrier Tracking No(s): ACC to TA ATL cc.	COC No:
Client Contact: Joju Abraham	Phone: 770) 594-5898	E-Mail: veronica.bortot@testamericainc.com		Page:
Company: Southern Company				Job #:
Address: PO BOX 2641 GSC8	Due Date Requested:			
City: Birmingham	TAT Requested (days): 3 Day			
State, Zip: AL, 35291				
Phone:	PO #: SCS10347656			
Email: JAbraham@southernco.com	WO #:			
Project Name: CCR - Plant Wansley - Landfill	Project #: 40007709			
Site: Georgia	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As,B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D		
GWA-4	6-24-19	1710	G	Water	N	N	1	1	2	APP III PLUS STATE METALS LIST
GWC-13	6-25-19	1055	G	Water	N	N	1	1	2	
GWC-14	6-25-19	1210	G	Water	N	N	1	1	2	
GWC-15	6-25-19	1320	G	Water	N	N	1	1	2	
GWC-16	6-25-19	1425	G	Water	N	N	1	1	2	
GWC-17	6-25-19	1640	G	Water	N	N	1	1	2	
GWA-28	6-25-19	1100	G	Water	N	N	1	1	2	
GWC-20	6-25-19	1648	G	Water	N	N	1	1	2	
GWC-21	6-25-19	1405	G	Water	N	N	1	1	2	
Dup-1	6-25-19	—	G	Water	N	N	1	1	2	
Dup-2	6-25-19	—	G	Water	N	N	1	1	2	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
C Parker BW	6-26-19 / 1°	ACC	6/26/19	13:20	ETA
Relinquished by: 6/26/19	Date/Time: 16:00	Company ETA	Received by:	Date/Time: 6-27-19	Company TAP 1
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 900	Company

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

Ver: 08/04/2016

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

681-Atlanta

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: C. Parker, R. Walker	Lab PM: Bortot, Veronica	Carrier Tracking No(s): Acc to TA ATL - C.C.	COC No:
Client Contact: Joju Abraham	Phone: 770)594-5998	E-Mail: veronica.bortot@testamericainc.com		Page:
Company: Southern Company		Analysis Requested		Job #:
Address: PO BOX 2641 GSC8	Due Date Requested:			Preservation Codes:
City: Birmingham	TAT Requested (days): 3 Day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: AL, 35291	PO #: SCS10347656			
Phone:	WO #:			Other:
Email: JAbraham@southernco.com	Project #: 40007709			
Project Name: CCR - Plant Wansley - Landfill	SSOW#:			
Site: Georgia				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As,B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	D	X	
GWC-22	6-25-19	1252	G	Water	N	N	1	1	2	APP III PLUS STATE METALS LIST
FB-1-6-25-19	6-25-19	1140	G	Water	N	N	1	1	2	FB-1-6-25-19
EB-2-6-25-19	6-25-19	1540	G	Water	N	N	1	1	2	
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6-26-19 / 13:00	ACC		6/26/19 13:00	ETA
Relinquished by: 6/26/19	Date/Time: 16:00	Company ETA	Received by:	Date/Time: 6-27-19 900	Company TALLH
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-91948-1
SDG Number: App III

Login Number: 91948
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh

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

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 180-91948-2
Laboratory Sample Delivery Group: State Metals
Client Project/Site: CCR - Plant Wansley Landfill

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

Attn: Joju Abraham

Veronica Bortot

Authorized for release by:
7/11/2019 3:16:29 PM

Veronica Bortot, Senior Project Manager
(412)963-2435
veronica.bortot@testamericainc.com

PA Lab ID: 02-00416

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Case Narrative

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Job ID: 180-91948-2

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-91948-2

Comments
No additional comments.

Receipt
The samples were received on 6/27/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 1.3º C and 1.7º C.

Metals
Method(s) 6020: The continuing calibration verification (CCV) associated with batch 180-284336 recovered above the upper control limit for boron.The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 6020, 6020A: The continuing calibration verification (CCV) associated with batch 180-284336 recovered above the upper control limit for boron. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

Definitions/Glossary

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Qualifiers

Metals

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

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Laboratory: Eurofins TestAmerica, Pittsburgh

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
Arkansas DEQ	State Program	6	88-0690	06-27-20
California	State		2891	04-30-20
California	State Program	9	2891	04-30-20
Connecticut	State		PH-0688	09-30-20
Connecticut	State Program	1	PH-0688	09-30-20
Florida	NELAP	4	E871008	06-30-20
Florida	NELAP		E871008	06-30-20
Illinois	NELAP	5	200005	06-30-20
Illinois	NELAP		004375	06-30-20
Kansas	NELAP	7	E-10350	01-31-20
Kentucky (UST)	State Program	4	162013	04-30-20
Kentucky (WW)	State Program	4	KY98043	12-31-19
Louisiana	NELAP	6	04041	06-30-20
Minnesota	NELAP Secondary AB	5	042-999-482	12-31-19
Nevada	State		PA00164	07-31-19
Nevada	State Program	9	PA00164	07-31-19
New Hampshire	NELAP	1	2030	04-04-20
New Jersey	NELAP	2	PA005	06-30-20
New York	NELAP	2	11182	03-31-20
New York	NELAP		11182	04-01-20
North Carolina (WW/SW)	State Program	4	434	12-31-19
Oregon	NELAP	10	PA-2151	02-06-20
Oregon	NELAP		PA-2151	02-06-20
Pennsylvania	NELAP	3	02-00416	04-30-20
Pennsylvania	NELAP		02-00416	04-30-20
Rhode Island	State		LAO00362	12-30-19
Rhode Island	State Program	1	LAO00362	12-30-19
South Carolina	State Program	4	89014	04-30-20
Texas	NELAP	6	T104704528-15-2	03-31-20
Texas	NELAP		T104704528	03-31-20
US Fish & Wildlife	Federal		LE94312A-1	07-31-19
US Fish & Wildlife	US Federal Programs		058448	07-31-20
USDA	Federal		P-Soil-01	06-26-22
Utah	NELAP	8	PA001462015-4	05-31-20
Virginia	NELAP	3	460189	09-14-19
Virginia	NELAP		10043	09-14-19
West Virginia DEP	State		142	01-31-20
West Virginia DEP	State Program	3	142	01-31-20
Wisconsin	State		998027800	08-31-19
Wisconsin	State Program	5	998027800	08-31-19

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-91948-1	GWA-1	Ground Water	06/24/19 16:30	06/27/19 09:00	
180-91948-2	GWA-2	Ground Water	06/24/19 14:55	06/27/19 09:00	
180-91948-3	GWA-3	Ground Water	06/25/19 10:00	06/27/19 09:00	
180-91948-4	GWA-29	Ground Water	06/25/19 11:45	06/27/19 09:00	
180-91948-5	EB-1-6-25-19	Water	06/25/19 12:00	06/27/19 09:00	
180-91948-6	GWC-25	Ground Water	06/25/19 13:00	06/27/19 09:00	
180-91948-7	GWC-7	Ground Water	06/25/19 11:15	06/27/19 09:00	
180-91948-8	GWC-8	Ground Water	06/25/19 17:10	06/27/19 09:00	
180-91948-9	GWC-26	Ground Water	06/25/19 14:20	06/27/19 09:00	
180-91948-10	GWC-9	Ground Water	06/25/19 14:00	06/27/19 09:00	
180-91948-11	FB-2-6-25-19	Water	06/25/19 15:35	06/27/19 09:00	
180-91948-12	GWA-4	Ground Water	06/24/19 17:10	06/27/19 09:00	
180-91948-13	GWC-13	Ground Water	06/25/19 10:55	06/27/19 09:00	
180-91948-14	GWC-14	Ground Water	06/25/19 12:10	06/27/19 09:00	
180-91948-15	GWC-15	Ground Water	06/25/19 13:20	06/27/19 09:00	
180-91948-16	GWC-16	Ground Water	06/25/19 14:25	06/27/19 09:00	
180-91948-17	GWC-17	Ground Water	06/25/19 16:40	06/27/19 09:00	
180-91948-18	GWA-28	Ground Water	06/25/19 11:00	06/27/19 09:00	
180-91948-19	GWC-20	Ground Water	06/25/19 16:48	06/27/19 09:00	
180-91948-20	GWC-21	Ground Water	06/25/19 14:05	06/27/19 09:00	
180-91948-21	DUP-1	Water	06/25/19 00:00	06/27/19 09:00	
180-91948-22	DUP-2	Water	06/25/19 00:00	06/27/19 09:00	
180-91948-23	GWC-22	Ground Water	06/25/19 12:52	06/27/19 09:00	
180-91948-24	FB-1-6-25-19	Water	06/25/19 11:40	06/27/19 09:00	
180-91948-25	EB-2-6-25-19	Water	06/25/19 15:40	06/27/19 09:00	

Method Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Method	Method Description	Protocol	Laboratory
EPA 6020	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

Protocol References:

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

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Client Sample ID: GWA-1
Date Collected: 06/24/19 16:30
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 18:44	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284478	07/10/19 15:39	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:09	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWA-2
Date Collected: 06/24/19 14:55
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 18:58	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284478	07/10/19 15:53	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:11	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWA-3
Date Collected: 06/25/19 10:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:01	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284478	07/10/19 15:56	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:12	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Client Sample ID: GWA-29
Date Collected: 06/25/19 11:45
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:05	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284478	07/10/19 15:59	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:13	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: EB-1-6-25-19
Date Collected: 06/25/19 12:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:08	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284478	07/10/19 16:03	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:14	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-25
Date Collected: 06/25/19 13:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:12	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284478	07/10/19 16:06	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:16	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Client Sample ID: GWC-7
Date Collected: 06/25/19 11:15
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:22	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:17	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-8
Date Collected: 06/25/19 17:10
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-8
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:25	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:18	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-26
Date Collected: 06/25/19 14:20
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-9
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:29	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:23	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-9
Date Collected: 06/25/19 14:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-10
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:32	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:24	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Client Sample ID: FB-2-6-25-19
Date Collected: 06/25/19 15:35
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:35	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:25	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWA-4
Date Collected: 06/24/19 17:10
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-12
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:39	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:26	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-13
Date Collected: 06/25/19 10:55
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-13
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:42	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:28	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-14
Date Collected: 06/25/19 12:10
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-14
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:46	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:29	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Client Sample ID: GWC-15
Date Collected: 06/25/19 13:20
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-15
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:49	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:30	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-16
Date Collected: 06/25/19 14:25
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-16
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 19:52	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:31	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-17
Date Collected: 06/25/19 16:40
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-17
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 20:03	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283943	07/04/19 09:55	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:33	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWA-28
Date Collected: 06/25/19 11:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-18
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 20:06	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283944	07/04/19 09:59	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:40	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-20
Date Collected: 06/25/19 16:48
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-19
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 20:09	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283944	07/04/19 09:59	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:43	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-21
Date Collected: 06/25/19 14:05
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-20
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283300	06/28/19 06:53	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 20:13	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283944	07/04/19 09:59	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:45	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: DUP-1
Date Collected: 06/25/19 00:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-21
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 17:23	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284478	07/10/19 14:18	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283944	07/04/19 09:59	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:46	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: DUP-2
Date Collected: 06/25/19 00:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 17:26	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284478	07/10/19 14:21	RSK	TAL PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Client Sample ID: DUP-2
Date Collected: 06/25/19 00:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-22
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	283944	07/04/19 09:59	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:47	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-22
Date Collected: 06/25/19 12:52
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-23
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 17:30	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284478	07/10/19 14:24	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283944	07/04/19 09:59	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:48	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: FB-1-6-25-19
Date Collected: 06/25/19 11:40
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-24
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 17:33	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284478	07/10/19 14:28	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283944	07/04/19 09:59	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:50	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: EB-2-6-25-19
Date Collected: 06/25/19 15:40
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-25
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284336	07/09/19 17:43	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283301	06/28/19 06:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284478	07/10/19 14:31	RSK	TAL PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley Landfill

Job ID: 180-91948-2
SDG: State Metals

Client Sample ID: EB-2-6-25-19

Date Collected: 06/25/19 15:40
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-25

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	283944	07/04/19 09:59	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 18:54	RJR	TAL PIT
	Instrument ID: HGY									

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KAK = Kayla Kalamasz

RJR = Ron Rosenbaum

Batch Type: Analysis

RJR = Ron Rosenbaum

RSK = Robert Kurtz

Client Sample ID: GWA-1

Date Collected: 06/24/19 16:30
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-1

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 18:44	1
Arsenic	**0.00054**	**J**	0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 18:44	1
Barium	**0.0096**	**J**	0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 18:44	1
Beryllium	**0.00029**	**J**	0.0010	0.00016	mg/L		06/28/19 06:53	07/10/19 15:39	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 18:44	1
Cobalt	**0.00019**	**J**	0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 18:44	1
Chromium	**0.0042**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 18:44	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 18:44	1
Nickel	**0.00095**	**J B**	0.0010	0.00031	mg/L		06/28/19 06:53	07/10/19 15:39	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 18:44	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 18:44	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 18:44	1
Thallium	**0.00020**	**J**	0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 18:44	1
Vanadium	**0.0028**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 18:44	1
Zinc	**0.0048**	**J B**	0.0050	0.0032	mg/L		06/28/19 06:53	07/10/19 15:39	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:09	1

Client Sample ID: GWA-2

Date Collected: 06/24/19 14:55
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-2

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 18:58	1
Arsenic	**0.00043**	**J**	0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 18:58	1
Barium	**0.011**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 18:58	1
Beryllium	**0.00023**	**J**	0.0010	0.00016	mg/L		06/28/19 06:53	07/10/19 15:53	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 18:58	1
Cobalt	**0.00019**	**J**	0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 18:58	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 18:58	1
Copper	**0.0011**	**J**	0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 18:58	1
Nickel	**0.0013**	**B**	0.0010	0.00031	mg/L		06/28/19 06:53	07/10/19 15:53	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 18:58	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 18:58	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 18:58	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 18:58	1
Vanadium	**0.0018**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 18:58	1
Zinc	**0.0046**	**J B**	0.0050	0.0032	mg/L		06/28/19 06:53	07/10/19 15:53	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:11	1

Client Sample ID: GWA-3

Date Collected: 06/25/19 10:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-3

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:01	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:01	1
Barium	**0.082**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:01	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/10/19 15:56	1
Cadmium	**0.00014**	**J**	0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:01	1
Cobalt	**0.00042**	**J**	0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:01	1
Chromium	**0.0027**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:01	1
Copper	**0.0040**		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:01	1
Nickel	**0.0021**	**B**	0.0010	0.00031	mg/L		06/28/19 06:53	07/10/19 15:56	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:01	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:01	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:01	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:01	1
Vanadium	**0.0028**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:01	1
Zinc	**0.014**	**B**	0.0050	0.0032	mg/L		06/28/19 06:53	07/10/19 15:56	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:12	1

Client Sample ID: GWA-29

Date Collected: 06/25/19 11:45
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-4

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	**0.0017**		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:05	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:05	1
Barium	<0.0015		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:05	1
Beryllium	**0.0023**		0.0010	0.00016	mg/L		06/28/19 06:53	07/10/19 15:59	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:05	1
Cobalt	**0.00012**	**J**	0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:05	1
Chromium	**0.0030**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:05	1
Copper	**0.0085**		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:05	1
Nickel	**0.0028**	**B**	0.0010	0.00031	mg/L		06/28/19 06:53	07/10/19 15:59	1
Lead	**0.00029**	**J**	0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:05	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:05	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:05	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:05	1
Vanadium	**0.0023**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:05	1
Zinc	**0.041**	**B**	0.0050	0.0032	mg/L		06/28/19 06:53	07/10/19 15:59	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:13	1

Client Sample ID: EB-1-6-25-19

Date Collected: 06/25/19 12:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:08	1
Arsenic	**0.00046**	**J**	0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:08	1
Barium	<0.0015		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:08	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/10/19 16:03	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:08	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:08	1
Chromium	**0.0043**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:08	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:08	1
Nickel	<0.00031		0.0010	0.00031	mg/L		06/28/19 06:53	07/10/19 16:03	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:08	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:08	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:08	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:08	1
Vanadium	**0.0026**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:08	1
Zinc	**0.0088**	**B**	0.0050	0.0032	mg/L		06/28/19 06:53	07/10/19 16:03	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:14	1

Client Sample ID: GWC-25

Date Collected: 06/25/19 13:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-6

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:12	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:12	1
Barium	**0.032**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:12	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/10/19 16:06	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:12	1
Cobalt	**0.0010**		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:12	1
Chromium	**0.0030**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:12	1
Copper	**0.0029**		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:12	1
Nickel	**0.0021**	**B**	0.0010	0.00031	mg/L		06/28/19 06:53	07/10/19 16:06	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:12	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:12	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:12	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:12	1
Vanadium	**0.0019**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:12	1
Zinc	**0.010**	**B**	0.0050	0.0032	mg/L		06/28/19 06:53	07/10/19 16:06	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:16	1

Client Sample ID: GWC-7

Date Collected: 06/25/19 11:15
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-7

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:22	1
Arsenic	**0.00035**	**J**	0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:22	1
Barium	**0.075**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:22	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 19:22	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:22	1
Cobalt	**0.0039**		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:22	1
Chromium	**0.0021**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:22	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:22	1
Nickel	**0.010**		0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 19:22	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:22	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:22	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:22	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:22	1
Vanadium	**0.0035**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:22	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 19:22	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:17	1

Client Sample ID: GWC-8

Date Collected: 06/25/19 17:10
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-8

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:25	1
Arsenic	**0.00045**	**J**	0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:25	1
Barium	**0.060**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:25	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 19:25	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:25	1
Cobalt	**0.035**		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:25	1
Chromium	**0.0024**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:25	1
Copper	**0.00074**	**J**	0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:25	1
Nickel	**0.0053**		0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 19:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:25	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:25	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:25	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:25	1
Vanadium	**0.0026**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:25	1
Zinc	**0.0043**	**J**	0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 19:25	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:18	1

Client Sample ID: GWC-26

Date Collected: 06/25/19 14:20
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-9

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:29	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:29	1
Barium	**0.038**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:29	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 19:29	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:29	1
Cobalt	**0.00017**	**J**	0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:29	1
Chromium	**0.0030**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:29	1
Copper	**0.0020**		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:29	1
Nickel	**0.0031**		0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 19:29	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:29	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:29	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:29	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:29	1
Vanadium	**0.0024**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:29	1
Zinc	**0.0045**	**J**	0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 19:29	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:23	1

Client Sample ID: GWC-9

Date Collected: 06/25/19 14:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-10

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:32	1
Arsenic	**0.00086**	**J**	0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:32	1
Barium	**0.18**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:32	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 19:32	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:32	1
Cobalt	**0.043**		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:32	1
Chromium	**0.0048**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:32	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:32	1
Nickel	**0.010**		0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 19:32	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:32	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:32	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:32	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:32	1
Vanadium	**0.0020**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:32	1
Zinc	**0.0050**		0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 19:32	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:24	1

Client Sample ID: FB-2-6-25-19

Lab Sample ID: 180-91948-11

Date Collected: 06/25/19 15:35
Matrix: Water
Date Received: 06/27/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:35	1
Arsenic	**0.00037**	**J**	0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:35	1
Barium	<0.0015		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:35	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 19:35	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:35	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:35	1
Chromium	**0.0041**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:35	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:35	1
Nickel	**0.00093**	**J**	0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 19:35	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:35	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:35	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:35	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:35	1
Vanadium	**0.0022**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:35	1
Zinc	**0.0033**	**J**	0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 19:35	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:25	1

Client Sample ID: GWA-4

Lab Sample ID: 180-91948-12

Date Collected: 06/24/19 17:10
Matrix: Ground Water
Date Received: 06/27/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:39	1
Arsenic	**0.00032**	**J**	0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:39	1
Barium	**0.12**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:39	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 19:39	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:39	1
Cobalt	**0.0060**		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:39	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:39	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:39	1
Nickel	**0.0022**		0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 19:39	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:39	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:39	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:39	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:39	1
Vanadium	**0.0020**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:39	1
Zinc	**0.0036**	**J**	0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 19:39	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:26	1

Client Sample ID: GWC-13

Date Collected: 06/25/19 10:55
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-13

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:42	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:42	1
Barium	**0.0069**	**J**	0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:42	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 19:42	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:42	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:42	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:42	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:42	1
Nickel	**0.00068**	**J**	0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 19:42	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:42	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:42	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:42	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:42	1
Vanadium	**0.0021**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:42	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 19:42	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:28	1

Client Sample ID: GWC-14

Date Collected: 06/25/19 12:10
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-14

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:46	1
Arsenic	**0.00048**	**J**	0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:46	1
Barium	**0.16**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:46	1
Beryllium	**0.00041**	**J**	0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 19:46	1
Cadmium	**0.00021**	**J**	0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:46	1
Cobalt	**0.23**		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:46	1
Chromium	**0.0023**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:46	1
Copper	**0.00080**	**J**	0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:46	1
Nickel	**0.016**		0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 19:46	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:46	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:46	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:46	1
Thallium	**0.00046**	**J**	0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:46	1
Vanadium	**0.0014**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:46	1
Zinc	**0.014**		0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 19:46	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:29	1

Client Sample ID: GWC-15

Date Collected: 06/25/19 13:20
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-15

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:49	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:49	1
Barium	**0.0096**	**J**	0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:49	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 19:49	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:49	1
Cobalt	**0.00012**	**J**	0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:49	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:49	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:49	1
Nickel	**0.00031**	**J**	0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 19:49	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:49	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:49	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:49	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:49	1
Vanadium	**0.0019**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:49	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 19:49	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:30	1

Client Sample ID: GWC-16

Date Collected: 06/25/19 14:25
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-16

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 19:52	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 19:52	1
Barium	**0.018**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 19:52	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 19:52	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:52	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 19:52	1
Chromium	**0.0045**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 19:52	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 19:52	1
Nickel	**0.00067**	**J**	0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 19:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:52	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 19:52	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 19:52	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 19:52	1
Vanadium	**0.0056**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 19:52	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 19:52	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:31	1

Client Sample ID: GWC-17

Date Collected: 06/25/19 16:40
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-17

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 20:03	1
Arsenic	**0.00038**	**J**	0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 20:03	1
Barium	**0.017**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 20:03	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 20:03	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:03	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 20:03	1
Chromium	**0.0042**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 20:03	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 20:03	1
Nickel	**0.00092**	**J**	0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 20:03	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:03	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 20:03	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 20:03	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:03	1
Vanadium	**0.0050**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 20:03	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 20:03	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 18:33	1

Client Sample ID: GWA-28

Date Collected: 06/25/19 11:00
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-18

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 20:06	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 20:06	1
Barium	<0.0015		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 20:06	1
Beryllium	**0.00039**	**J**	0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 20:06	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:06	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 20:06	1
Chromium	**0.0024**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 20:06	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 20:06	1
Nickel	**0.00088**	**J**	0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 20:06	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:06	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 20:06	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 20:06	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:06	1
Vanadium	**0.0025**		0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 20:06	1
Zinc	**0.011**		0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 20:06	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:59	07/04/19 18:40	1

Client Sample ID: GWC-20

Date Collected: 06/25/19 16:48
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-19

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 20:09	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 20:09	1
Barium	**0.034**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 20:09	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 20:09	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:09	1
Cobalt	**0.00012**	**J**	0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 20:09	1
Chromium	**0.0023**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 20:09	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 20:09	1
Nickel	**0.00048**	**J**	0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 20:09	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:09	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 20:09	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 20:09	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:09	1
Vanadium	**0.0038**	**B**	0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 20:09	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 20:09	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:59	07/04/19 18:43	1

Client Sample ID: GWC-21

Date Collected: 06/25/19 14:05
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-20

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 20:13	1
Arsenic	**0.00037**	**J**	0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 20:13	1
Barium	**0.046**		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 20:13	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/09/19 20:13	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:13	1
Cobalt	**0.0028**		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 20:13	1
Chromium	**0.0021**		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 20:13	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 20:13	1
Nickel	**0.00085**	**J**	0.0010	0.00031	mg/L		06/28/19 06:53	07/09/19 20:13	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:13	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 20:13	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 20:13	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 20:13	1
Vanadium	**0.0021**		0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 20:13	1
Zinc	**0.0039**	**J**	0.0050	0.0032	mg/L		06/28/19 06:53	07/09/19 20:13	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:59	07/04/19 18:45	1

Client Sample ID: DUP-1

Lab Sample ID: 180-91948-21
Matrix: Water
Date Collected: 06/25/19 00:00
Date Received: 06/27/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:54	07/09/19 17:23	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:54	07/09/19 17:23	1
Barium	**0.0029**	**J**	0.010	0.0015	mg/L		06/28/19 06:54	07/09/19 17:23	1
Beryllium	**0.00041**	**J**	0.0010	0.00016	mg/L		06/28/19 06:54	07/09/19 17:23	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:23	1
Cobalt	**0.00012**	**J**	0.00050	0.000075	mg/L		06/28/19 06:54	07/09/19 17:23	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		06/28/19 06:54	07/09/19 17:23	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:54	07/09/19 17:23	1
Nickel	**0.00050**	**J**	0.0010	0.00031	mg/L		06/28/19 06:54	07/10/19 14:18	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:23	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:54	07/09/19 17:23	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:54	07/09/19 17:23	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:23	1
Vanadium	**0.0018**		0.0010	0.00090	mg/L		06/28/19 06:54	07/09/19 17:23	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:54	07/09/19 17:23	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:59	07/04/19 18:46	1

Client Sample ID: DUP-2

Lab Sample ID: 180-91948-22
Matrix: Water
Date Collected: 06/25/19 00:00
Date Received: 06/27/19 09:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:54	07/09/19 17:26	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:54	07/09/19 17:26	1
Barium	**0.033**		0.010	0.0015	mg/L		06/28/19 06:54	07/09/19 17:26	1
Beryllium	**0.00021**	**J**	0.0010	0.00016	mg/L		06/28/19 06:54	07/09/19 17:26	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:26	1
Cobalt	**0.00016**	**J**	0.00050	0.000075	mg/L		06/28/19 06:54	07/09/19 17:26	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		06/28/19 06:54	07/09/19 17:26	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:54	07/09/19 17:26	1
Nickel	<0.00031		0.0010	0.00031	mg/L		06/28/19 06:54	07/10/19 14:21	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:26	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:54	07/09/19 17:26	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:54	07/09/19 17:26	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:26	1
Vanadium	**0.0033**		0.0010	0.00090	mg/L		06/28/19 06:54	07/09/19 17:26	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:54	07/09/19 17:26	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:59	07/04/19 18:47	1

Client Sample ID: GWC-22

Date Collected: 06/25/19 12:52
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-23

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:54	07/09/19 17:30	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:54	07/09/19 17:30	1
Barium	**0.026**		0.010	0.0015	mg/L		06/28/19 06:54	07/09/19 17:30	1
Beryllium	**0.00017**	**J**	0.0010	0.00016	mg/L		06/28/19 06:54	07/09/19 17:30	1
Cadmium	**0.00057**	**J**	0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:30	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		06/28/19 06:54	07/09/19 17:30	1
Chromium	**0.0030**		0.0020	0.0015	mg/L		06/28/19 06:54	07/09/19 17:30	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:54	07/09/19 17:30	1
Nickel	**0.00031**	**J**	0.0010	0.00031	mg/L		06/28/19 06:54	07/10/19 14:24	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:30	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:54	07/09/19 17:30	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:54	07/09/19 17:30	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:30	1
Vanadium	**0.0092**		0.0010	0.00090	mg/L		06/28/19 06:54	07/09/19 17:30	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:54	07/09/19 17:30	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:59	07/04/19 18:48	1

Client Sample ID: FB-1-6-25-19

Date Collected: 06/25/19 11:40
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-24

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:54	07/09/19 17:33	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:54	07/09/19 17:33	1
Barium	<0.0015		0.010	0.0015	mg/L		06/28/19 06:54	07/09/19 17:33	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:54	07/09/19 17:33	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:33	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		06/28/19 06:54	07/09/19 17:33	1
Chromium	**0.0023**		0.0020	0.0015	mg/L		06/28/19 06:54	07/09/19 17:33	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:54	07/09/19 17:33	1
Nickel	<0.00031		0.0010	0.00031	mg/L		06/28/19 06:54	07/10/19 14:28	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:33	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:54	07/09/19 17:33	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:54	07/09/19 17:33	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:33	1
Vanadium	**0.0013**		0.0010	0.00090	mg/L		06/28/19 06:54	07/09/19 17:33	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:54	07/09/19 17:33	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:59	07/04/19 18:50	1

Client Sample ID: EB-2-6-25-19

Date Collected: 06/25/19 15:40
Date Received: 06/27/19 09:00

Lab Sample ID: 180-91948-25

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:54	07/09/19 17:43	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:54	07/09/19 17:43	1
Barium	<0.0015		0.010	0.0015	mg/L		06/28/19 06:54	07/09/19 17:43	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:54	07/10/19 14:31	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:43	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		06/28/19 06:54	07/09/19 17:43	1
Chromium	**0.0021**		0.0020	0.0015	mg/L		06/28/19 06:54	07/09/19 17:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:54	07/09/19 17:43	1
Nickel	<0.00031		0.0010	0.00031	mg/L		06/28/19 06:54	07/10/19 14:31	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:43	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:54	07/09/19 17:43	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:54	07/09/19 17:43	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 17:43	1
Vanadium	**0.0010**		0.0010	0.00090	mg/L		06/28/19 06:54	07/09/19 17:43	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:54	07/09/19 17:43	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:59	07/04/19 18:54	1

Method: EPA 6020 - Metals (ICP/MS)

Lab Sample ID: MB 180-283300/1-A
Matrix: Water
Analysis Batch: 284336

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:53	07/09/19 18:24	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:53	07/09/19 18:24	1
Barium	<0.0015		0.010	0.0015	mg/L		06/28/19 06:53	07/09/19 18:24	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 18:24	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		06/28/19 06:53	07/09/19 18:24	1
Chromium	<0.0015		0.0020	0.0015	mg/L		06/28/19 06:53	07/09/19 18:24	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:53	07/09/19 18:24	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 18:24	1
Antimony	<0.00038		0.0020	0.00038	mg/L		06/28/19 06:53	07/09/19 18:24	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:53	07/09/19 18:24	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:53	07/09/19 18:24	1
Vanadium	<0.00090		0.0010	0.00090	mg/L		06/28/19 06:53	07/09/19 18:24	1

Lab Sample ID: MB 180-283300/1-A
Matrix: Water
Analysis Batch: 284478

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:53	07/10/19 15:12	1
Nickel	0.000470	J	0.0010	0.00031	mg/L		06/28/19 06:53	07/10/19 15:12	1
Zinc	0.00334	J	0.0050	0.0032	mg/L		06/28/19 06:53	07/10/19 15:12	1

Lab Sample ID: LCS 180-283300/2-A
Matrix: Water
Analysis Batch: 284336

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.250	0.256		mg/L		102	80 - 120
Arsenic	1.00	0.983		mg/L		98	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Cadmium	0.500	0.518		mg/L		104	80 - 120
Cobalt	0.500	0.491		mg/L		98	80 - 120
Chromium	0.500	0.512		mg/L		102	80 - 120
Copper	0.500	0.484		mg/L		97	80 - 120
Lead	0.500	0.515		mg/L		103	80 - 120
Antimony	0.250	0.271		mg/L		108	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Thallium	1.00	1.06		mg/L		106	80 - 120
Vanadium	0.500	0.510	B	mg/L		102	80 - 120
Zinc	0.250	0.245	B	mg/L		98	80 - 120

Lab Sample ID: LCS 180-283300/2-A
Matrix: Water
Analysis Batch: 284478

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.500	0.510		mg/L		102	80 - 120
Nickel	0.500	0.521		mg/L		104	80 - 120
Zinc	0.250	0.271		mg/L		108	80 - 120

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

Lab Sample ID: 180-91948-1 MS
Matrix: Ground Water
Analysis Batch: 284336

Client Sample ID: GWA-1
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	<0.00012		0.250	0.255		mg/L		102	75 - 125
Arsenic	0.00054	J	1.00	0.967		mg/L		97	75 - 125
Barium	0.0096	J	1.00	1.03		mg/L		102	75 - 125
Cadmium	<0.00013		0.500	0.517		mg/L		103	75 - 125
Cobalt	0.00019	J	0.500	0.489		mg/L		98	75 - 125
Chromium	0.0042		0.500	0.507		mg/L		101	75 - 125
Copper	<0.00063		0.500	0.483		mg/L		97	75 - 125
Lead	<0.00013		0.500	0.510		mg/L		102	75 - 125
Antimony	<0.00038		0.250	0.270		mg/L		108	75 - 125
Selenium	<0.0026		1.00	1.02		mg/L		102	75 - 125
Thallium	0.00020	J	1.00	1.04		mg/L		104	75 - 125
Vanadium	0.0028	B	0.500	0.505	B	mg/L		100	75 - 125

Lab Sample ID: 180-91948-1 MS
Matrix: Ground Water
Analysis Batch: 284478

Client Sample ID: GWA-1
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.00029	J	0.500	0.519		mg/L		104	75 - 125
Nickel	0.00095	J B	0.500	0.520		mg/L		104	75 - 125
Zinc	0.0048	J B	0.250	0.271		mg/L		107	75 - 125

Lab Sample ID: 180-91948-1 MSD
Matrix: Ground Water
Analysis Batch: 284336

Client Sample ID: GWA-1
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	<0.00012		0.250	0.249		mg/L		100	75 - 125	2	20
Arsenic	0.00054	J	1.00	0.953		mg/L		95	75 - 125	2	20
Barium	0.0096	J	1.00	1.05		mg/L		104	75 - 125	1	20
Cadmium	<0.00013		0.500	0.517		mg/L		103	75 - 125	0	20
Cobalt	0.00019	J	0.500	0.483		mg/L		97	75 - 125	1	20
Chromium	0.0042		0.500	0.509		mg/L		101	75 - 125	0	20
Copper	<0.00063		0.500	0.474		mg/L		95	75 - 125	2	20
Lead	<0.00013		0.500	0.512		mg/L		102	75 - 125	0	20
Antimony	<0.00038		0.250	0.265		mg/L		106	75 - 125	2	20
Selenium	<0.0026		1.00	1.01		mg/L		101	75 - 125	1	20
Thallium	0.00020	J	1.00	1.05		mg/L		105	75 - 125	2	20
Vanadium	0.0028	B	0.500	0.507	B	mg/L		101	75 - 125	0	20

Lab Sample ID: 180-91948-1 MSD
Matrix: Ground Water
Analysis Batch: 284478

Client Sample ID: GWA-1
Prep Type: Total Recoverable
Prep Batch: 283300

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Beryllium	0.00029	J	0.500	0.521		mg/L		104	75 - 125	0	20
Nickel	0.00095	J B	0.500	0.514		mg/L		103	75 - 125	1	20
Zinc	0.0048	J B	0.250	0.265		mg/L		104	75 - 125	2	20

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

Lab Sample ID: MB 180-283301/1-A
Matrix: Water
Analysis Batch: 284336

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		06/28/19 06:54	07/09/19 16:42	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		06/28/19 06:54	07/09/19 16:42	1
Barium	<0.0015		0.010	0.0015	mg/L		06/28/19 06:54	07/09/19 16:42	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		06/28/19 06:54	07/09/19 16:42	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 16:42	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		06/28/19 06:54	07/09/19 16:42	1
Chromium	<0.0015		0.0020	0.0015	mg/L		06/28/19 06:54	07/09/19 16:42	1
Copper	<0.00063		0.0020	0.00063	mg/L		06/28/19 06:54	07/09/19 16:42	1
Nickel	<0.00031		0.0010	0.00031	mg/L		06/28/19 06:54	07/09/19 16:42	1
Lead	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 16:42	1
Antimony	0.00133	J	0.0020	0.00038	mg/L		06/28/19 06:54	07/09/19 16:42	1
Selenium	<0.0026		0.0050	0.0026	mg/L		06/28/19 06:54	07/09/19 16:42	1
Thallium	<0.00013		0.0010	0.00013	mg/L		06/28/19 06:54	07/09/19 16:42	1
Vanadium	<0.00090		0.0010	0.00090	mg/L		06/28/19 06:54	07/09/19 16:42	1
Zinc	<0.0032		0.0050	0.0032	mg/L		06/28/19 06:54	07/09/19 16:42	1

Lab Sample ID: MB 180-283301/1-A
Matrix: Water
Analysis Batch: 284478

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283301

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00031		0.0010	0.00031	mg/L		06/28/19 06:54	07/10/19 13:44	1

Lab Sample ID: LCS 180-283301/2-A
Matrix: Water
Analysis Batch: 284336

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283301

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.250	0.248		mg/L		99	80 - 120
Arsenic	1.00	0.974		mg/L		97	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Beryllium	0.500	0.475		mg/L		95	80 - 120
Cadmium	0.500	0.507		mg/L		101	80 - 120
Cobalt	0.500	0.481		mg/L		96	80 - 120
Chromium	0.500	0.501		mg/L		100	80 - 120
Copper	0.500	0.472		mg/L		94	80 - 120
Nickel	0.500	0.484	^	mg/L		97	80 - 120
Lead	0.500	0.508		mg/L		102	80 - 120
Antimony	0.250	0.264		mg/L		106	80 - 120
Selenium	1.00	1.01		mg/L		101	80 - 120
Thallium	1.00	1.03		mg/L		103	80 - 120
Vanadium	0.500	0.501		mg/L		100	80 - 120
Zinc	0.250	0.241		mg/L		97	80 - 120

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

Lab Sample ID: LCS 180-283301/2-A
Matrix: Water
Analysis Batch: 284478

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283301

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

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-283943/1-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:55	07/04/19 17:55	1

Lab Sample ID: LCS 180-283943/2-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283943

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00250	0.00251		mg/L		100	80 - 120		

Lab Sample ID: MB 180-283944/1-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/04/19 09:59	07/04/19 18:34	1

Lab Sample ID: LCS 180-283944/2-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283944

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00250	0.00252		mg/L		101	80 - 120		

Lab Sample ID: 180-91948-18 MS
Matrix: Ground Water
Analysis Batch: 283958

Client Sample ID: GWA-28
Prep Type: Total/NA
Prep Batch: 283944

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.00010		0.00100	0.000997		mg/L		100	75 - 125		

Lab Sample ID: 180-91948-18 MSD
Matrix: Ground Water
Analysis Batch: 283958

Client Sample ID: GWA-28
Prep Type: Total/NA
Prep Batch: 283944

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00010		0.00100	0.000981		mg/L		98	75 - 125	2	20

Metals

Prep Batch: 283300

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-1	GWA-1	Total Recoverable	Ground Water	3005A	
180-91948-2	GWA-2	Total Recoverable	Ground Water	3005A	
180-91948-3	GWA-3	Total Recoverable	Ground Water	3005A	
180-91948-4	GWA-29	Total Recoverable	Ground Water	3005A	
180-91948-5	EB-1-6-25-19	Total Recoverable	Water	3005A	
180-91948-6	GWC-25	Total Recoverable	Ground Water	3005A	
180-91948-7	GWC-7	Total Recoverable	Ground Water	3005A	
180-91948-8	GWC-8	Total Recoverable	Ground Water	3005A	
180-91948-9	GWC-26	Total Recoverable	Ground Water	3005A	
180-91948-10	GWC-9	Total Recoverable	Ground Water	3005A	
180-91948-11	FB-2-6-25-19	Total Recoverable	Water	3005A	
180-91948-12	GWA-4	Total Recoverable	Ground Water	3005A	
180-91948-13	GWC-13	Total Recoverable	Ground Water	3005A	
180-91948-14	GWC-14	Total Recoverable	Ground Water	3005A	
180-91948-15	GWC-15	Total Recoverable	Ground Water	3005A	
180-91948-16	GWC-16	Total Recoverable	Ground Water	3005A	
180-91948-17	GWC-17	Total Recoverable	Ground Water	3005A	
180-91948-18	GWA-28	Total Recoverable	Ground Water	3005A	
180-91948-19	GWC-20	Total Recoverable	Ground Water	3005A	
180-91948-20	GWC-21	Total Recoverable	Ground Water	3005A	
MB 180-283300/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-283300/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-91948-1 MS	GWA-1	Total Recoverable	Ground Water	3005A	
180-91948-1 MSD	GWA-1	Total Recoverable	Ground Water	3005A	

Prep Batch: 283301

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-21	DUP-1	Total Recoverable	Water	3005A	
180-91948-22	DUP-2	Total Recoverable	Water	3005A	
180-91948-23	GWC-22	Total Recoverable	Ground Water	3005A	
180-91948-24	FB-1-6-25-19	Total Recoverable	Water	3005A	
180-91948-25	EB-2-6-25-19	Total Recoverable	Water	3005A	
MB 180-283301/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-283301/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 283943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-1	GWA-1	Total/NA	Ground Water	7470A	
180-91948-2	GWA-2	Total/NA	Ground Water	7470A	
180-91948-3	GWA-3	Total/NA	Ground Water	7470A	
180-91948-4	GWA-29	Total/NA	Ground Water	7470A	
180-91948-5	EB-1-6-25-19	Total/NA	Water	7470A	
180-91948-6	GWC-25	Total/NA	Ground Water	7470A	
180-91948-7	GWC-7	Total/NA	Ground Water	7470A	
180-91948-8	GWC-8	Total/NA	Ground Water	7470A	
180-91948-9	GWC-26	Total/NA	Ground Water	7470A	
180-91948-10	GWC-9	Total/NA	Ground Water	7470A	
180-91948-11	FB-2-6-25-19	Total/NA	Water	7470A	
180-91948-12	GWA-4	Total/NA	Ground Water	7470A	
180-91948-13	GWC-13	Total/NA	Ground Water	7470A	
180-91948-14	GWC-14	Total/NA	Ground Water	7470A	

Metals (Continued)

Prep Batch: 283943 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-15	GWC-15	Total/NA	Ground Water	7470A	
180-91948-16	GWC-16	Total/NA	Ground Water	7470A	
180-91948-17	GWC-17	Total/NA	Ground Water	7470A	
MB 180-283943/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-283943/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 283944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-18	GWA-28	Total/NA	Ground Water	7470A	
180-91948-19	GWC-20	Total/NA	Ground Water	7470A	
180-91948-20	GWC-21	Total/NA	Ground Water	7470A	
180-91948-21	DUP-1	Total/NA	Water	7470A	
180-91948-22	DUP-2	Total/NA	Water	7470A	
180-91948-23	GWC-22	Total/NA	Ground Water	7470A	
180-91948-24	FB-1-6-25-19	Total/NA	Water	7470A	
180-91948-25	EB-2-6-25-19	Total/NA	Water	7470A	
MB 180-283944/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-283944/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-91948-18 MS	GWA-28	Total/NA	Ground Water	7470A	
180-91948-18 MSD	GWA-28	Total/NA	Ground Water	7470A	

Analysis Batch: 283958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-1	GWA-1	Total/NA	Ground Water	EPA 7470A	283943
180-91948-2	GWA-2	Total/NA	Ground Water	EPA 7470A	283943
180-91948-3	GWA-3	Total/NA	Ground Water	EPA 7470A	283943
180-91948-4	GWA-29	Total/NA	Ground Water	EPA 7470A	283943
180-91948-5	EB-1-6-25-19	Total/NA	Water	EPA 7470A	283943
180-91948-6	GWC-25	Total/NA	Ground Water	EPA 7470A	283943
180-91948-7	GWC-7	Total/NA	Ground Water	EPA 7470A	283943
180-91948-8	GWC-8	Total/NA	Ground Water	EPA 7470A	283943
180-91948-9	GWC-26	Total/NA	Ground Water	EPA 7470A	283943
180-91948-10	GWC-9	Total/NA	Ground Water	EPA 7470A	283943
180-91948-11	FB-2-6-25-19	Total/NA	Water	EPA 7470A	283943
180-91948-12	GWA-4	Total/NA	Ground Water	EPA 7470A	283943
180-91948-13	GWC-13	Total/NA	Ground Water	EPA 7470A	283943
180-91948-14	GWC-14	Total/NA	Ground Water	EPA 7470A	283943
180-91948-15	GWC-15	Total/NA	Ground Water	EPA 7470A	283943
180-91948-16	GWC-16	Total/NA	Ground Water	EPA 7470A	283943
180-91948-17	GWC-17	Total/NA	Ground Water	EPA 7470A	283943
180-91948-18	GWA-28	Total/NA	Ground Water	EPA 7470A	283944
180-91948-19	GWC-20	Total/NA	Ground Water	EPA 7470A	283944
180-91948-20	GWC-21	Total/NA	Ground Water	EPA 7470A	283944
180-91948-21	DUP-1	Total/NA	Water	EPA 7470A	283944
180-91948-22	DUP-2	Total/NA	Water	EPA 7470A	283944
180-91948-23	GWC-22	Total/NA	Ground Water	EPA 7470A	283944
180-91948-24	FB-1-6-25-19	Total/NA	Water	EPA 7470A	283944
180-91948-25	EB-2-6-25-19	Total/NA	Water	EPA 7470A	283944
MB 180-283943/1-A	Method Blank	Total/NA	Water	EPA 7470A	283943
MB 180-283944/1-A	Method Blank	Total/NA	Water	EPA 7470A	283944
LCS 180-283943/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	283943

Metals (Continued)

Analysis Batch: 283958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-283944/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	283944
180-91948-18 MS	GWA-28	Total/NA	Ground Water	EPA 7470A	283944
180-91948-18 MSD	GWA-28	Total/NA	Ground Water	EPA 7470A	283944

Analysis Batch: 284336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-1	GWA-1	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-2	GWA-2	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-3	GWA-3	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-4	GWA-29	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-5	EB-1-6-25-19	Total Recoverable	Water	EPA 6020	283300
180-91948-6	GWC-25	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-7	GWC-7	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-8	GWC-8	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-9	GWC-26	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-10	GWC-9	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-11	FB-2-6-25-19	Total Recoverable	Water	EPA 6020	283300
180-91948-12	GWA-4	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-13	GWC-13	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-14	GWC-14	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-15	GWC-15	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-16	GWC-16	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-17	GWC-17	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-18	GWA-28	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-19	GWC-20	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-20	GWC-21	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-21	DUP-1	Total Recoverable	Water	EPA 6020	283301
180-91948-22	DUP-2	Total Recoverable	Water	EPA 6020	283301
180-91948-23	GWC-22	Total Recoverable	Ground Water	EPA 6020	283301
180-91948-24	FB-1-6-25-19	Total Recoverable	Water	EPA 6020	283301
180-91948-25	EB-2-6-25-19	Total Recoverable	Water	EPA 6020	283301
MB 180-283300/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283300
MB 180-283301/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283301
LCS 180-283300/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283300
LCS 180-283301/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283301
180-91948-1 MS	GWA-1	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-1 MSD	GWA-1	Total Recoverable	Ground Water	EPA 6020	283300

Analysis Batch: 284478

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-91948-1	GWA-1	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-2	GWA-2	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-3	GWA-3	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-4	GWA-29	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-5	EB-1-6-25-19	Total Recoverable	Water	EPA 6020	283300
180-91948-6	GWC-25	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-21	DUP-1	Total Recoverable	Water	EPA 6020	283301
180-91948-22	DUP-2	Total Recoverable	Water	EPA 6020	283301
180-91948-23	GWC-22	Total Recoverable	Ground Water	EPA 6020	283301
180-91948-24	FB-1-6-25-19	Total Recoverable	Water	EPA 6020	283301
180-91948-25	EB-2-6-25-19	Total Recoverable	Water	EPA 6020	283301

Metals (Continued)

Analysis Batch: 284478 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-283300/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283300
MB 180-283301/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283301
LCS 180-283300/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283300
LCS 180-283301/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283301
180-91948-1 MS	GWA-1	Total Recoverable	Ground Water	EPA 6020	283300
180-91948-1 MSD	GWA-1	Total Recoverable	Ground Water	EPA 6020	283300

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

681-Atlanta

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: O. FUQUEA, ~~C. PARKER~~ H. AULD	Lab PM: Bortot, Veronica	Carrier Tracking No(s): All to TA - ATL ccr	COC No:
Client Contact: Joju Abraham	Phone: (770) 594-5998	E-Mail: veronica.bortot@testamericainc.com		Page:
Company: Southern Company				Job #:
Address: PO BOX 2641 GSC8	Due Date Requested:			
City: Birmingham	TAT Requested (days): 3 Day			
State, Zip: AL, 35291				
Phone:	PO #: SCS10347656			
Email: JAbraham@southernco.com	WO #:			
Project Name: CCR - Plant Wansley - Landfill	Project #: 40007709			
Site: Georgia	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As,B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	D	X	
GWA-1	6-24-19	1630	G	Water	N	N	✓	✓	2	APP III PLUS STATE METALS LIST
GWA-2	6-24-19	1455	G	Water	N	N	✓	✓	2	
GWA-3	6-25-19	1000	G	Water	N	N	✓	✓	2	
GWA-29	6-25-19	1145	G	Water	N	N	✓	✓	2	
EB-1-6-25-19	6-25-19	1200	G	Water	N	N	✓	✓	2	
GWC-25	6-25-19	1300	G	Water	N	N	✓	✓	2	
GWL-7	6-25-19	1115	G	Water	N	N	✓	✓	2	
GWC-8	6-25-19	1710	G	Water	N	N	✓	✓	2	
GWC-26	6-25-19	1420	G	Water	N	N	✓	✓	2	
GWC-9	6-25-19	1460	G	Water	N	N	✓	✓	2	
FB-2-6-25-19	6-25-19	1535	G	Water	N	N	✓	✓	2	

180-91948 Chain of Custody

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

Sample Disposal (A fee may be assessed if samples are retained longer tha
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ____

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	6-26-19 / 13:00	ACC	[signature]	6/26/19 13:00	ETA
[signature] 6/26/19	Date/Time: 16:00	Company ETA	Received by: [signature]	Date/Time: 6-27-19	Company TAPIT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 900	Company

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

Ver: 08/04/2016

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

681-Atlanta

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: C. Parker, R. Walker	Lab PM: Bortot, Veronica	Carrier Tracking No(s): ACC to TA ATL cc.	COC No:
Client Contact: Joju Abraham	Phone: 770) 594-5898	E-Mail: veronica.bortot@testamericainc.com		Page:
Company: Southern Company				Job #:
Address: PO BOX 2641 GSC8	Due Date Requested:			
City: Birmingham	TAT Requested (days): 3 Day			
State, Zip: AL, 35291				
Phone:	PO #: SCS10347656			
Email: JAbraham@southernco.com	WO #:			
Project Name: CCR - Plant Wansley - Landfill	Project #: 40007709			
Site: Georgia	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As,B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D		
GWA-4	6-24-19	1710	G	Water	N	N	1	1	2	APP III PLUS STATE METALS LIST
GWC-13	6-25-19	1055	G	Water	N	N	1	1	2	
GWC-14	6-25-19	1210	G	Water	N	N	1	1	2	
GWC-15	6-25-19	1320	G	Water	N	N	1	1	2	
GWC-16	6-25-19	1425	G	Water	N	N	1	1	2	
GWC-17	6-25-19	1640	G	Water	N	N	1	1	2	
GWA-28	6-25-19	1100	G	Water	N	N	1	1	2	
GWC-20	6-25-19	1648	G	Water	N	N	1	1	2	
GWC-21	6-25-19	1405	G	Water	N	N	1	1	2	
Dup-1	6-25-19	—	G	Water	N	N	1	1	2	
Dup-2	6-25-19	—	G	Water	N	N	1	1	2	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
C Parker BW	6-26-19 / 1°	ACC	6/26/19	13:20	ETA
Relinquished by: 6/26/19	Date/Time: 16:00	Company ETA	Received by:	Date/Time: 6-27-19	Company TAP 1
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 900	Company

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

Ver: 08/04/2016

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

681-Atlanta

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: C. Parker, R. Walker	Lab PM: Bortot, Veronica	Carrier Tracking No(s): Acc to TA ATL - C.C.	COC No:
Client Contact: Joju Abraham	Phone: 770)594-5998	E-Mail: veronica.bortot@testamericainc.com		Page:
Company: Southern Company		Analysis Requested		Job #:
Address: PO BOX 2641 GSC8	Due Date Requested:			Preservation Codes:
City: Birmingham	TAT Requested (days): 3 Day			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: AL, 35291				
Phone:	PO #: SCS10347656			Other:
Email: JAbraham@southernco.com	WO #:			
Project Name: CCR - Plant Wansley - Landfill	Project #: 40007709			
Site: Georgia	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As,B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	D	X	
GWC-22	6-25-19	1252	G	Water	N	N	1	1	2	APP III PLUS STATE METALS LIST
FB-1-6-25-19	6-25-19	1140	G	Water	N	N	1	1	2	FB-1-6-25-19
EB-2-6-25-19	6-25-19	1540	G	Water	N	N	1	1	2	
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6-26-19 / 13:00	ACC		6/26/19 13:00	ETA
Relinquished by: 6/26/19	Date/Time: 16:00	Company ETA	Received by:	Date/Time: 6-27-19 900	Company TALLT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 08/04/2016

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-91948-2
SDG Number: State Metals

Login Number: 91948
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh

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

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 180-92055-1
Laboratory Sample Delivery Group: App III
Client Project/Site: CCR - Plant Wansley

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

Attn: Joju Abraham

Authorized for release by:
7/9/2019 12:07:33 PM

Veronica Bortot, Senior Project Manager
(412)963-2435
veronica.bortot@testamericainc.com

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.

PA Lab ID: 02-00416

Table of Contents

Job ID: 180-92055-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-92055-1

Comments
No additional comments.

Receipt
The samples were received on 6/28/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.3º C and 2.5º C.

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

Metals
Method(s) 6020, 6020A: The continuing calibration verification (CCV) associated with batch 180-284064 recovered above the upper control limit for boron. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 6020, 6020A: The continuing calibration blank (CCB) associated with batch 180-284064 recovered above the upper control limit for boron. The samples associated with this CCB were non-detects for the affected analytes; therefore, the data have been reported.

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

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

Definitions/Glossary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-1
SDG: App III

Qualifiers

HPLC/IC

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

Metals

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

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-1
SDG: App III

Laboratory: Eurofins TestAmerica, Pittsburgh

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
Arkansas DEQ	State Program	6	88-0690	06-27-20
California	State		2891	04-30-20
California	State Program	9	2891	04-30-20
Connecticut	State Program	1	PH-0688	09-30-20
Florida	NELAP	4	E871008	06-30-20
Florida	NELAP		E871008	06-30-20
Illinois	NELAP	5	200005	06-30-20
Illinois	NELAP		004375	06-30-20
Kansas	NELAP	7	E-10350	01-31-20
Kentucky (UST)	State Program	4	162013	04-30-20
Kentucky (WW)	State Program	4	KY98043	12-31-19
Louisiana	NELAP	6	04041	06-30-20
Minnesota	NELAP Secondary AB	5	042-999-482	12-31-19
Nevada	State		PA00164	07-31-19
Nevada	State Program	9	PA00164	07-31-19
New Hampshire	NELAP	1	2030	04-04-20
New Jersey	NELAP	2	PA005	06-30-20
New York	NELAP	2	11182	03-31-20
New York	NELAP		11182	04-01-20
North Carolina (WW/SW)	State Program	4	434	12-31-19
Oregon	NELAP	10	PA-2151	02-06-20
Oregon	NELAP		PA-2151	02-06-20
Pennsylvania	NELAP	3	02-00416	04-30-20
Pennsylvania	NELAP		02-00416	04-30-20
Rhode Island	State		LAO00362	12-30-19
Rhode Island	State Program	1	LAO00362	12-30-19
South Carolina	State Program	4	89014	04-30-20
Texas	NELAP	6	T104704528-15-2	03-31-20
Texas	NELAP		T104704528	03-31-20
US Fish & Wildlife	Federal		LE94312A-1	07-31-19
US Fish & Wildlife	US Federal Programs		058448	07-31-20
USDA	Federal		P-Soil-01	06-26-22
Utah	NELAP	8	PA001462015-4	05-31-20
Virginia	NELAP	3	460189	09-14-19
Virginia	NELAP		10043	09-14-19
West Virginia DEP	State		142	01-31-20
West Virginia DEP	State Program	3	142	01-31-20
Wisconsin	State		998027800	08-31-19
Wisconsin	State Program	5	998027800	08-31-19

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-1
SDG: App III

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-92055-1	GWC-35	Ground Water	06/26/19 10:40	06/28/19 09:00	
180-92055-2	GWC-34	Ground Water	06/26/19 11:50	06/28/19 09:00	
180-92055-3	GWC-33	Ground Water	06/26/19 13:45	06/28/19 09:00	
180-92055-4	GWC-23	Ground Water	06/26/19 12:46	06/28/19 09:00	
180-92055-5	GWC-32	Ground Water	06/27/19 10:05	06/28/19 09:00	
180-92055-6	GWC-30	Ground Water	06/27/19 11:10	06/28/19 09:00	
180-92055-7	GWC-18	Ground Water	06/27/19 10:25	06/28/19 09:00	
180-92055-8	EB-4-6-27-19	Water	06/27/19 10:10	06/28/19 09:00	
180-92055-9	FB-4-6-27-19	Water	06/27/19 09:55	06/28/19 09:00	
180-92055-10	DUP-3	Water	06/27/19 00:00	06/28/19 09:00	
180-92055-11	DUP-4	Water	06/27/19 00:00	06/28/19 09:00	

Method Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-1
SDG: App III

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-1
SDG: App III

Client Sample ID: GWC-35
Date Collected: 06/26/19 10:40
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 13:20	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:02	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283618	07/01/19 18:25	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-34
Date Collected: 06/26/19 11:50
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 13:36	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:16	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283618	07/01/19 18:25	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-33
Date Collected: 06/26/19 13:45
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 13:51	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:19	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283618	07/01/19 18:25	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-23
Date Collected: 06/26/19 12:46
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 14:07	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:23	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283618	07/01/19 18:25	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-1
SDG: App III

Client Sample ID: GWC-32
Date Collected: 06/27/19 10:05
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 15:26	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:33	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283889	07/03/19 14:22	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-30
Date Collected: 06/27/19 11:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 16:14	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:36	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283897	07/03/19 15:20	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-18
Date Collected: 06/27/19 10:25
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 16:30	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:40	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283915	07/03/19 18:02	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-4-6-27-19
Date Collected: 06/27/19 10:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 14:55	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:43	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283897	07/03/19 15:20	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-1
SDG: App III

Client Sample ID: FB-4-6-27-19

Date Collected: 06/27/19 09:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 15:11	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:47	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283897	07/03/19 15:20	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-3

Date Collected: 06/27/19 00:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 16:45	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:50	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283915	07/03/19 18:02	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: DUP-4

Date Collected: 06/27/19 00:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 17:01	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:54	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283897	07/03/19 15:20	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

RJR = Ron Rosenbaum

Batch Type: Analysis

AVS = Abbey Smith
MJH = Matthew Hartman
RSK = Robert Kurtz
TAM = Tessa Mastalski

Client Sample ID: GWC-35
Date Collected: 06/26/19 10:40
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-1
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.4		1.0	0.71	mg/L			07/01/19 13:20	1
Fluoride	0.045	J	0.20	0.026	mg/L			07/01/19 13:20	1
Sulfate	2.8		1.0	0.38	mg/L			07/01/19 13:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		07/01/19 07:54	07/05/19 15:02	1
Calcium	2.0		0.50	0.12	mg/L		07/01/19 07:54	07/05/19 15:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	46		10	10	mg/L			07/01/19 18:25	1

Client Sample ID: GWC-34
Date Collected: 06/26/19 11:50
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-2
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.2		1.0	0.71	mg/L			07/01/19 13:36	1
Fluoride	0.11	J	0.20	0.026	mg/L			07/01/19 13:36	1
Sulfate	1.9		1.0	0.38	mg/L			07/01/19 13:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		07/01/19 07:54	07/05/19 15:16	1
Calcium	2.8		0.50	0.12	mg/L		07/01/19 07:54	07/05/19 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	61		10	10	mg/L			07/01/19 18:25	1

Client Sample ID: GWC-33
Date Collected: 06/26/19 13:45
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-3
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.2		1.0	0.71	mg/L			07/01/19 13:51	1
Fluoride	2.4		0.20	0.026	mg/L			07/01/19 13:51	1
Sulfate	10		1.0	0.38	mg/L			07/01/19 13:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		07/01/19 07:54	07/05/19 15:19	1
Calcium	19		0.50	0.12	mg/L		07/01/19 07:54	07/05/19 15:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	100		10	10	mg/L			07/01/19 18:25	1

Client Sample ID: GWC-23
Date Collected: 06/26/19 12:46
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-4
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.0		1.0	0.71	mg/L			07/01/19 14:07	1
Fluoride	0.042	J	0.20	0.026	mg/L			07/01/19 14:07	1
Sulfate	0.64	J	1.0	0.38	mg/L			07/01/19 14:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		07/01/19 07:54	07/05/19 15:23	1
Calcium	3.6		0.50	0.12	mg/L		07/01/19 07:54	07/05/19 15:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	44		10	10	mg/L			07/01/19 18:25	1

Client Sample ID: GWC-32
Date Collected: 06/27/19 10:05
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-5
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.1		1.0	0.71	mg/L			07/01/19 15:26	1
Fluoride	2.0		0.20	0.026	mg/L			07/01/19 15:26	1
Sulfate	9.9		1.0	0.38	mg/L			07/01/19 15:26	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030	^	0.080	0.030	mg/L		07/01/19 07:54	07/05/19 15:33	1
Calcium	7.6		0.50	0.12	mg/L		07/01/19 07:54	07/05/19 15:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	47		10	10	mg/L			07/03/19 14:22	1

Client Sample ID: GWC-30
Date Collected: 06/27/19 11:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-6
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4		1.0	0.71	mg/L			07/01/19 16:14	1
Fluoride	0.073	J	0.20	0.026	mg/L			07/01/19 16:14	1
Sulfate	1.7		1.0	0.38	mg/L			07/01/19 16:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030	^	0.080	0.030	mg/L		07/01/19 07:54	07/05/19 15:36	1
Calcium	3.6		0.50	0.12	mg/L		07/01/19 07:54	07/05/19 15:36	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	30		10	10	mg/L			07/03/19 15:20	1

Client Sample ID: GWC-18
Date Collected: 06/27/19 10:25
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-7
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.6**		1.0	0.71	mg/L			07/01/19 16:30	1
Fluoride	**0.046**	**J**	0.20	0.026	mg/L			07/01/19 16:30	1
Sulfate	**0.85**	**J**	1.0	0.38	mg/L			07/01/19 16:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030	^	0.080	0.030	mg/L		07/01/19 07:54	07/05/19 15:40	1
Calcium	**7.0**		0.50	0.12	mg/L		07/01/19 07:54	07/05/19 15:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**77**		10	10	mg/L			07/03/19 18:02	1

Client Sample ID: EB-4-6-27-19
Date Collected: 06/27/19 10:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-8
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/01/19 14:55	1
Fluoride	**0.041**	**J**	0.20	0.026	mg/L			07/01/19 14:55	1
Sulfate	<0.38		1.0	0.38	mg/L			07/01/19 14:55	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030	^	0.080	0.030	mg/L		07/01/19 07:54	07/05/19 15:43	1
Calcium	**0.13**	**J**	0.50	0.12	mg/L		07/01/19 07:54	07/05/19 15:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			07/03/19 15:20	1

Client Sample ID: FB-4-6-27-19
Date Collected: 06/27/19 09:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-9
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/01/19 15:11	1
Fluoride	**0.031**	**J**	0.20	0.026	mg/L			07/01/19 15:11	1
Sulfate	<0.38		1.0	0.38	mg/L			07/01/19 15:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030	^	0.080	0.030	mg/L		07/01/19 07:54	07/05/19 15:47	1
Calcium	<0.12		0.50	0.12	mg/L		07/01/19 07:54	07/05/19 15:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			07/03/19 15:20	1

Client Sample ID: DUP-3

Lab Sample ID: 180-92055-10
Date Collected: 06/27/19 00:00
Matrix: Water
Date Received: 06/28/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.2		1.0	0.71	mg/L			07/01/19 16:45	1
Fluoride	0.10	J	0.20	0.026	mg/L			07/01/19 16:45	1
Sulfate	1.9		1.0	0.38	mg/L			07/01/19 16:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030	^	0.080	0.030	mg/L		07/01/19 07:54	07/05/19 15:50	1
Calcium	2.9		0.50	0.12	mg/L		07/01/19 07:54	07/05/19 15:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	41		10	10	mg/L			07/03/19 18:02	1

Client Sample ID: DUP-4

Lab Sample ID: 180-92055-11
Date Collected: 06/27/19 00:00
Matrix: Water
Date Received: 06/28/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.6		1.0	0.71	mg/L			07/01/19 17:01	1
Fluoride	0.047	J	0.20	0.026	mg/L			07/01/19 17:01	1
Sulfate	0.70	J	1.0	0.38	mg/L			07/01/19 17:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030	^	0.080	0.030	mg/L		07/01/19 07:54	07/05/19 15:54	1
Calcium	7.2		0.50	0.12	mg/L		07/01/19 07:54	07/05/19 15:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	64		10	10	mg/L			07/03/19 15:20	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-283485/17
Matrix: Water
Analysis Batch: 283485

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/01/19 11:45	1
Fluoride	<0.026		0.20	0.026	mg/L			07/01/19 11:45	1
Sulfate	<0.38		1.0	0.38	mg/L			07/01/19 11:45	1

Lab Sample ID: LCS 180-283485/16
Matrix: Water
Analysis Batch: 283485

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	24.8		mg/L		99	90 - 110
Fluoride	1.25	1.20		mg/L		96	90 - 110
Sulfate	25.0	25.0		mg/L		100	90 - 110

Lab Sample ID: 180-92055-5 MS
Matrix: Ground Water
Analysis Batch: 283485

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.1		25.0	26.8		mg/L		103	80 - 120
Fluoride	2.0		1.25	3.30		mg/L		104	80 - 120
Sulfate	9.9		25.0	35.5		mg/L		102	80 - 120

Lab Sample ID: 180-92055-5 MSD
Matrix: Ground Water
Analysis Batch: 283485

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.1		25.0	26.2		mg/L		100	80 - 120	2	20
Fluoride	2.0		1.25	3.24		mg/L		100	80 - 120	2	20
Sulfate	9.9		25.0	34.6		mg/L		99	80 - 120	3	20

Method: EPA 6020 - Metals (ICP/MS)

Lab Sample ID: MB 180-283521/1-A
Matrix: Water
Analysis Batch: 284092

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.12		0.50	0.12	mg/L		07/01/19 07:54	07/06/19 10:33	1

Lab Sample ID: LCS 180-283521/2-A
Matrix: Water
Analysis Batch: 284092

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.27		mg/L		102	80 - 120
Calcium	25.0	26.3		mg/L		105	80 - 120

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

Lab Sample ID: 180-92055-1 MS
Matrix: Ground Water
Analysis Batch: 284064

Client Sample ID: GWC-35
Prep Type: Total Recoverable
Prep Batch: 283521

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	<0.030		1.25	1.15		mg/L		92	75 - 125
Calcium	2.0		25.0	27.4		mg/L		102	75 - 125

Lab Sample ID: 180-92055-1 MSD
Matrix: Ground Water
Analysis Batch: 284064

Client Sample ID: GWC-35
Prep Type: Total Recoverable
Prep Batch: 283521

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	<0.030		1.25	1.16		mg/L		93	75 - 125	1	20
Calcium	2.0		25.0	27.8		mg/L		103	75 - 125	1	20

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

Lab Sample ID: MB 180-283618/2
Matrix: Water
Analysis Batch: 283618

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			07/01/19 18:25	1

Lab Sample ID: LCS 180-283618/1
Matrix: Water
Analysis Batch: 283618

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	201	208		mg/L		103	80 - 120

Lab Sample ID: MB 180-283889/2
Matrix: Water
Analysis Batch: 283889

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			07/03/19 14:22	1

Lab Sample ID: LCS 180-283889/1
Matrix: Water
Analysis Batch: 283889

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	201	240		mg/L		119	80 - 120

Lab Sample ID: MB 180-283897/2
Matrix: Water
Analysis Batch: 283897

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			07/03/19 15:20	1

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

Lab Sample ID: LCS 180-283897/1
Matrix: Water
Analysis Batch: 283897

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	201	170		mg/L		85	80 - 120

Lab Sample ID: MB 180-283915/2
Matrix: Water
Analysis Batch: 283915

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			07/03/19 18:02	1

Lab Sample ID: LCS 180-283915/1
Matrix: Water
Analysis Batch: 283915

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	201	176		mg/L		88	80 - 120

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-1
SDG: App III

HPLC/IC

Analysis Batch: 283485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-1	GWC-35	Total/NA	Ground Water	300.0	
180-92055-2	GWC-34	Total/NA	Ground Water	300.0	
180-92055-3	GWC-33	Total/NA	Ground Water	300.0	
180-92055-4	GWC-23	Total/NA	Ground Water	300.0	
180-92055-5	GWC-32	Total/NA	Ground Water	300.0	
180-92055-6	GWC-30	Total/NA	Ground Water	300.0	
180-92055-7	GWC-18	Total/NA	Ground Water	300.0	
180-92055-8	EB-4-6-27-19	Total/NA	Water	300.0	
180-92055-9	FB-4-6-27-19	Total/NA	Water	300.0	
180-92055-10	DUP-3	Total/NA	Water	300.0	
180-92055-11	DUP-4	Total/NA	Water	300.0	
MB 180-283485/17	Method Blank	Total/NA	Water	300.0	
LCS 180-283485/16	Lab Control Sample	Total/NA	Water	300.0	
180-92055-5 MS	GWC-32	Total/NA	Ground Water	300.0	
180-92055-5 MSD	GWC-32	Total/NA	Ground Water	300.0	

Metals

Prep Batch: 283521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-1	GWC-35	Total Recoverable	Ground Water	3005A	
180-92055-2	GWC-34	Total Recoverable	Ground Water	3005A	
180-92055-3	GWC-33	Total Recoverable	Ground Water	3005A	
180-92055-4	GWC-23	Total Recoverable	Ground Water	3005A	
180-92055-5	GWC-32	Total Recoverable	Ground Water	3005A	
180-92055-6	GWC-30	Total Recoverable	Ground Water	3005A	
180-92055-7	GWC-18	Total Recoverable	Ground Water	3005A	
180-92055-8	EB-4-6-27-19	Total Recoverable	Water	3005A	
180-92055-9	FB-4-6-27-19	Total Recoverable	Water	3005A	
180-92055-10	DUP-3	Total Recoverable	Water	3005A	
180-92055-11	DUP-4	Total Recoverable	Water	3005A	
MB 180-283521/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-283521/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-92055-1 MS	GWC-35	Total Recoverable	Ground Water	3005A	
180-92055-1 MSD	GWC-35	Total Recoverable	Ground Water	3005A	

Analysis Batch: 284064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-1	GWC-35	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-2	GWC-34	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-3	GWC-33	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-4	GWC-23	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-5	GWC-32	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-6	GWC-30	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-7	GWC-18	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-8	EB-4-6-27-19	Total Recoverable	Water	EPA 6020	283521
180-92055-9	FB-4-6-27-19	Total Recoverable	Water	EPA 6020	283521
180-92055-10	DUP-3	Total Recoverable	Water	EPA 6020	283521
180-92055-11	DUP-4	Total Recoverable	Water	EPA 6020	283521
180-92055-1 MS	GWC-35	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-1 MSD	GWC-35	Total Recoverable	Ground Water	EPA 6020	283521

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-1
SDG: App III

Metals

Analysis Batch: 284092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-283521/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283521
LCS 180-283521/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283521

General Chemistry

Analysis Batch: 283618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-1	GWC-35	Total/NA	Ground Water	SM 2540C	
180-92055-2	GWC-34	Total/NA	Ground Water	SM 2540C	
180-92055-3	GWC-33	Total/NA	Ground Water	SM 2540C	
180-92055-4	GWC-23	Total/NA	Ground Water	SM 2540C	
MB 180-283618/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-283618/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 283889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-5	GWC-32	Total/NA	Ground Water	SM 2540C	
MB 180-283889/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-283889/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 283897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-6	GWC-30	Total/NA	Ground Water	SM 2540C	
180-92055-8	EB-4-6-27-19	Total/NA	Water	SM 2540C	
180-92055-9	FB-4-6-27-19	Total/NA	Water	SM 2540C	
180-92055-11	DUP-4	Total/NA	Water	SM 2540C	
MB 180-283897/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-283897/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 283915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-7	GWC-18	Total/NA	Ground Water	SM 2540C	
180-92055-10	DUP-3	Total/NA	Water	SM 2540C	
MB 180-283915/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-283915/1	Lab Control Sample	Total/NA	Water	SM 2540C	

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

TestAmerica THE LEADER IN ENVIRO.

Client Information	Sampler: C. Parker, R. Walker	Lab PM: Bortot, Veronica	Carrier Tracking No(s): ACC to TA - ATL cc	COC No:
Client Contact: Joju Abraham	Phone: 770 594 - 5998	E-Mail: veronica.bortot@testamericainc.com		Page:
Company: Southern Company		Analysis Requested		Job #:
Address: PO BOX 2641 GSC8	Due Date Requested:			Preservation Codes:
City: Birmingham	TAT Requested (days): 3 Day			
State, Zip: AL, 35291				
Phone:	PO #: SCS10347656			
Email: JAbraham@southernco.com	WO #:			
Project Name: CCR - Plant Wansley - Landfill	Project #: 40007709			
Site: Georgia	SSOW#:			

180-92055 Chain of Custody

K - EDTA V - MCAA
L - EDA W - pH 4-5
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As,B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D		
GWC-35	6-26-19	1040	G	Water	N	N	1	1	2	APP III PLUS STATE METALS LIST
GWC-34	6-26-19	1150	G	Water	N	N	1	1	2	
GWC-33	6-26-19	1345	G	Water	N	N	1	1	2	
GWC-23	6-26-19	1246	G	Water	N	N	1	1	2	
GWC-32	6-27-19	1005	G	Water	N	N	✓	✓	2	
GWC-30	6-27-19	1110	G	Water	N	N	✓	✓	2	
GWC-18	6-27-19	1025	G	Water	N	N	✓	✓	2	
EB-4-6-27-19	6-27-19	1010	G	Water	N	N	✓	✓	2	
FB-4-6-27-19	6-27-19	0955	G	Water	N	N	✓	✓	2	
DUP-3	—	—	G	Water	N	N	✓	✓	2	
DUP-4	—	—	G	Water	N	N	✓	✓	2	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6-27-19 1515	ACC		6/27/19 1545	ETA
2		6/27/19 1530	ETA		6-28-19	TAPitt
3					900	

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

Ver: 08/04/2016

eurofins | En Te

ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE

NORCROSS, GA 30093
UNITED STATES US

TO **SAMPLE RECEIVING**
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO:

180-92055 Waybill

FedEx Express

1 of 2

TRK# 0201 **4651 0082 5408**

FRI - 28 JUN 3:00P
STANDARD OVERNIGHT

MASTER

NA AGCA

15238
PA-US **PIT**

Uncorrected temp 2.6 °C
Thermometer ID 10
CF -0.3 Initials TB

PT-VI-SR-001 effective 11/8/18


ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE
NORCROSS, GA 30093
UNITED STATES US
SHIP DATE: 27JUN19
ACTWGT: 54.25 LB
CAD: 859116/CAFE3211
BILL THIRD PARTY
TO SAMPLE RECEIVING
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF:
INV:
PO:
FRI - 28 JUN 3:00P
STANDARD OVERNIGHT
15238
PIT
PA-US
2 of 2
MPS# 4651 0082 5410
Mstr# 4651 0082 5408
Uncorrected temp
Thermometer ID
Initials
CF
PT-WI-SR-001 effective 11/5/18

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-92055-1
SDG Number: App III

Login Number: 92055
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 180-92055-2
Laboratory Sample Delivery Group: State Metals
Client Project/Site: CCR - Plant Wansley

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

Attn: Joju Abraham

Authorized for release by:
7/9/2019 12:08:42 PM

Veronica Bortot, Senior Project Manager
(412)963-2435
veronica.bortot@testamericainc.com

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.

PA Lab ID: 02-00416

Table of Contents

Definitions/Glossary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-2
SDG: State Metals

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

Accreditation/Certification Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-2
SDG: State Metals

Laboratory: Eurofins TestAmerica, Pittsburgh

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
Arkansas DEQ	State Program	6	88-0690	06-27-20
California	State		2891	04-30-20
California	State Program	9	2891	04-30-20
Connecticut	State Program	1	PH-0688	09-30-20
Florida	NELAP	4	E871008	06-30-20
Florida	NELAP		E871008	06-30-20
Illinois	NELAP	5	200005	06-30-20
Illinois	NELAP		004375	06-30-20
Kansas	NELAP	7	E-10350	01-31-20
Kentucky (UST)	State Program	4	162013	04-30-20
Kentucky (WW)	State Program	4	KY98043	12-31-19
Louisiana	NELAP	6	04041	06-30-20
Minnesota	NELAP Secondary AB	5	042-999-482	12-31-19
Nevada	State		PA00164	07-31-19
Nevada	State Program	9	PA00164	07-31-19
New Hampshire	NELAP	1	2030	04-04-20
New Jersey	NELAP	2	PA005	06-30-20
New York	NELAP	2	11182	03-31-20
New York	NELAP		11182	04-01-20
North Carolina (WW/SW)	State Program	4	434	12-31-19
Oregon	NELAP	10	PA-2151	02-06-20
Oregon	NELAP		PA-2151	02-06-20
Pennsylvania	NELAP	3	02-00416	04-30-20
Pennsylvania	NELAP		02-00416	04-30-20
Rhode Island	State		LAO00362	12-30-19
Rhode Island	State Program	1	LAO00362	12-30-19
South Carolina	State Program	4	89014	04-30-20
Texas	NELAP	6	T104704528-15-2	03-31-20
Texas	NELAP		T104704528	03-31-20
US Fish & Wildlife	Federal		LE94312A-1	07-31-19
US Fish & Wildlife	US Federal Programs		058448	07-31-20
USDA	Federal		P-Soil-01	06-26-22
Utah	NELAP	8	PA001462015-4	05-31-20
Virginia	NELAP	3	460189	09-14-19
Virginia	NELAP		10043	09-14-19
West Virginia DEP	State		142	01-31-20
West Virginia DEP	State Program	3	142	01-31-20
Wisconsin	State		998027800	08-31-19
Wisconsin	State Program	5	998027800	08-31-19

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-2
SDG: State Metals

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-92055-1	GWC-35	Ground Water	06/26/19 10:40	06/28/19 09:00	
180-92055-2	GWC-34	Ground Water	06/26/19 11:50	06/28/19 09:00	
180-92055-3	GWC-33	Ground Water	06/26/19 13:45	06/28/19 09:00	
180-92055-4	GWC-23	Ground Water	06/26/19 12:46	06/28/19 09:00	
180-92055-5	GWC-32	Ground Water	06/27/19 10:05	06/28/19 09:00	
180-92055-6	GWC-30	Ground Water	06/27/19 11:10	06/28/19 09:00	
180-92055-7	GWC-18	Ground Water	06/27/19 10:25	06/28/19 09:00	
180-92055-8	EB-4-6-27-19	Water	06/27/19 10:10	06/28/19 09:00	
180-92055-9	FB-4-6-27-19	Water	06/27/19 09:55	06/28/19 09:00	
180-92055-10	DUP-3	Water	06/27/19 00:00	06/28/19 09:00	
180-92055-11	DUP-4	Water	06/27/19 00:00	06/28/19 09:00	

Method Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-2
SDG: State Metals

Method	Method Description	Protocol	Laboratory
EPA 6020	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

Protocol References:

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

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-2
SDG: State Metals

Client Sample ID: GWC-35
Date Collected: 06/26/19 10:40
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:02	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:33	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-34
Date Collected: 06/26/19 11:50
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:16	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:34	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-33
Date Collected: 06/26/19 13:45
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:19	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:35	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-23
Date Collected: 06/26/19 12:46
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:23	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:37	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-2
SDG: State Metals

Client Sample ID: GWC-32
Date Collected: 06/27/19 10:05
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:33	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:38	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-30
Date Collected: 06/27/19 11:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:36	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:43	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-18
Date Collected: 06/27/19 10:25
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:40	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:44	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: EB-4-6-27-19
Date Collected: 06/27/19 10:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:43	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:45	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-2
SDG: State Metals

Client Sample ID: FB-4-6-27-19

Date Collected: 06/27/19 09:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:47	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:46	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: DUP-3

Date Collected: 06/27/19 00:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:50	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:47	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: DUP-4

Date Collected: 06/27/19 00:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:54	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:49	RJR	TAL PIT
	Instrument ID: HGY									

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KAK = Kayla Kalamasz
RJR = Ron Rosenbaum

Batch Type: Analysis

RJR = Ron Rosenbaum
RSK = Robert Kurtz

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-2
SDG: State Metals

Client Sample ID: GWC-35

Date Collected: 06/26/19 10:40
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-1
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:02	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:02	1
Barium	**0.021**	**B**	0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:02	1
Beryllium	**0.00022**	**J**	0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:02	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:02	1
Cobalt	**0.00028**	**J**	0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:02	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:02	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:02	1
Nickel	**0.0013**		0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:02	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:02	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:02	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:02	1
Thallium	**0.00019**	**J**	0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:02	1
Vanadium	**0.0015**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:02	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:02	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:33	1

Client Sample ID: GWC-34

Date Collected: 06/26/19 11:50
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-2
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:16	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:16	1
Barium	**0.011**	**B**	0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:16	1
Beryllium	**0.00032**	**J**	0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:16	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:16	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:16	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:16	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:16	1
Nickel	**0.00047**	**J**	0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:16	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:16	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:16	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:16	1
Thallium	**0.00014**	**J**	0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:16	1
Vanadium	**0.0020**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:16	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:16	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:34	1

Client Sample ID: GWC-33

Date Collected: 06/26/19 13:45
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-3

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:19	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:19	1
Barium	**0.0057**	**J B**	0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:19	1
Beryllium	**0.00027**	**J**	0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:19	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:19	1
Cobalt	**0.0025**		0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:19	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:19	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:19	1
Nickel	**0.00068**	**J**	0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:19	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:19	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:19	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:19	1
Thallium	**0.00020**	**J**	0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:19	1
Vanadium	**0.0017**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:19	1
Zinc	**0.0056**		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:19	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:35	1

Client Sample ID: GWC-23

Date Collected: 06/26/19 12:46
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-4

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:23	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:23	1
Barium	**0.0041**	**J B**	0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:23	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:23	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:23	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:23	1
Chromium	**0.0023**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:23	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:23	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:23	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:23	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:23	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:23	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:23	1
Vanadium	**0.0019**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:23	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:23	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:37	1

Client Sample ID: GWC-32

Date Collected: 06/27/19 10:05
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:33	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:33	1
Barium	<0.0015		0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:33	1
Beryllium	**0.0017**		0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:33	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:33	1
Cobalt	**0.00017**	**J**	0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:33	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:33	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:33	1
Nickel	**0.00059**	**J**	0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:33	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:33	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:33	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:33	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:33	1
Vanadium	**0.0021**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:33	1
Zinc	**0.082**		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:33	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:38	1

Client Sample ID: GWC-30

Date Collected: 06/27/19 11:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:36	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:36	1
Barium	**0.0071**	**J B**	0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:36	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:36	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:36	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:36	1
Chromium	**0.0025**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:36	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:36	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:36	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:36	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:36	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:36	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:36	1
Vanadium	**0.0029**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:36	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:36	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:43	1

Client Sample ID: GWC-18

Date Collected: 06/27/19 10:25
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-7
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:40	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:40	1
Barium	**0.035**	**B**	0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:40	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:40	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:40	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:40	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:40	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:40	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:40	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:40	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:40	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:40	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:40	1
Vanadium	**0.0031**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:40	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:40	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:44	1

Client Sample ID: EB-4-6-27-19

Date Collected: 06/27/19 10:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-8
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:43	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:43	1
Barium	<0.0015		0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:43	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:43	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:43	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:43	1
Chromium	**0.0021**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:43	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:43	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:43	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:43	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:43	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:43	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:43	1
Vanadium	**0.0018**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:43	1
Zinc	**0.0084**		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:43	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:45	1

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-2
SDG: State Metals

Client Sample ID: FB-4-6-27-19

Date Collected: 06/27/19 09:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:47	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:47	1
Barium	<0.0015		0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:47	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:47	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:47	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:47	1
Chromium	**0.0021**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:47	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:47	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:47	1
Lead	**0.00016**	**J**	0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:47	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:47	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:47	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:47	1
Vanadium	**0.0016**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:47	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:47	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:46	1

Client Sample ID: DUP-3

Date Collected: 06/27/19 00:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:50	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:50	1
Barium	**0.011**	**B**	0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:50	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:50	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:50	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:50	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:50	1
Copper	**0.00069**	**J**	0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:50	1
Nickel	**0.00051**	**J**	0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:50	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:50	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:50	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:50	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:50	1
Vanadium	**0.0022**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:50	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:50	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:47	1

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-2
SDG: State Metals

Client Sample ID: DUP-4
Date Collected: 06/27/19 00:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92055-11
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:54	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:54	1
Barium	**0.035**	**B**	0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:54	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:54	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:54	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:54	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:54	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:54	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:54	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:54	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:54	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:54	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:54	1
Vanadium	**0.0035**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:54	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:54	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:49	1

Method: EPA 6020 - Metals (ICP/MS)

Lab Sample ID: LCS 180-283521/2-A
Matrix: Water
Analysis Batch: 284092

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.250	0.253		mg/L		101	80 - 120
Arsenic	1.00	1.08		mg/L		108	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	0.500	0.505		mg/L		101	80 - 120
Cadmium	0.500	0.524		mg/L		105	80 - 120
Cobalt	0.500	0.545		mg/L		109	80 - 120
Chromium	0.500	0.539		mg/L		108	80 - 120
Copper	0.500	0.547		mg/L		109	80 - 120
Nickel	0.500	0.554		mg/L		111	80 - 120
Lead	0.500	0.532		mg/L		106	80 - 120
Antimony	0.250	0.273		mg/L		109	80 - 120
Selenium	1.00	1.07		mg/L		107	80 - 120
Thallium	1.00	1.08		mg/L		108	80 - 120
Vanadium	0.500	0.537		mg/L		107	80 - 120
Zinc	0.250	0.278		mg/L		111	80 - 120

Lab Sample ID: 180-92055-1 MS
Matrix: Ground Water
Analysis Batch: 284064

Client Sample ID: GWC-35
Prep Type: Total Recoverable
Prep Batch: 283521

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	<0.00012		0.250	0.251		mg/L		100	75 - 125
Arsenic	<0.00032		1.00	0.910		mg/L		91	75 - 125
Barium	0.021	B	1.00	1.02		mg/L		100	75 - 125
Beryllium	0.00022	J	0.500	0.484		mg/L		97	75 - 125
Cadmium	<0.00013		0.500	0.521		mg/L		104	75 - 125
Cobalt	0.00028	J	0.500	0.457		mg/L		91	75 - 125
Chromium	0.0022		0.500	0.519		mg/L		103	75 - 125
Copper	<0.00063		0.500	0.452		mg/L		90	75 - 125
Nickel	0.0013		0.500	0.517		mg/L		103	75 - 125
Lead	<0.00013		0.500	0.524		mg/L		105	75 - 125
Antimony	<0.00038		0.250	0.272		mg/L		109	75 - 125
Selenium	<0.0026		1.00	1.04		mg/L		104	75 - 125
Thallium	0.00019	J	1.00	1.13		mg/L		113	75 - 125
Vanadium	0.0015		0.500	0.516		mg/L		103	75 - 125
Zinc	<0.0032		0.250	0.232		mg/L		93	75 - 125

Lab Sample ID: 180-92055-1 MSD
Matrix: Ground Water
Analysis Batch: 284064

Client Sample ID: GWC-35
Prep Type: Total Recoverable
Prep Batch: 283521

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	<0.00012		0.250	0.253		mg/L		101	75 - 125	1	20
Arsenic	<0.00032		1.00	0.940		mg/L		94	75 - 125	3	20
Barium	0.021	B	1.00	1.02		mg/L		100	75 - 125	0	20
Beryllium	0.00022	J	0.500	0.487		mg/L		97	75 - 125	0	20
Cadmium	<0.00013		0.500	0.524		mg/L		105	75 - 125	1	20
Cobalt	0.00028	J	0.500	0.466		mg/L		93	75 - 125	2	20
Chromium	0.0022		0.500	0.519		mg/L		103	75 - 125	0	20

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

Lab Sample ID: 180-92055-1 MSD
Matrix: Ground Water
Analysis Batch: 284064

Client Sample ID: GWC-35
Prep Type: Total Recoverable
Prep Batch: 283521

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Copper	<0.00063		0.500	0.465		mg/L		93	75 - 125	3	20
Nickel	0.0013		0.500	0.520		mg/L		104	75 - 125	1	20
Lead	<0.00013		0.500	0.530		mg/L		106	75 - 125	1	20
Antimony	<0.00038		0.250	0.274		mg/L		110	75 - 125	1	20
Selenium	<0.0026		1.00	1.06		mg/L		106	75 - 125	1	20
Thallium	0.00019	J	1.00	1.13		mg/L		113	75 - 125	0	20
Vanadium	0.0015		0.500	0.521		mg/L		104	75 - 125	1	20
Zinc	<0.0032		0.250	0.238		mg/L		95	75 - 125	2	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-283910/1-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:13	1

Lab Sample ID: LCS 180-283910/2-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283910

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00244		mg/L		97	80 - 120

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92055-2
SDG: State Metals

Metals

Prep Batch: 283521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-1	GWC-35	Total Recoverable	Ground Water	3005A	
180-92055-2	GWC-34	Total Recoverable	Ground Water	3005A	
180-92055-3	GWC-33	Total Recoverable	Ground Water	3005A	
180-92055-4	GWC-23	Total Recoverable	Ground Water	3005A	
180-92055-5	GWC-32	Total Recoverable	Ground Water	3005A	
180-92055-6	GWC-30	Total Recoverable	Ground Water	3005A	
180-92055-7	GWC-18	Total Recoverable	Ground Water	3005A	
180-92055-8	EB-4-6-27-19	Total Recoverable	Water	3005A	
180-92055-9	FB-4-6-27-19	Total Recoverable	Water	3005A	
180-92055-10	DUP-3	Total Recoverable	Water	3005A	
180-92055-11	DUP-4	Total Recoverable	Water	3005A	
LCS 180-283521/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-92055-1 MS	GWC-35	Total Recoverable	Ground Water	3005A	
180-92055-1 MSD	GWC-35	Total Recoverable	Ground Water	3005A	

Prep Batch: 283910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-1	GWC-35	Total/NA	Ground Water	7470A	
180-92055-2	GWC-34	Total/NA	Ground Water	7470A	
180-92055-3	GWC-33	Total/NA	Ground Water	7470A	
180-92055-4	GWC-23	Total/NA	Ground Water	7470A	
180-92055-5	GWC-32	Total/NA	Ground Water	7470A	
180-92055-6	GWC-30	Total/NA	Ground Water	7470A	
180-92055-7	GWC-18	Total/NA	Ground Water	7470A	
180-92055-8	EB-4-6-27-19	Total/NA	Water	7470A	
180-92055-9	FB-4-6-27-19	Total/NA	Water	7470A	
180-92055-10	DUP-3	Total/NA	Water	7470A	
180-92055-11	DUP-4	Total/NA	Water	7470A	
MB 180-283910/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-283910/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 283958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-1	GWC-35	Total/NA	Ground Water	EPA 7470A	283910
180-92055-2	GWC-34	Total/NA	Ground Water	EPA 7470A	283910
180-92055-3	GWC-33	Total/NA	Ground Water	EPA 7470A	283910
180-92055-4	GWC-23	Total/NA	Ground Water	EPA 7470A	283910
180-92055-5	GWC-32	Total/NA	Ground Water	EPA 7470A	283910
180-92055-6	GWC-30	Total/NA	Ground Water	EPA 7470A	283910
180-92055-7	GWC-18	Total/NA	Ground Water	EPA 7470A	283910
180-92055-8	EB-4-6-27-19	Total/NA	Water	EPA 7470A	283910
180-92055-9	FB-4-6-27-19	Total/NA	Water	EPA 7470A	283910
180-92055-10	DUP-3	Total/NA	Water	EPA 7470A	283910
180-92055-11	DUP-4	Total/NA	Water	EPA 7470A	283910
MB 180-283910/1-A	Method Blank	Total/NA	Water	EPA 7470A	283910
LCS 180-283910/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	283910

Analysis Batch: 284064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-1	GWC-35	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-2	GWC-34	Total Recoverable	Ground Water	EPA 6020	283521

Metals (Continued)

Analysis Batch: 284064 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92055-3	GWC-33	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-4	GWC-23	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-5	GWC-32	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-6	GWC-30	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-7	GWC-18	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-8	EB-4-6-27-19	Total Recoverable	Water	EPA 6020	283521
180-92055-9	FB-4-6-27-19	Total Recoverable	Water	EPA 6020	283521
180-92055-10	DUP-3	Total Recoverable	Water	EPA 6020	283521
180-92055-11	DUP-4	Total Recoverable	Water	EPA 6020	283521
180-92055-1 MS	GWC-35	Total Recoverable	Ground Water	EPA 6020	283521
180-92055-1 MSD	GWC-35	Total Recoverable	Ground Water	EPA 6020	283521

Analysis Batch: 284092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-283521/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283521

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

TestAmerica THE LEADER IN ENVIRO.

Client Information	Sampler: C. Parker, R. Walker	Lab PM: Bortot, Veronica	Carrier Tracking No(s): ACC to TA - ATL cc	COC No:
Client Contact: Joju Abraham	Phone: 770 594 - 5998	E-Mail: veronica.bortot@testamericainc.com		Page:
Company: Southern Company		Analysis Requested		Job #:
Address: PO BOX 2641 GSC8	Due Date Requested:			Preservation Codes:
City: Birmingham	TAT Requested (days): 3 Day			
State, Zip: AL, 35291				
Phone:	PO #: SCS10347656			
Email: JAbraham@southernco.com	WO #:			
Project Name: CCR - Plant Wansley - Landfill	Project #: 40007709			
Site: Georgia	SSOW#:			

180-92055 Chain of Custody

K - EDTA V - MCAA
L - EDA W - pH 4-5
Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As,B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N	D	D		
GWC-35	6-26-19	1040	G	Water	N	N	1	1	2	APP III PLUS STATE METALS LIST
GWC-34	6-26-19	1150	G	Water	N	N	1	1	2	
GWC-33	6-26-19	1345	G	Water	N	N	1	1	2	
GWC-23	6-26-19	1246	G	Water	N	N	1	1	2	
GWC-32	6-27-19	1005	G	Water	N	N	✓	✓	2	
GWC-30	6-27-19	1110	G	Water	N	N	✓	✓	2	
GWC-18	6-27-19	1025	G	Water	N	N	✓	✓	2	
EB-4-6-27-19	6-27-19	1010	G	Water	N	N	✓	✓	2	
FB-4-6-27-19	6-27-19	0955	G	Water	N	N	✓	✓	2	
DUP-3	—	—	G	Water	N	N	✓	✓	2	
DUP-4	—	—	G	Water	N	N	✓	✓	2	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		6-27-19 1515	ACC		6/27/19 1545	ETA
2		6/27/19 1530	ETA		6-28-19	TAPitt
3					900	

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

Ver: 08/04/2016

eurofins | En Te

ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE

NORCROSS, GA 30093
UNITED STATES US

TO **SAMPLE RECEIVING**
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO:

180-92055 Waybill

FedEx Express

1 of 2

TRK# 0201 4651 0082 5408

MASTER

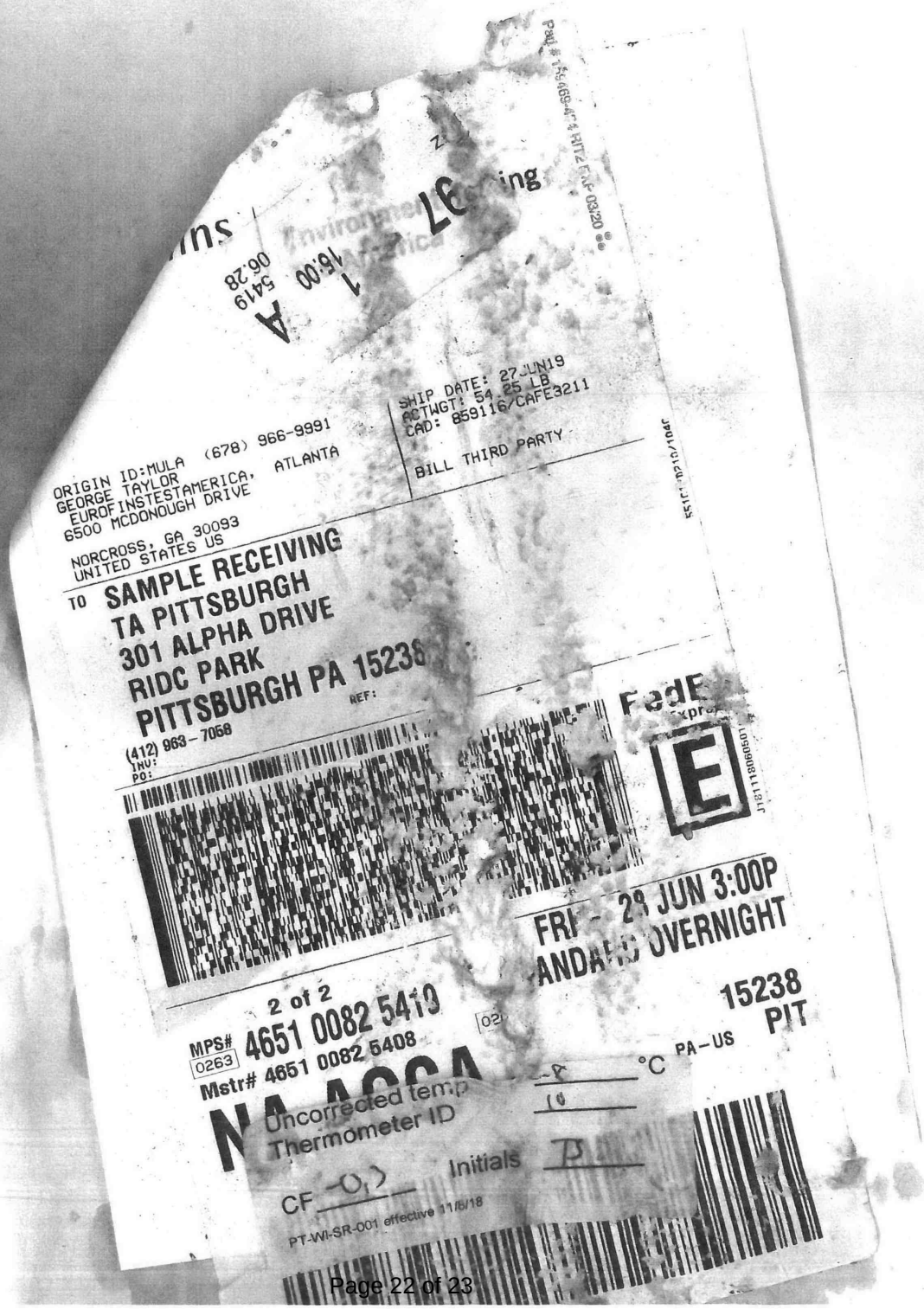
NA AGCA

FRI - 28 JUN 3:00P
STANDARD OVERNIGHT

15238
PA-US PIT

Uncorrected temp 2.6 °C
Thermometer ID 10
CF -0.3 Initials TB

PT-WI-SR-001 effective 11/8/18


ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE
NORCROSS, GA 30093
UNITED STATES US
SHIP DATE: 27JUN19
ACTWGT: 54.25 LB
CAD: 859116/CAFE3211
BILL THIRD PARTY
TO SAMPLE RECEIVING
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF:
INV:
PO:
FRI - 28 JUN 3:00P
STANDARD OVERNIGHT
15238
PIT
PA-US
2 of 2
MPS# 4651 0082 5413
Mstr# 4651 0082 5408
Uncorrected temp
Thermometer ID
Initials
CF
PT-WI-SR-001 effective 11/5/18

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-92055-2
SDG Number: State Metals

Login Number: 92055
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh

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

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 180-92056-1
Laboratory Sample Delivery Group: App III
Client Project/Site: CCR - Plant Wansley

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

Attn: Joju Abraham

Authorized for release by:
7/9/2019 2:04:50 PM

Veronica Bortot, Senior Project Manager
(412)963-2435
veronica.bortot@testamericainc.com

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.

PA Lab ID: 02-00416

Table of Contents

Job ID: 180-92056-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-92056-1

Comments
No additional comments.

Receipt
The samples were received on 6/28/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.3º C and 2.5º C.

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

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

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

Definitions/Glossary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-1
SDG: App III

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
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)

Accreditation/Certification Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-1
SDG: App III

Laboratory: Eurofins TestAmerica, Pittsburgh

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
Arkansas DEQ	State Program	6	88-0690	06-27-20
California	State		2891	04-30-20
California	State Program	9	2891	04-30-20
Connecticut	State Program	1	PH-0688	09-30-20
Florida	NELAP	4	E871008	06-30-20
Florida	NELAP		E871008	06-30-20
Illinois	NELAP	5	200005	06-30-20
Illinois	NELAP		004375	06-30-20
Kansas	NELAP	7	E-10350	01-31-20
Kentucky (UST)	State Program	4	162013	04-30-20
Kentucky (WW)	State Program	4	KY98043	12-31-19
Louisiana	NELAP	6	04041	06-30-20
Minnesota	NELAP Secondary AB	5	042-999-482	12-31-19
Nevada	State		PA00164	07-31-19
Nevada	State Program	9	PA00164	07-31-19
New Hampshire	NELAP	1	2030	04-04-20
New Jersey	NELAP	2	PA005	06-30-20
New York	NELAP	2	11182	03-31-20
New York	NELAP		11182	04-01-20
North Carolina (WW/SW)	State Program	4	434	12-31-19
Oregon	NELAP	10	PA-2151	02-06-20
Oregon	NELAP		PA-2151	02-06-20
Pennsylvania	NELAP	3	02-00416	04-30-20
Pennsylvania	NELAP		02-00416	04-30-20
Rhode Island	State		LAO00362	12-30-19
Rhode Island	State Program	1	LAO00362	12-30-19
South Carolina	State Program	4	89014	04-30-20
Texas	NELAP	6	T104704528-15-2	03-31-20
Texas	NELAP		T104704528	03-31-20
US Fish & Wildlife	Federal		LE94312A-1	07-31-19
US Fish & Wildlife	US Federal Programs		058448	07-31-20
USDA	Federal		P-Soil-01	06-26-22
Utah	NELAP	8	PA001462015-4	05-31-20
Virginia	NELAP	3	460189	09-14-19
Virginia	NELAP		10043	09-14-19
West Virginia DEP	State		142	01-31-20
West Virginia DEP	State Program	3	142	01-31-20
Wisconsin	State		998027800	08-31-19
Wisconsin	State Program	5	998027800	08-31-19

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-1
SDG: App III

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-92056-1	GWC-31	Ground Water	06/26/19 10:20	06/28/19 09:00	
180-92056-2	EB-3-6-26-19	Water	06/26/19 10:30	06/28/19 09:00	
180-92056-3	GWC-24	Ground Water	06/26/19 12:20	06/28/19 09:00	
180-92056-4	GWC-27	Ground Water	06/26/19 13:55	06/28/19 09:00	
180-92056-5	GWC-11	Ground Water	06/26/19 10:25	06/28/19 09:00	
180-92056-6	GWC-10	Ground Water	06/26/19 10:55	06/28/19 09:00	
180-92056-7	GWC-5	Ground Water	06/26/19 13:15	06/28/19 09:00	
180-92056-8	GWC-6	Ground Water	06/26/19 14:05	06/28/19 09:00	
180-92056-9	GWC-12	Ground Water	06/26/19 11:10	06/28/19 09:00	
180-92056-10	GWC-19	Ground Water	06/26/19 15:01	06/28/19 09:00	
180-92056-11	FB-3-6-26-19	Water	06/26/19 11:30	06/28/19 09:00	

Method Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-1
SDG: App III

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

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-1
SDG: App III

Client Sample ID: GWC-31
Date Collected: 06/26/19 10:20
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 10:54	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 16:41	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284092	07/06/19 09:55	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283618	07/01/19 18:25	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-3-6-26-19
Date Collected: 06/26/19 10:30
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 10:38	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 16:54	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284092	07/06/19 10:09	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283618	07/01/19 18:25	TAM	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-24
Date Collected: 06/26/19 12:20
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 17:17	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 16:58	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284092	07/06/19 10:12	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283889	07/03/19 14:22	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-1
SDG: App III

Client Sample ID: GWC-27
Date Collected: 06/26/19 13:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 18:20	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:01	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284092	07/06/19 10:16	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283889	07/03/19 14:22	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-11
Date Collected: 06/26/19 10:25
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 18:36	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:05	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284092	07/06/19 10:26	WTR	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283889	07/03/19 14:22	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-10
Date Collected: 06/26/19 10:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 18:52	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:15	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283889	07/03/19 14:22	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-1
SDG: App III

Client Sample ID: GWC-5
Date Collected: 06/26/19 13:15
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 19:08	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:18	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283889	07/03/19 14:22	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-6
Date Collected: 06/26/19 14:05
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-8
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283485	07/01/19 19:23	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:22	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283889	07/03/19 14:22	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-12
Date Collected: 06/26/19 11:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-9
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 11:41	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:25	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283889	07/03/19 14:22	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-19
Date Collected: 06/26/19 15:01
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-10
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 11:57	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:29	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283889	07/03/19 14:22	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-1
SDG: App III

Client Sample ID: FB-3-6-26-19

Date Collected: 06/26/19 11:30
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1			283622	07/02/19 12:13	MJH	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:32	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	283889	07/03/19 14:22	AVS	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

RJR = Ron Rosenbaum

Batch Type: Analysis

AVS = Abbey Smith
MJH = Matthew Hartman
RSK = Robert Kurtz
TAM = Tessa Mastalski
WTR = Bill Reinheimer

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-1
SDG: App III

Client Sample ID: GWC-31
Date Collected: 06/26/19 10:20
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-1
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.5		1.0	0.71	mg/L			07/02/19 10:54	1
Fluoride	1.3		0.20	0.026	mg/L			07/02/19 10:54	1
Sulfate	9.9		1.0	0.38	mg/L			07/02/19 10:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		07/01/19 07:56	07/06/19 09:55	1
Calcium	11		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 16:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	110		10	10	mg/L			07/01/19 18:25	1

Client Sample ID: EB-3-6-26-19
Date Collected: 06/26/19 10:30
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-2
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/02/19 10:38	1
Fluoride	0.030	J	0.20	0.026	mg/L			07/02/19 10:38	1
Sulfate	<0.38		1.0	0.38	mg/L			07/02/19 10:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.030	J	0.080	0.030	mg/L		07/01/19 07:56	07/06/19 10:09	1
Calcium	<0.12		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 16:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			07/01/19 18:25	1

Client Sample ID: GWC-24
Date Collected: 06/26/19 12:20
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-3
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.4		1.0	0.71	mg/L			07/01/19 17:17	1
Fluoride	0.040	J	0.20	0.026	mg/L			07/01/19 17:17	1
Sulfate	0.71	J	1.0	0.38	mg/L			07/01/19 17:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		07/01/19 07:56	07/06/19 10:12	1
Calcium	0.34	J	0.50	0.12	mg/L		07/01/19 07:56	07/05/19 16:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			07/03/19 14:22	1

Client Sample ID: GWC-27
Date Collected: 06/26/19 13:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-4
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.1		1.0	0.71	mg/L			07/01/19 18:20	1
Fluoride	0.85		0.20	0.026	mg/L			07/01/19 18:20	1
Sulfate	3.2		1.0	0.38	mg/L			07/01/19 18:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		07/01/19 07:56	07/06/19 10:16	1
Calcium	3.7		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			07/03/19 14:22	1

Client Sample ID: GWC-11
Date Collected: 06/26/19 10:25
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-5
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.2		1.0	0.71	mg/L			07/01/19 18:36	1
Fluoride	0.096	J	0.20	0.026	mg/L			07/01/19 18:36	1
Sulfate	0.47	J	1.0	0.38	mg/L			07/01/19 18:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		07/01/19 07:56	07/06/19 10:26	1
Calcium	11		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	87		10	10	mg/L			07/03/19 14:22	1

Client Sample ID: GWC-10
Date Collected: 06/26/19 10:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-6
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.2		1.0	0.71	mg/L			07/01/19 18:52	1
Fluoride	0.68		0.20	0.026	mg/L			07/01/19 18:52	1
Sulfate	13		1.0	0.38	mg/L			07/01/19 18:52	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.053	J	0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:15	1
Calcium	16		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	46		10	10	mg/L			07/03/19 14:22	1

Client Sample ID: GWC-5
Date Collected: 06/26/19 13:15
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-7
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	10		1.0	0.71	mg/L			07/01/19 19:08	1
Fluoride	0.081	J	0.20	0.026	mg/L			07/01/19 19:08	1
Sulfate	31		1.0	0.38	mg/L			07/01/19 19:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.045	J	0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:18	1
Calcium	39		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	120		10	10	mg/L			07/03/19 14:22	1

Client Sample ID: GWC-6
Date Collected: 06/26/19 14:05
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-8
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.0		1.0	0.71	mg/L			07/01/19 19:23	1
Fluoride	0.059	J	0.20	0.026	mg/L			07/01/19 19:23	1
Sulfate	9.3		1.0	0.38	mg/L			07/01/19 19:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.044	J	0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:22	1
Calcium	12		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	41		10	10	mg/L			07/03/19 14:22	1

Client Sample ID: GWC-12
Date Collected: 06/26/19 11:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-9
Matrix: Ground Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	21		1.0	0.71	mg/L			07/02/19 11:41	1
Fluoride	0.16	J	0.20	0.026	mg/L			07/02/19 11:41	1
Sulfate	25		1.0	0.38	mg/L			07/02/19 11:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.057	J	0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:25	1
Calcium	43		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	140		10	10	mg/L			07/03/19 14:22	1

Client Sample ID: GWC-19

Lab Sample ID: 180-92056-10

Date Collected: 06/26/19 15:01

Matrix: Ground Water

Date Received: 06/28/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.5**		1.0	0.71	mg/L			07/02/19 11:57	1
Fluoride	**0.046**	**J**	0.20	0.026	mg/L			07/02/19 11:57	1
Sulfate	**0.88**	**J**	1.0	0.38	mg/L			07/02/19 11:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**0.036**	**J**	0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:29	1
Calcium	**7.3**		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			07/03/19 14:22	1

Client Sample ID: FB-3-6-26-19

Lab Sample ID: 180-92056-11

Date Collected: 06/26/19 11:30

Matrix: Water

Date Received: 06/28/19 09:00

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/02/19 12:13	1
Fluoride	**0.043**	**J**	0.20	0.026	mg/L			07/02/19 12:13	1
Sulfate	**0.68**	**J**	1.0	0.38	mg/L			07/02/19 12:13	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:32	1
Calcium	<0.12		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			07/03/19 14:22	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-283485/17
Matrix: Water
Analysis Batch: 283485

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/01/19 11:45	1
Fluoride	<0.026		0.20	0.026	mg/L			07/01/19 11:45	1
Sulfate	<0.38		1.0	0.38	mg/L			07/01/19 11:45	1

Lab Sample ID: LCS 180-283485/16
Matrix: Water
Analysis Batch: 283485

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	24.8		mg/L		99	90 - 110
Fluoride	1.25	1.20		mg/L		96	90 - 110
Sulfate	25.0	25.0		mg/L		100	90 - 110

Lab Sample ID: MB 180-283622/6
Matrix: Water
Analysis Batch: 283622

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			07/02/19 07:28	1
Fluoride	<0.026		0.20	0.026	mg/L			07/02/19 07:28	1
Sulfate	<0.38		1.0	0.38	mg/L			07/02/19 07:28	1

Lab Sample ID: LCS 180-283622/5
Matrix: Water
Analysis Batch: 283622

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	25.0	25.0		mg/L		100	90 - 110
Fluoride	1.25	1.22		mg/L		97	90 - 110
Sulfate	25.0	25.0		mg/L		100	90 - 110

Lab Sample ID: 180-92056-1 MS
Matrix: Ground Water
Analysis Batch: 283622

Client Sample ID: GWC-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.5		25.0	26.5		mg/L		100	80 - 120
Fluoride	1.3		1.25	2.65		mg/L		104	80 - 120
Sulfate	9.9		25.0	35.0		mg/L		100	80 - 120

Lab Sample ID: 180-92056-1 MSD
Matrix: Ground Water
Analysis Batch: 283622

Client Sample ID: GWC-31
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.5		25.0	26.3		mg/L		99	80 - 120	1	20
Fluoride	1.3		1.25	2.62		mg/L		102	80 - 120	1	20
Sulfate	9.9		25.0	34.5		mg/L		99	80 - 120	1	20

Method: EPA 6020 - Metals (ICP/MS)

Lab Sample ID: MB 180-283522/1-A
Matrix: Water
Analysis Batch: 284064

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.12		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 16:34	1

Lab Sample ID: MB 180-283522/1-A
Matrix: Water
Analysis Batch: 284092

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.030		0.080	0.030	mg/L		07/01/19 07:56	07/06/19 09:45	1

Lab Sample ID: LCS 180-283522/2-A
Matrix: Water
Analysis Batch: 284064

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	25.0	25.7		mg/L		103	80 - 120

Lab Sample ID: LCS 180-283522/2-A
Matrix: Water
Analysis Batch: 284092

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	1.25	1.26		mg/L		101	80 - 120

Lab Sample ID: 180-92056-1 MS
Matrix: Ground Water
Analysis Batch: 284064

Client Sample ID: GWC-31
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	11		25.0	36.6		mg/L		101	75 - 125

Lab Sample ID: 180-92056-1 MS
Matrix: Ground Water
Analysis Batch: 284092

Client Sample ID: GWC-31
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Boron	<0.030		1.25	1.24		mg/L		99	75 - 125

Lab Sample ID: 180-92056-1 MSD
Matrix: Ground Water
Analysis Batch: 284064

Client Sample ID: GWC-31
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	11		25.0	36.8		mg/L		101	75 - 125	0	20

Lab Sample ID: 180-92056-1 MSD
Matrix: Ground Water
Analysis Batch: 284092

Client Sample ID: GWC-31
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Boron	<0.030		1.25	1.26		mg/L		101	75 - 125	1	20

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

Lab Sample ID: MB 180-283618/2
Matrix: Water
Analysis Batch: 283618

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			07/01/19 18:25	1

Lab Sample ID: LCS 180-283618/1
Matrix: Water
Analysis Batch: 283618

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	201	208		mg/L		103	80 - 120

Lab Sample ID: MB 180-283889/2
Matrix: Water
Analysis Batch: 283889

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			07/03/19 14:22	1

Lab Sample ID: LCS 180-283889/1
Matrix: Water
Analysis Batch: 283889

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	201	240		mg/L		119	80 - 120

Lab Sample ID: 180-92056-7 DU
Matrix: Ground Water
Analysis Batch: 283889

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	120		127		mg/L		5	10

HPLC/IC

Analysis Batch: 283485

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-3	GWC-24	Total/NA	Ground Water	300.0	
180-92056-4	GWC-27	Total/NA	Ground Water	300.0	
180-92056-5	GWC-11	Total/NA	Ground Water	300.0	
180-92056-6	GWC-10	Total/NA	Ground Water	300.0	
180-92056-7	GWC-5	Total/NA	Ground Water	300.0	
180-92056-8	GWC-6	Total/NA	Ground Water	300.0	
MB 180-283485/17	Method Blank	Total/NA	Water	300.0	
LCS 180-283485/16	Lab Control Sample	Total/NA	Water	300.0	

Analysis Batch: 283622

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-1	GWC-31	Total/NA	Ground Water	300.0	
180-92056-2	EB-3-6-26-19	Total/NA	Water	300.0	
180-92056-9	GWC-12	Total/NA	Ground Water	300.0	
180-92056-10	GWC-19	Total/NA	Ground Water	300.0	
180-92056-11	FB-3-6-26-19	Total/NA	Water	300.0	
MB 180-283622/6	Method Blank	Total/NA	Water	300.0	
LCS 180-283622/5	Lab Control Sample	Total/NA	Water	300.0	
180-92056-1 MS	GWC-31	Total/NA	Ground Water	300.0	
180-92056-1 MSD	GWC-31	Total/NA	Ground Water	300.0	

Metals

Prep Batch: 283522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-1	GWC-31	Total Recoverable	Ground Water	3005A	
180-92056-2	EB-3-6-26-19	Total Recoverable	Water	3005A	
180-92056-3	GWC-24	Total Recoverable	Ground Water	3005A	
180-92056-4	GWC-27	Total Recoverable	Ground Water	3005A	
180-92056-5	GWC-11	Total Recoverable	Ground Water	3005A	
180-92056-6	GWC-10	Total Recoverable	Ground Water	3005A	
180-92056-7	GWC-5	Total Recoverable	Ground Water	3005A	
180-92056-8	GWC-6	Total Recoverable	Ground Water	3005A	
180-92056-9	GWC-12	Total Recoverable	Ground Water	3005A	
180-92056-10	GWC-19	Total Recoverable	Ground Water	3005A	
180-92056-11	FB-3-6-26-19	Total Recoverable	Water	3005A	
MB 180-283522/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-283522/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-92056-1 MS	GWC-31	Total Recoverable	Ground Water	3005A	
180-92056-1 MSD	GWC-31	Total Recoverable	Ground Water	3005A	

Analysis Batch: 284064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-1	GWC-31	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-2	EB-3-6-26-19	Total Recoverable	Water	EPA 6020	283522
180-92056-3	GWC-24	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-4	GWC-27	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-5	GWC-11	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-6	GWC-10	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-7	GWC-5	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-8	GWC-6	Total Recoverable	Ground Water	EPA 6020	283522

Metals (Continued)

Analysis Batch: 284064 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-9	GWC-12	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-10	GWC-19	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-11	FB-3-6-26-19	Total Recoverable	Water	EPA 6020	283522
MB 180-283522/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283522
LCS 180-283522/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283522
180-92056-1 MS	GWC-31	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-1 MSD	GWC-31	Total Recoverable	Ground Water	EPA 6020	283522

Analysis Batch: 284092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-1	GWC-31	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-2	EB-3-6-26-19	Total Recoverable	Water	EPA 6020	283522
180-92056-3	GWC-24	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-4	GWC-27	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-5	GWC-11	Total Recoverable	Ground Water	EPA 6020	283522
MB 180-283522/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283522
LCS 180-283522/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283522
180-92056-1 MS	GWC-31	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-1 MSD	GWC-31	Total Recoverable	Ground Water	EPA 6020	283522

General Chemistry

Analysis Batch: 283618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-1	GWC-31	Total/NA	Ground Water	SM 2540C	
180-92056-2	EB-3-6-26-19	Total/NA	Water	SM 2540C	
MB 180-283618/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-283618/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 283889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-3	GWC-24	Total/NA	Ground Water	SM 2540C	
180-92056-4	GWC-27	Total/NA	Ground Water	SM 2540C	
180-92056-5	GWC-11	Total/NA	Ground Water	SM 2540C	
180-92056-6	GWC-10	Total/NA	Ground Water	SM 2540C	
180-92056-7	GWC-5	Total/NA	Ground Water	SM 2540C	
180-92056-8	GWC-6	Total/NA	Ground Water	SM 2540C	
180-92056-9	GWC-12	Total/NA	Ground Water	SM 2540C	
180-92056-10	GWC-19	Total/NA	Ground Water	SM 2540C	
180-92056-11	FB-3-6-26-19	Total/NA	Water	SM 2540C	
MB 180-283889/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-283889/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-92056-7 DU	GWC-5	Total/NA	Ground Water	SM 2540C	

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: O. FUQUEA, H. Auld	Lab PM: Bortot, Veronica	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Phone: (770) 594-5498	E-Mail: veronica.bortot@testamericainc.com		
Company: Southern Company				
Address: PO BOX 2641 GSC8	Due Date Requested:			
City: Birmingham	TAT Requested (days): 3 Day			
State, Zip: AL, 35291				
Phone:	PO #: SCS10347656			
Email: JAbraham@southernco.com	WO #:			
Project Name: CCR - Plant Wansley - Landfill	Project #: 40007709			
Site: Georgia	SSOW#:			

180-92056 Chain of Custody

Analysis Requested

C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As,B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D		
GWC-31	6-26-19	1020	G	Water	N	N	✓	✓	2	APP III PLUS STATE METALS LIST
EB-3-6-26-19	6-26-19	1030	G	Water	N	N	✓	✓	2	
GWC-24	6-26-19	1220	G	Water	N	N	✓	✓	2	
GWC-27	6-26-19	1355	G	Water	N	N	✓	✓	2	
GWC-11	6-26-19	1025	G	Water	N	N	✓	✓	2	
~~GWC-5~~ 6-26-19 GWC-10	6-26-19	1055	G	Water	N	N	✓	✓	2	
GWC-5	6-26-19	1315	G	Water	N	N	✓	✓	2	
GWC-6	6-26-19	1405	G	Water	N	N	✓	✓	2	
GWC-12	6-26-19	1110	G	Water	N	N	✓	✓	2	
GWC-19	6-26-19	1501	G	Water	N	N	✓	✓	2	
FB-3-6-26-19	6-26-19	1130	G	Water	N	N	✓	✓	2	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 6-27-19 1515	Company ACC	Received by:	Date/Time: 6/27/19 1515	Company CTS
Relinquished by: 6/27/19	Date/Time: 1530	Company CTA	Received by:	Date/Time: 6-28-19	Company TAL H
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 700	Company

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

Ver: 08/04/2016

eurofins | En Te

ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE

NORCROSS, GA 30093
UNITED STATES US

TO **SAMPLE RECEIVING**
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO:

180-92056 Waybill

FedEx Express

1 of 2

TRK# 0201 4651 0082 5408

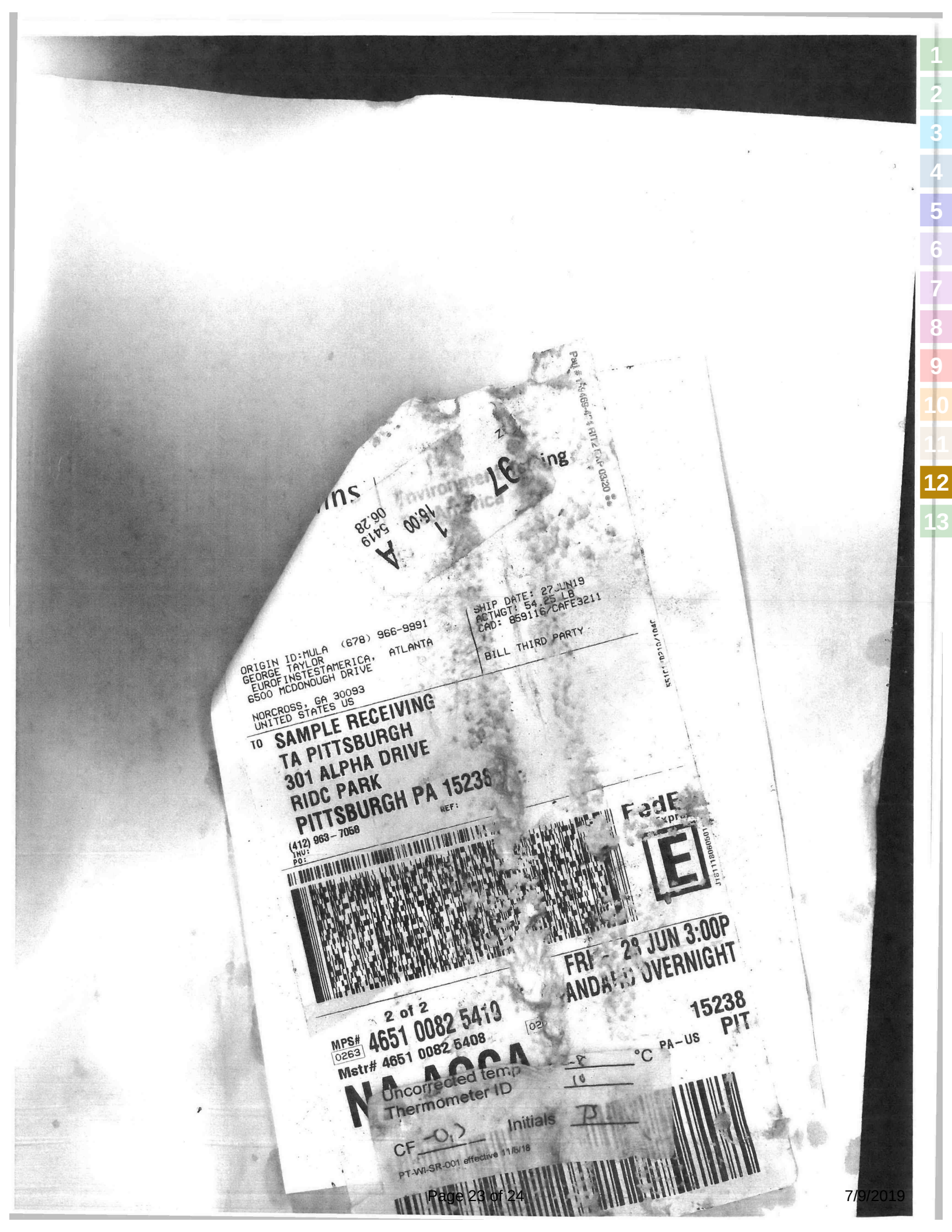
MASTER

NA AGCA

FRI - 28 JUN 3:00P
STANDARD OVERNIGHT

15238
PA-US PIT

Uncorrected temp 26 °C
Thermometer ID 10
CF -0.3 Initials TB
PT-WI-SR-001 effective 11/8/18


ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE
NORCROSS, GA 30093
UNITED STATES US
SHIP DATE: 27JUN19
ACTWGT: 54.25 LB
CAD: 859116/CAFE3211
BILL THIRD PARTY
TO SAMPLE RECEIVING
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15236
(412) 963-7058
REF:
INV:
PO:
FedEx Express
FRI - 28 JUN 3:00P
STANDARD OVERNIGHT
15238
PIT
PA-US
2 of 2
MPS# 0263 4651 0082 5413
Mstr# 4651 0082 5408
Uncorrected temp
Thermometer ID
Initials
CF
PT-WI-SR-001 effective 11/5/18

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-92056-1
SDG Number: App III

Login Number: 92056
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 180-92056-2
Laboratory Sample Delivery Group: State Metals
Client Project/Site: CCR - Plant Wansley

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

Attn: Joju Abraham

Authorized for release by:
7/9/2019 2:06:25 PM

Veronica Bortot, Senior Project Manager
(412)963-2435
veronica.bortot@testamericainc.com

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.

PA Lab ID: 02-00416

Table of Contents

Definitions/Glossary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-2
SDG: State Metals

Qualifiers

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

Accreditation/Certification Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-2
SDG: State Metals

Laboratory: Eurofins TestAmerica, Pittsburgh

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
Arkansas DEQ	State Program	6	88-0690	06-27-20
California	State		2891	04-30-20
California	State Program	9	2891	04-30-20
Connecticut	State Program	1	PH-0688	09-30-20
Florida	NELAP	4	E871008	06-30-20
Florida	NELAP		E871008	06-30-20
Illinois	NELAP	5	200005	06-30-20
Illinois	NELAP		004375	06-30-20
Kansas	NELAP	7	E-10350	01-31-20
Kentucky (UST)	State Program	4	162013	04-30-20
Kentucky (WW)	State Program	4	KY98043	12-31-19
Louisiana	NELAP	6	04041	06-30-20
Minnesota	NELAP Secondary AB	5	042-999-482	12-31-19
Nevada	State		PA00164	07-31-19
Nevada	State Program	9	PA00164	07-31-19
New Hampshire	NELAP	1	2030	04-04-20
New Jersey	NELAP	2	PA005	06-30-20
New York	NELAP	2	11182	03-31-20
New York	NELAP		11182	04-01-20
North Carolina (WW/SW)	State Program	4	434	12-31-19
Oregon	NELAP	10	PA-2151	02-06-20
Oregon	NELAP		PA-2151	02-06-20
Pennsylvania	NELAP	3	02-00416	04-30-20
Pennsylvania	NELAP		02-00416	04-30-20
Rhode Island	State		LAO00362	12-30-19
Rhode Island	State Program	1	LAO00362	12-30-19
South Carolina	State Program	4	89014	04-30-20
Texas	NELAP	6	T104704528-15-2	03-31-20
Texas	NELAP		T104704528	03-31-20
US Fish & Wildlife	Federal		LE94312A-1	07-31-19
US Fish & Wildlife	US Federal Programs		058448	07-31-20
USDA	Federal		P-Soil-01	06-26-22
Utah	NELAP	8	PA001462015-4	05-31-20
Virginia	NELAP	3	460189	09-14-19
Virginia	NELAP		10043	09-14-19
West Virginia DEP	State		142	01-31-20
West Virginia DEP	State Program	3	142	01-31-20
Wisconsin	State		998027800	08-31-19
Wisconsin	State Program	5	998027800	08-31-19

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-2
SDG: State Metals

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-92056-1	GWC-31	Ground Water	06/26/19 10:20	06/28/19 09:00	
180-92056-2	EB-3-6-26-19	Water	06/26/19 10:30	06/28/19 09:00	
180-92056-3	GWC-24	Ground Water	06/26/19 12:20	06/28/19 09:00	
180-92056-4	GWC-27	Ground Water	06/26/19 13:55	06/28/19 09:00	
180-92056-5	GWC-11	Ground Water	06/26/19 10:25	06/28/19 09:00	
180-92056-6	GWC-10	Ground Water	06/26/19 10:55	06/28/19 09:00	
180-92056-7	GWC-5	Ground Water	06/26/19 13:15	06/28/19 09:00	
180-92056-8	GWC-6	Ground Water	06/26/19 14:05	06/28/19 09:00	
180-92056-9	GWC-12	Ground Water	06/26/19 11:10	06/28/19 09:00	
180-92056-10	GWC-19	Ground Water	06/26/19 15:01	06/28/19 09:00	
180-92056-11	FB-3-6-26-19	Water	06/26/19 11:30	06/28/19 09:00	

Method Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-2
SDG: State Metals

Method	Method Description	Protocol	Laboratory
EPA 6020	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

Protocol References:

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

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-2
SDG: State Metals

Client Sample ID: GWC-31
Date Collected: 06/26/19 10:20
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 16:41	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:50	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: EB-3-6-26-19
Date Collected: 06/26/19 10:30
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 16:54	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:51	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-24
Date Collected: 06/26/19 12:20
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 16:58	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283911	07/03/19 17:26	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:58	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-27
Date Collected: 06/26/19 13:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:01	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283911	07/03/19 17:26	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 15:02	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-2
SDG: State Metals

Client Sample ID: GWC-11
Date Collected: 06/26/19 10:25
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:05	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283911	07/03/19 17:26	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 15:03	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-10
Date Collected: 06/26/19 10:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:15	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283911	07/03/19 17:26	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 15:04	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-5
Date Collected: 06/26/19 13:15
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:18	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283911	07/03/19 17:26	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 15:05	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-6
Date Collected: 06/26/19 14:05
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-8
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:22	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283911	07/03/19 17:26	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 15:07	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-2
SDG: State Metals

Client Sample ID: GWC-12
Date Collected: 06/26/19 11:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-9
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:25	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283911	07/03/19 17:26	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 15:08	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: GWC-19
Date Collected: 06/26/19 15:01
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-10
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:29	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283911	07/03/19 17:26	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 15:09	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: FB-3-6-26-19
Date Collected: 06/26/19 11:30
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-11
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:32	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283911	07/03/19 17:26	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 15:14	RJR	TAL PIT
	Instrument ID: HGY									

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KAK = Kayla Kalamasz

RJR = Ron Rosenbaum

Batch Type: Analysis

RJR = Ron Rosenbaum

RSK = Robert Kurtz

Client Sample ID: GWC-31

Date Collected: 06/26/19 10:20
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-1

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 16:41	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 16:41	1
Barium	<0.0015		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 16:41	1
Beryllium	**0.00084**	**J**	0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 16:41	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:41	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 16:41	1
Chromium	**0.0037**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 16:41	1
Copper	**0.0019**	**J**	0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 16:41	1
Nickel	**0.00034**	**J**	0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 16:41	1
Lead	**0.00022**	**J**	0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:41	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 16:41	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 16:41	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:41	1
Vanadium	**0.0015**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 16:41	1
Zinc	**0.011**		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 16:41	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:50	1

Client Sample ID: EB-3-6-26-19

Date Collected: 06/26/19 10:30
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 16:54	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 16:54	1
Barium	<0.0015		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 16:54	1
Beryllium	**0.00027**	**J**	0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 16:54	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:54	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 16:54	1
Chromium	**0.0020**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 16:54	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 16:54	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 16:54	1
Lead	**0.00018**	**J**	0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:54	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 16:54	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 16:54	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:54	1
Vanadium	**0.0011**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 16:54	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 16:54	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:51	1

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-2
SDG: State Metals

Client Sample ID: GWC-24

Date Collected: 06/26/19 12:20
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-3

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 16:58	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 16:58	1
Barium	**0.0093**	**J**	0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 16:58	1
Beryllium	**0.00017**	**J**	0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 16:58	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:58	1
Cobalt	**0.0010**		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 16:58	1
Chromium	**0.0027**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 16:58	1
Copper	**0.00094**	**J**	0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 16:58	1
Nickel	**0.0016**		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 16:58	1
Lead	**0.00016**	**J**	0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:58	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 16:58	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 16:58	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:58	1
Vanadium	**0.0014**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 16:58	1
Zinc	**0.0062**		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 16:58	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 14:58	1

Client Sample ID: GWC-27

Date Collected: 06/26/19 13:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-4

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:01	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:01	1
Barium	**0.017**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:01	1
Beryllium	**0.0056**		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:01	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:01	1
Cobalt	**0.0023**		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:01	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:01	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:01	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:01	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:01	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:01	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:01	1
Thallium	**0.00019**	**J**	0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:01	1
Vanadium	**0.0011**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:01	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:01	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 15:02	1

Client Sample ID: GWC-11

Date Collected: 06/26/19 10:25
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-5
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:05	1
Arsenic	**0.0015**		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:05	1
Barium	**0.26**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:05	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:05	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:05	1
Cobalt	**0.0037**		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:05	1
Chromium	**0.0041**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:05	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:05	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:05	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:05	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:05	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:05	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:05	1
Vanadium	**0.0035**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:05	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:05	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 15:03	1

Client Sample ID: GWC-10

Date Collected: 06/26/19 10:55
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-6
Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:15	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:15	1
Barium	**0.020**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:15	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:15	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:15	1
Cobalt	**0.0051**		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:15	1
Chromium	**0.0021**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:15	1
Copper	**0.00064**	**J**	0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:15	1
Nickel	**0.0014**		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:15	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:15	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:15	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:15	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:15	1
Vanadium	**0.0014**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:15	1
Zinc	**0.0044**	**J**	0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:15	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 15:04	1

Client Sample ID: GWC-5

Date Collected: 06/26/19 13:15
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-7

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:18	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:18	1
Barium	**0.020**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:18	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:18	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:18	1
Cobalt	**0.0054**		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:18	1
Chromium	**0.0029**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:18	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:18	1
Nickel	**0.0051**		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:18	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:18	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:18	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:18	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:18	1
Vanadium	**0.0033**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:18	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:18	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 15:05	1

Client Sample ID: GWC-6

Date Collected: 06/26/19 14:05
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-8

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:22	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:22	1
Barium	**0.045**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:22	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:22	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:22	1
Cobalt	**0.012**		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:22	1
Chromium	**0.0027**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:22	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:22	1
Nickel	**0.0052**		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:22	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:22	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:22	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:22	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:22	1
Vanadium	**0.0016**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:22	1
Zinc	**0.0033**	**J**	0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:22	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 15:07	1

Client Sample ID: GWC-12

Date Collected: 06/26/19 11:10
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-9

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:25	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:25	1
Barium	**0.020**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:25	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:25	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:25	1
Cobalt	**0.00039**	**J**	0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:25	1
Chromium	**0.0021**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:25	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:25	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:25	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:25	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:25	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:25	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:25	1
Vanadium	**0.0013**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:25	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:25	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 15:08	1

Client Sample ID: GWC-19

Date Collected: 06/26/19 15:01
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-10

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:29	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:29	1
Barium	**0.077**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:29	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:29	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:29	1
Cobalt	**0.00042**	**J**	0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:29	1
Chromium	**0.0023**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:29	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:29	1
Nickel	**0.00051**	**J**	0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:29	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:29	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:29	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:29	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:29	1
Vanadium	**0.0023**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:29	1
Zinc	**0.0038**	**J**	0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:29	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 15:09	1

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-2
SDG: State Metals

Client Sample ID: FB-3-6-26-19

Date Collected: 06/26/19 11:30
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92056-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:32	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:32	1
Barium	<0.0015		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:32	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:32	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:32	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:32	1
Chromium	**0.0021**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:32	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:32	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:32	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:32	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:32	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:32	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:32	1
Vanadium	**0.0011**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:32	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:32	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 15:14	1

Method: EPA 6020 - Metals (ICP/MS)

Lab Sample ID: MB 180-283522/1-A
Matrix: Water
Analysis Batch: 284064

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 16:34	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 16:34	1
Barium	<0.0015		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 16:34	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 16:34	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:34	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 16:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 16:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 16:34	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 16:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:34	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 16:34	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 16:34	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:34	1
Vanadium	<0.00090		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 16:34	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 16:34	1

Lab Sample ID: LCS 180-283522/2-A
Matrix: Water
Analysis Batch: 284064

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.250	0.249		mg/L		100	80 - 120
Arsenic	1.00	0.906		mg/L		91	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.508		mg/L		102	80 - 120
Cadmium	0.500	0.519		mg/L		104	80 - 120
Cobalt	0.500	0.461		mg/L		92	80 - 120
Chromium	0.500	0.519		mg/L		104	80 - 120
Copper	0.500	0.453		mg/L		91	80 - 120
Nickel	0.500	0.523		mg/L		105	80 - 120
Lead	0.500	0.527		mg/L		105	80 - 120
Antimony	0.250	0.273		mg/L		109	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Thallium	1.00	1.11		mg/L		111	80 - 120
Vanadium	0.500	0.517		mg/L		103	80 - 120
Zinc	0.250	0.231		mg/L		92	80 - 120

Lab Sample ID: 180-92056-1 MS
Matrix: Ground Water
Analysis Batch: 284064

Client Sample ID: GWC-31
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	<0.00012		0.250	0.252		mg/L		101	75 - 125
Arsenic	<0.00032		1.00	0.933		mg/L		93	75 - 125
Barium	<0.0015		1.00	1.01		mg/L		101	75 - 125
Beryllium	0.00084	J	0.500	0.479		mg/L		96	75 - 125
Cadmium	<0.00013		0.500	0.518		mg/L		104	75 - 125
Cobalt	<0.000075		0.500	0.469		mg/L		94	75 - 125
Chromium	0.0037		0.500	0.518		mg/L		103	75 - 125

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

Lab Sample ID: 180-92056-1 MS
Matrix: Ground Water
Analysis Batch: 284064

Client Sample ID: GWC-31
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	0.0019	J	0.500	0.462		mg/L		92	75 - 125
Nickel	0.00034	J	0.500	0.513		mg/L		102	75 - 125
Lead	0.00022	J	0.500	0.525		mg/L		105	75 - 125
Antimony	<0.00038		0.250	0.271		mg/L		108	75 - 125
Selenium	<0.0026		1.00	1.04		mg/L		104	75 - 125
Thallium	<0.00013		1.00	1.12		mg/L		112	75 - 125
Vanadium	0.0015		0.500	0.515		mg/L		103	75 - 125
Zinc	0.011		0.250	0.245		mg/L		93	75 - 125

Lab Sample ID: 180-92056-1 MSD
Matrix: Ground Water
Analysis Batch: 284064

Client Sample ID: GWC-31
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver	<0.00012		0.250	0.250		mg/L		100	75 - 125	1	20
Arsenic	<0.00032		1.00	0.907		mg/L		91	75 - 125	3	20
Barium	<0.0015		1.00	1.00		mg/L		100	75 - 125	0	20
Beryllium	0.00084	J	0.500	0.487		mg/L		97	75 - 125	2	20
Cadmium	<0.00013		0.500	0.515		mg/L		103	75 - 125	1	20
Cobalt	<0.000075		0.500	0.461		mg/L		92	75 - 125	2	20
Chromium	0.0037		0.500	0.518		mg/L		103	75 - 125	0	20
Copper	0.0019	J	0.500	0.454		mg/L		90	75 - 125	2	20
Nickel	0.00034	J	0.500	0.518		mg/L		104	75 - 125	1	20
Lead	0.00022	J	0.500	0.525		mg/L		105	75 - 125	0	20
Antimony	<0.00038		0.250	0.273		mg/L		109	75 - 125	1	20
Selenium	<0.0026		1.00	1.04		mg/L		104	75 - 125	0	20
Thallium	<0.00013		1.00	1.12		mg/L		112	75 - 125	0	20
Vanadium	0.0015		0.500	0.516		mg/L		103	75 - 125	0	20
Zinc	0.011		0.250	0.251		mg/L		96	75 - 125	3	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-283910/1-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:13	1

Lab Sample ID: LCS 180-283910/2-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283910

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00244		mg/L		97	80 - 120

Method: EPA 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 180-283911/1-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 14:52	1

Lab Sample ID: LCS 180-283911/2-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283911

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: 180-92056-3 MS
Matrix: Ground Water
Analysis Batch: 283958

Client Sample ID: GWC-24
Prep Type: Total/NA
Prep Batch: 283911

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	<0.00010		0.00100	0.000945		mg/L		95	75 - 125		

Lab Sample ID: 180-92056-3 MSD
Matrix: Ground Water
Analysis Batch: 283958

Client Sample ID: GWC-24
Prep Type: Total/NA
Prep Batch: 283911

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	<0.00010		0.00100	0.000948		mg/L		95	75 - 125	0	20

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92056-2
SDG: State Metals

Metals

Prep Batch: 283522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-1	GWC-31	Total Recoverable	Ground Water	3005A	
180-92056-2	EB-3-6-26-19	Total Recoverable	Water	3005A	
180-92056-3	GWC-24	Total Recoverable	Ground Water	3005A	
180-92056-4	GWC-27	Total Recoverable	Ground Water	3005A	
180-92056-5	GWC-11	Total Recoverable	Ground Water	3005A	
180-92056-6	GWC-10	Total Recoverable	Ground Water	3005A	
180-92056-7	GWC-5	Total Recoverable	Ground Water	3005A	
180-92056-8	GWC-6	Total Recoverable	Ground Water	3005A	
180-92056-9	GWC-12	Total Recoverable	Ground Water	3005A	
180-92056-10	GWC-19	Total Recoverable	Ground Water	3005A	
180-92056-11	FB-3-6-26-19	Total Recoverable	Water	3005A	
MB 180-283522/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-283522/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-92056-1 MS	GWC-31	Total Recoverable	Ground Water	3005A	
180-92056-1 MSD	GWC-31	Total Recoverable	Ground Water	3005A	

Prep Batch: 283910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-1	GWC-31	Total/NA	Ground Water	7470A	
180-92056-2	EB-3-6-26-19	Total/NA	Water	7470A	
MB 180-283910/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-283910/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 283911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-3	GWC-24	Total/NA	Ground Water	7470A	
180-92056-4	GWC-27	Total/NA	Ground Water	7470A	
180-92056-5	GWC-11	Total/NA	Ground Water	7470A	
180-92056-6	GWC-10	Total/NA	Ground Water	7470A	
180-92056-7	GWC-5	Total/NA	Ground Water	7470A	
180-92056-8	GWC-6	Total/NA	Ground Water	7470A	
180-92056-9	GWC-12	Total/NA	Ground Water	7470A	
180-92056-10	GWC-19	Total/NA	Ground Water	7470A	
180-92056-11	FB-3-6-26-19	Total/NA	Water	7470A	
MB 180-283911/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-283911/2-A	Lab Control Sample	Total/NA	Water	7470A	
180-92056-3 MS	GWC-24	Total/NA	Ground Water	7470A	
180-92056-3 MSD	GWC-24	Total/NA	Ground Water	7470A	

Analysis Batch: 283958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-1	GWC-31	Total/NA	Ground Water	EPA 7470A	283910
180-92056-2	EB-3-6-26-19	Total/NA	Water	EPA 7470A	283910
180-92056-3	GWC-24	Total/NA	Ground Water	EPA 7470A	283911
180-92056-4	GWC-27	Total/NA	Ground Water	EPA 7470A	283911
180-92056-5	GWC-11	Total/NA	Ground Water	EPA 7470A	283911
180-92056-6	GWC-10	Total/NA	Ground Water	EPA 7470A	283911
180-92056-7	GWC-5	Total/NA	Ground Water	EPA 7470A	283911
180-92056-8	GWC-6	Total/NA	Ground Water	EPA 7470A	283911
180-92056-9	GWC-12	Total/NA	Ground Water	EPA 7470A	283911
180-92056-10	GWC-19	Total/NA	Ground Water	EPA 7470A	283911

Metals (Continued)

Analysis Batch: 283958 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-11	FB-3-6-26-19	Total/NA	Water	EPA 7470A	283911
MB 180-283910/1-A	Method Blank	Total/NA	Water	EPA 7470A	283910
MB 180-283911/1-A	Method Blank	Total/NA	Water	EPA 7470A	283911
LCS 180-283910/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	283910
LCS 180-283911/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	283911
180-92056-3 MS	GWC-24	Total/NA	Ground Water	EPA 7470A	283911
180-92056-3 MSD	GWC-24	Total/NA	Ground Water	EPA 7470A	283911

Analysis Batch: 284064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92056-1	GWC-31	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-2	EB-3-6-26-19	Total Recoverable	Water	EPA 6020	283522
180-92056-3	GWC-24	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-4	GWC-27	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-5	GWC-11	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-6	GWC-10	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-7	GWC-5	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-8	GWC-6	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-9	GWC-12	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-10	GWC-19	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-11	FB-3-6-26-19	Total Recoverable	Water	EPA 6020	283522
MB 180-283522/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283522
LCS 180-283522/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283522
180-92056-1 MS	GWC-31	Total Recoverable	Ground Water	EPA 6020	283522
180-92056-1 MSD	GWC-31	Total Recoverable	Ground Water	EPA 6020	283522

TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Phone (850) 474-1001 Fax (850) 478-2671

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: O. FUQUEA, H. Auld	Lab PM: Bortot, Veronica	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Phone: (770) 594-5498	E-Mail: veronica.bortot@testamericainc.com		
Company: Southern Company				
Address: PO BOX 2641 GSC8	Due Date Requested:			
City: Birmingham	TAT Requested (days): 3 Day			
State, Zip: AL, 35291				
Phone:	PO #: SCS10347656			
Email: JAbraham@southernco.com	WO #:			
Project Name: CCR - Plant Wansley - Landfill	Project #: 40007709			
Site: Georgia	SSOW#:			

180-92056 Chain of Custody

Analysis Requested

C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; O - AsNaO2; P - Na2O4S; Q - Na2SO3; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As,B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D		
GWC-31	6-26-19	1020	G	Water	N	N	✓	✓	2	APP III PLUS STATE METALS LIST
EB-3-6-26-19	6-26-19	1030	G	Water	N	N	✓	✓	2	
GWC-24	6-26-19	1220	G	Water	N	N	✓	✓	2	
GWC-27	6-26-19	1355	G	Water	N	N	✓	✓	2	
GWC-11	6-26-19	1025	G	Water	N	N	✓	✓	2	
~~GWC-5 6-26-19~~ GWC-10	6-26-19	1055	G	Water	N	N	✓	✓	2	
GWC-5	6-26-19	1315	G	Water	N	N	✓	✓	2	
GWC-6	6-26-19	1405	G	Water	N	N	✓	✓	2	
GWC-12	6-26-19	1110	G	Water	N	N	✓	✓	2	
GWC-19	6-26-19	1501	G	Water	N	N	✓	✓	2	
FB-3-6-26-19	6-26-19	1130	G	Water	N	N	✓	✓	2	

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time: 6-27-19 1515	Company ACC	Received by:	Date/Time: 6/27/19 1515	Company CTS
Relinquished by: 6/27/19	Date/Time: 1530	Company CTA	Received by:	Date/Time: 6-28-19	Company TAL H
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 700	Company

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

Ver: 08/04/2016

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ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE

NORCROSS, GA 30093
UNITED STATES US

TO **SAMPLE RECEIVING**
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058 REF:
INV:
PO:

FedEx Express

1 of 2

TRK# 0201 **4651 0082 5408**

FRI - 28 JUN 3:00P
STANDARD OVERNIGHT

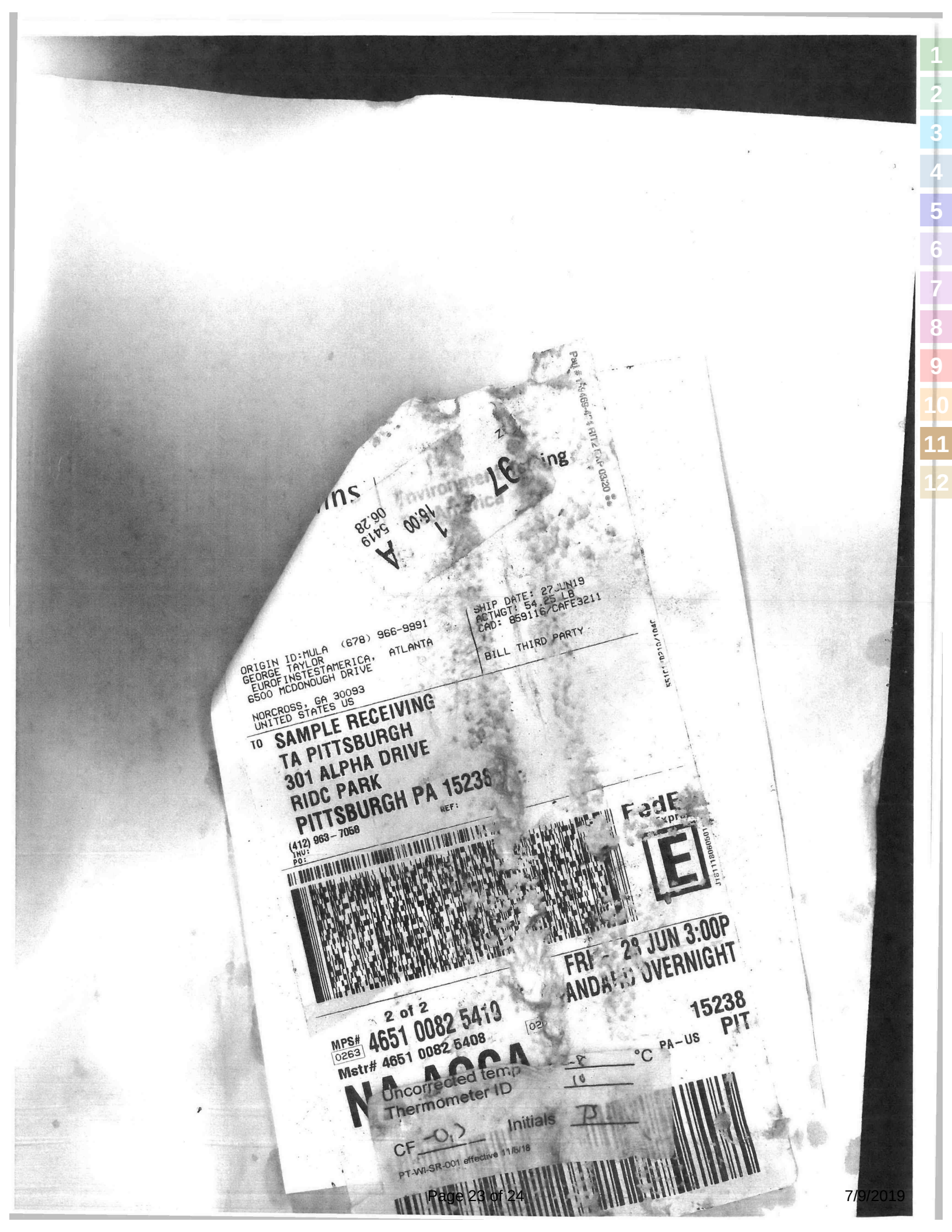
MASTER

NA AGCA

15238
PA-US **PIT**

180-92056 Waybill

Uncorrected temp 26 °C
Thermometer ID 10
CF -0.3 Initials TB
PT-WI-SR-001 effective 11/8/18


ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE
NORCROSS, GA 30093
UNITED STATES US
SHIP DATE: 27JUN19
ACTWGT: 54.25 LB
CAD: 859116/CAFE3211
BILL THIRD PARTY
TO SAMPLE RECEIVING
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15236
(412) 963-7058
REF:
INV:
PO:
FedEx Express
FRI - 28 JUN 3:00P
STANDARD OVERNIGHT
15238
PIT
PA-US
2 of 2
MPS# 4651 0082 5413
Mstr# 4651 0082 5408
Uncorrected temp
Thermometer ID
Initials
CF
PT-WI-SR-001 effective 11/5/18

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-92056-2
SDG Number: State Metals

Login Number: 92056
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh

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

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ANALYTICAL REPORT

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

Laboratory Job ID: 180-92057-1
Laboratory Sample Delivery Group: SW
Client Project/Site: CCR - Plant Wansley State Metals

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

Attn: Joju Abraham

Authorized for release by:
7/9/2019 2:08:05 PM

Veronica Bortot, Senior Project Manager
(412)963-2435
veronica.bortot@testamericainc.com

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.

PA Lab ID: 02-00416

Table of Contents

Case Narrative

Client: Southern Company
Project/Site: CCR - Plant Wansley State Metals

Job ID: 180-92057-1
SDG: SW

Job ID: 180-92057-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-92057-1

Comments
No additional comments.

Receipt
The samples were received on 6/28/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.3º C and 2.5º C.

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

Definitions/Glossary

Client: Southern Company
Project/Site: CCR - Plant Wansley State Metals

Job ID: 180-92057-1
SDG: SW

Qualifiers

Metals

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

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

Accreditation/Certification Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley State Metals

Job ID: 180-92057-1
SDG: SW

Laboratory: Eurofins TestAmerica, Pittsburgh

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
Arkansas DEQ	State Program	6	88-0690	06-27-20
California	State		2891	04-30-20
California	State Program	9	2891	04-30-20
Connecticut	State Program	1	PH-0688	09-30-20
Florida	NELAP	4	E871008	06-30-20
Florida	NELAP		E871008	06-30-20
Illinois	NELAP	5	200005	06-30-20
Illinois	NELAP		004375	06-30-20
Kansas	NELAP	7	E-10350	01-31-20
Kentucky (UST)	State Program	4	162013	04-30-20
Kentucky (WW)	State Program	4	KY98043	12-31-19
Louisiana	NELAP	6	04041	06-30-20
Minnesota	NELAP Secondary AB	5	042-999-482	12-31-19
Nevada	State		PA00164	07-31-19
Nevada	State Program	9	PA00164	07-31-19
New Hampshire	NELAP	1	2030	04-04-20
New Jersey	NELAP	2	PA005	06-30-20
New York	NELAP	2	11182	03-31-20
New York	NELAP		11182	04-01-20
North Carolina (WW/SW)	State Program	4	434	12-31-19
Oregon	NELAP	10	PA-2151	02-06-20
Oregon	NELAP		PA-2151	02-06-20
Pennsylvania	NELAP	3	02-00416	04-30-20
Pennsylvania	NELAP		02-00416	04-30-20
Rhode Island	State		LAO00362	12-30-19
Rhode Island	State Program	1	LAO00362	12-30-19
South Carolina	State Program	4	89014	04-30-20
Texas	NELAP	6	T104704528-15-2	03-31-20
Texas	NELAP		T104704528	03-31-20
US Fish & Wildlife	Federal		LE94312A-1	07-31-19
US Fish & Wildlife	US Federal Programs		058448	07-31-20
USDA	Federal		P-Soil-01	06-26-22
Utah	NELAP	8	PA001462015-4	05-31-20
Virginia	NELAP	3	460189	09-14-19
Virginia	NELAP		10043	09-14-19
West Virginia DEP	State		142	01-31-20
West Virginia DEP	State Program	3	142	01-31-20
Wisconsin	State		998027800	08-31-19
Wisconsin	State Program	5	998027800	08-31-19

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley State Metals

Job ID: 180-92057-1
SDG: SW

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-92057-1	SWC-5	Surface Water	06/27/19 11:00	06/28/19 09:00	
180-92057-2	SWA-6	Surface Water	06/27/19 11:20	06/28/19 09:00	
180-92057-3	SWC-3	Surface Water	06/27/19 11:45	06/28/19 09:00	
180-92057-4	SWC-2	Surface Water	06/27/19 12:00	06/28/19 09:00	
180-92057-5	SWA-1	Surface Water	06/27/19 12:15	06/28/19 09:00	
180-92057-6	SWC-7	Surface Water	06/27/19 12:40	06/28/19 09:00	

Method Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley State Metals

Job ID: 180-92057-1
SDG: SW

Method	Method Description	Protocol	Laboratory
EPA 6020	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

Protocol References:

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

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley State Metals

Job ID: 180-92057-1
SDG: SW

Client Sample ID: SWC-5
Date Collected: 06/27/19 11:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-1
Matrix: Surface Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:35	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283911	07/03/19 17:26	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 15:15	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: SWA-6
Date Collected: 06/27/19 11:20
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-2
Matrix: Surface Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:39	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283911	07/03/19 17:26	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 15:16	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: SWC-3
Date Collected: 06/27/19 11:45
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-3
Matrix: Surface Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:42	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:24	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: SWC-2
Date Collected: 06/27/19 12:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-4
Matrix: Surface Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:46	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:25	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley State Metals

Job ID: 180-92057-1
SDG: SW

Client Sample ID: SWA-1
Date Collected: 06/27/19 12:15
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-5
Matrix: Surface Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:56	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:26	RJR	TAL PIT
	Instrument ID: HGY									

Client Sample ID: SWC-7
Date Collected: 06/27/19 12:40
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-6
Matrix: Surface Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283522	07/01/19 07:56	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 17:59	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		1			283958	07/04/19 14:27	RJR	TAL PIT
	Instrument ID: HGY									

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

Analyst References:
Lab: TAL PIT
Batch Type: Prep
KAK = Kayla Kalamasz
RJR = Ron Rosenbaum
Batch Type: Analysis
RJR = Ron Rosenbaum
RSK = Robert Kurtz

Client Sample ID: SWC-5

Date Collected: 06/27/19 11:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-1
Matrix: Surface Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:35	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:35	1
Barium	**0.080**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:35	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:35	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:35	1
Cobalt	**0.011**		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:35	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:35	1
Copper	**0.0052**		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:35	1
Nickel	**0.0056**		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:35	1
Lead	**0.00023**	**J**	0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:35	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:35	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:35	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:35	1
Vanadium	**0.0011**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:35	1
Zinc	**0.010**		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:35	1
Calcium	**14**		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:35	1
Boron	**0.16**		0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:35	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 15:15	1

Client Sample ID: SWA-6

Date Collected: 06/27/19 11:20
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-2
Matrix: Surface Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:39	1
Arsenic	**0.00047**	**J**	0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:39	1
Barium	**0.019**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:39	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:39	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:39	1
Cobalt	**0.00022**	**J**	0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:39	1
Chromium	**0.0023**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:39	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:39	1
Nickel	**0.00033**	**J**	0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:39	1
Lead	**0.0011**		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:39	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:39	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:39	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:39	1
Vanadium	**0.0014**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:39	1
Zinc	**0.0033**	**J**	0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:39	1
Calcium	**6.2**		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:39	1
Boron	**0.13**		0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:39	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 15:16	1

Client Sample ID: SWC-3

Date Collected: 06/27/19 11:45
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-3

Matrix: Surface Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:42	1
Arsenic	**0.0025**		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:42	1
Barium	**0.076**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:42	1
Beryllium	**0.00041**	**J**	0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:42	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:42	1
Cobalt	**0.098**		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:42	1
Chromium	**0.0063**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:42	1
Copper	**0.0053**		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:42	1
Nickel	**0.0058**		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:42	1
Lead	**0.0045**		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:42	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:42	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:42	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:42	1
Vanadium	**0.016**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:42	1
Zinc	**0.016**		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:42	1
Calcium	**8.2**		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:42	1
Boron	**0.047**	**J**	0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:42	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:24	1

Client Sample ID: SWC-2

Date Collected: 06/27/19 12:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-4

Matrix: Surface Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:46	1
Arsenic	**0.0012**		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:46	1
Barium	**0.050**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:46	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:46	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:46	1
Cobalt	**0.0043**		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:46	1
Chromium	**0.0029**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:46	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:46	1
Nickel	**0.00037**	**J**	0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:46	1
Lead	**0.00018**	**J**	0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:46	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:46	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:46	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:46	1
Vanadium	**0.0017**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:46	1
Zinc	**0.0034**	**J**	0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:46	1
Calcium	**16**		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:46	1
Boron	**0.031**	**J**	0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:46	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:25	1

Client Sample ID: SWA-1

Date Collected: 06/27/19 12:15
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-5

Matrix: Surface Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:56	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:56	1
Barium	**0.013**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:56	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:56	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:56	1
Cobalt	**0.00012**	**J**	0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:56	1
Chromium	**0.0023**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:56	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:56	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:56	1
Lead	**0.00021**	**J**	0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:56	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:56	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:56	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:56	1
Vanadium	**0.0018**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:56	1
Zinc	**0.0057**		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:56	1
Calcium	**2.4**		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:56	1
Boron	**0.032**	**J**	0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:56	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:26	1

Client Sample ID: SWC-7

Date Collected: 06/27/19 12:40
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92057-6

Matrix: Surface Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 17:59	1
Arsenic	**0.00041**	**J**	0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 17:59	1
Barium	**0.020**		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 17:59	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 17:59	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:59	1
Cobalt	**0.00032**	**J**	0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 17:59	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 17:59	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 17:59	1
Nickel	**0.00041**	**J**	0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 17:59	1
Lead	**0.00016**	**J**	0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:59	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 17:59	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 17:59	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 17:59	1
Vanadium	**0.0015**		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 17:59	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 17:59	1
Calcium	**6.9**		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 17:59	1
Boron	**0.14**		0.080	0.030	mg/L		07/01/19 07:56	07/05/19 17:59	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:27	1

Method: EPA 6020 - Metals (ICP/MS)

Lab Sample ID: MB 180-283522/1-A
Matrix: Water
Analysis Batch: 284064

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:56	07/05/19 16:34	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:56	07/05/19 16:34	1
Barium	<0.0015		0.010	0.0015	mg/L		07/01/19 07:56	07/05/19 16:34	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:56	07/05/19 16:34	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:34	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:56	07/05/19 16:34	1
Chromium	<0.0015		0.0020	0.0015	mg/L		07/01/19 07:56	07/05/19 16:34	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:56	07/05/19 16:34	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:56	07/05/19 16:34	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:34	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:56	07/05/19 16:34	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:56	07/05/19 16:34	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:56	07/05/19 16:34	1
Vanadium	<0.00090		0.0010	0.00090	mg/L		07/01/19 07:56	07/05/19 16:34	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:56	07/05/19 16:34	1
Calcium	<0.12		0.50	0.12	mg/L		07/01/19 07:56	07/05/19 16:34	1

Lab Sample ID: LCS 180-283522/2-A
Matrix: Water
Analysis Batch: 284064

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283522

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.250	0.249		mg/L		100	80 - 120
Arsenic	1.00	0.906		mg/L		91	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.508		mg/L		102	80 - 120
Cadmium	0.500	0.519		mg/L		104	80 - 120
Cobalt	0.500	0.461		mg/L		92	80 - 120
Chromium	0.500	0.519		mg/L		104	80 - 120
Copper	0.500	0.453		mg/L		91	80 - 120
Nickel	0.500	0.523		mg/L		105	80 - 120
Lead	0.500	0.527		mg/L		105	80 - 120
Antimony	0.250	0.273		mg/L		109	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Thallium	1.00	1.11		mg/L		111	80 - 120
Vanadium	0.500	0.517		mg/L		103	80 - 120
Zinc	0.250	0.231		mg/L		92	80 - 120
Calcium	25.0	25.7		mg/L		103	80 - 120

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-283910/1-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:13	1

Method: EPA 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-283910/2-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283910

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00250	0.00244		mg/L		97	80 - 120		

Lab Sample ID: MB 180-283911/1-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283911

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:26	07/04/19 14:52	1

Lab Sample ID: LCS 180-283911/2-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283911

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.00250	0.00250		mg/L		100	80 - 120		

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley State Metals

Job ID: 180-92057-1
SDG: SW

Metals

Prep Batch: 283522

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92057-1	SWC-5	Total Recoverable	Surface Water	3005A	
180-92057-2	SWA-6	Total Recoverable	Surface Water	3005A	
180-92057-3	SWC-3	Total Recoverable	Surface Water	3005A	
180-92057-4	SWC-2	Total Recoverable	Surface Water	3005A	
180-92057-5	SWA-1	Total Recoverable	Surface Water	3005A	
180-92057-6	SWC-7	Total Recoverable	Surface Water	3005A	
MB 180-283522/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-283522/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 283910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92057-3	SWC-3	Total/NA	Surface Water	7470A	
180-92057-4	SWC-2	Total/NA	Surface Water	7470A	
180-92057-5	SWA-1	Total/NA	Surface Water	7470A	
180-92057-6	SWC-7	Total/NA	Surface Water	7470A	
MB 180-283910/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-283910/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 283911

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92057-1	SWC-5	Total/NA	Surface Water	7470A	
180-92057-2	SWA-6	Total/NA	Surface Water	7470A	
MB 180-283911/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-283911/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 283958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92057-1	SWC-5	Total/NA	Surface Water	EPA 7470A	283911
180-92057-2	SWA-6	Total/NA	Surface Water	EPA 7470A	283911
180-92057-3	SWC-3	Total/NA	Surface Water	EPA 7470A	283910
180-92057-4	SWC-2	Total/NA	Surface Water	EPA 7470A	283910
180-92057-5	SWA-1	Total/NA	Surface Water	EPA 7470A	283910
180-92057-6	SWC-7	Total/NA	Surface Water	EPA 7470A	283910
MB 180-283910/1-A	Method Blank	Total/NA	Water	EPA 7470A	283910
MB 180-283911/1-A	Method Blank	Total/NA	Water	EPA 7470A	283911
LCS 180-283910/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	283910
LCS 180-283911/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	283911

Analysis Batch: 284064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92057-1	SWC-5	Total Recoverable	Surface Water	EPA 6020	283522
180-92057-2	SWA-6	Total Recoverable	Surface Water	EPA 6020	283522
180-92057-3	SWC-3	Total Recoverable	Surface Water	EPA 6020	283522
180-92057-4	SWC-2	Total Recoverable	Surface Water	EPA 6020	283522
180-92057-5	SWA-1	Total Recoverable	Surface Water	EPA 6020	283522
180-92057-6	SWC-7	Total Recoverable	Surface Water	EPA 6020	283522
MB 180-283522/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283522
LCS 180-283522/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283522

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information

Client Contact: Joju Abraham	Sampler: H. AULD	Lab PM: Bortot, Veronica	Carrier Tracking No(s):	COC No:
	Phone: (770)594-5995	E-Mail: veronica.bortot@testamericainc.com		Page:
Company: Southern Company				Job #:
Address: PO BOX 2641 GSC8	Due Date Requested:			
City: Birmingham	TAT Requested (days): 3 DAY			
State, Zip: AL, 35291				
Phone:	PO #: SCS10347656			
Email: JAbraham@southernco.com	WO #:			
Project Name: CCR - Plant Wansley - Landfill	Project #: 18019922			
Site: Georgia	SSOW#:			

Analysis Requested

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

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	State Permit Metals (EPA 6020 & 7470) As,B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	D	X	
SWC-5	6-27-19	1100	G	Water	N	N	✓	1	STATE METALS LIST ONLY
SWA-6	6-27-19	1120	G	Water	N	N	✓	1	
SWC-3	6-27-19	1145	G	Water	N	N	✓	1	
SWC-2	6-27-19	1200	G	Water	N	N	✓	1	
SWA-1	6-27-19	1215	G	Water	N	N	✓	1	
SWC-7	6-27-19	1240	G	Water	N	N	✓	1	
				Water					
				Water					
				Water					
				Water					
				Water					

180-92057 Chain of Custody

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

Sample Disposal (A fee may be assessed i...
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ________ Months

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:		Time:	Method of Shipment:	
Relinquished by: [signature]	Date/Time: 6-27-19 1515	Company: ACC	Received by: [signature]	Date/Time: 6/27/19 1515	Company: ETA
Relinquished by: [signature]	Date/Time: 6/27/19 1530	Company: ETA	Received by: [signature]	Date/Time: 6-28-19 900	Company: TA PIT
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

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

Ver: 08/04/2016


ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE
NORCROSS, GA 30093
UNITED STATES US
SHIP DATE: 27JUN19
ACTWGT: 54.25 LB
CAD: 859116/CAFE3211
BILL THIRD PARTY
TO SAMPLE RECEIVING
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15236
(412) 963-7058
REF:
PO:
FRI - 28 JUN 3:00P
STANDARD OVERNIGHT
15238
PIT
2 of 2
MPS# 4651 0082 5419
Mstr# 4651 0082 5408
PA-US
Uncorrected temp
Thermometer ID
Initials
CF
PT-WI-SR-001 effective 11/5/18
180-92057 Waybill

eurofins | En Te

ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE

NORCROSS, GA 30093
UNITED STATES US

TO **SAMPLE RECEIVING**
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO:

FedEx Express

1 of 2

TRK# 0201 4651 0082 5408

MASTER

NA AGCA

FRI - 28 JUN 3:00P
STANDARD OVERNIGHT

15238
PA-US PIT

Uncorrected temp 2.6 °C
Thermometer ID 10
CF -0.3 Initials TB

PT-WI-SR-001 effective 11/8/18

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-92057-1
SDG Number: SW

Login Number: 92057
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh

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

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

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

Laboratory Job ID: 180-92058-1
Laboratory Sample Delivery Group: Effluent
Client Project/Site: CCR - Plant Wansley

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

Attn: Joju Abraham

Authorized for release by:
7/9/2019 2:28:14 PM

Veronica Bortot, Senior Project Manager
(412)963-2435
veronica.bortot@testamericainc.com

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.

PA Lab ID: 02-00416

Table of Contents

Case Narrative

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92058-1
SDG: Effluent

Job ID: 180-92058-1

Laboratory: Eurofins TestAmerica, Pittsburgh

Narrative

Job Narrative
180-92058-1

Comments
No additional comments.

Receipt
The samples were received on 6/28/2019 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.3º C and 2.5º C.

Metals
Method(s) 6020, 6020A: The continuing calibration verification (CCV) associated with batch 180-284064 recovered above the upper control limit for boron. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 6020, 6020A: The continuing calibration blank (CCB) associated with batch 180-284064 recovered above the upper control limit for boron. The samples associated with this CCB were non-detects for the affected analytes; therefore, the data have been reported.

Method(s) 7470A: The following sample was diluted to bring the concentration of mercury to within the instrument's calibration range: EFFLUENT UNIT 1 (180-92058-1). Elevated reporting limits (RLs) are provided.

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

Definitions/Glossary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92058-1
SDG: Effluent

Qualifiers

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)

Accreditation/Certification Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92058-1
SDG: Effluent

Laboratory: Eurofins TestAmerica, Pittsburgh

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
Arkansas DEQ	State Program	6	88-0690	06-27-20
California	State		2891	04-30-20
California	State Program	9	2891	04-30-20
Connecticut	State Program	1	PH-0688	09-30-20
Florida	NELAP	4	E871008	06-30-20
Florida	NELAP		E871008	06-30-20
Illinois	NELAP	5	200005	06-30-20
Illinois	NELAP		004375	06-30-20
Kansas	NELAP	7	E-10350	01-31-20
Kentucky (UST)	State Program	4	162013	04-30-20
Kentucky (WW)	State Program	4	KY98043	12-31-19
Louisiana	NELAP	6	04041	06-30-20
Minnesota	NELAP Secondary AB	5	042-999-482	12-31-19
Nevada	State		PA00164	07-31-19
Nevada	State Program	9	PA00164	07-31-19
New Hampshire	NELAP	1	2030	04-04-20
New Jersey	NELAP	2	PA005	06-30-20
New York	NELAP	2	11182	03-31-20
New York	NELAP		11182	04-01-20
North Carolina (WW/SW)	State Program	4	434	12-31-19
Oregon	NELAP	10	PA-2151	02-06-20
Oregon	NELAP		PA-2151	02-06-20
Pennsylvania	NELAP	3	02-00416	04-30-20
Pennsylvania	NELAP		02-00416	04-30-20
Rhode Island	State		LAO00362	12-30-19
Rhode Island	State Program	1	LAO00362	12-30-19
South Carolina	State Program	4	89014	04-30-20
Texas	NELAP	6	T104704528-15-2	03-31-20
Texas	NELAP		T104704528	03-31-20
US Fish & Wildlife	Federal		LE94312A-1	07-31-19
US Fish & Wildlife	US Federal Programs		058448	07-31-20
USDA	Federal		P-Soil-01	06-26-22
Utah	NELAP	8	PA001462015-4	05-31-20
Virginia	NELAP	3	460189	09-14-19
Virginia	NELAP		10043	09-14-19
West Virginia DEP	State		142	01-31-20
West Virginia DEP	State Program	3	142	01-31-20
Wisconsin	State		998027800	08-31-19
Wisconsin	State Program	5	998027800	08-31-19

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92058-1
SDG: Effluent

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
180-92058-1	EFFLUENT UNIT 1	Water	06/27/19 13:00	06/28/19 09:00	

Method Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92058-1
SDG: Effluent

Method	Method Description	Protocol	Laboratory
EPA 6020	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

Protocol References:

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

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92058-1
SDG: Effluent

Client Sample ID: EFFLUENT UNIT 1

Date Collected: 06/27/19 13:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92058-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	283521	07/01/19 07:54	RJR	TAL PIT
Total Recoverable	Analysis	EPA 6020		1			284064	07/05/19 15:57	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			50 mL	50 mL	283910	07/03/19 17:24	KAK	TAL PIT
Total/NA	Analysis	EPA 7470A		2			283963	07/05/19 06:23	RJR	TAL PIT
	Instrument ID: HGY									

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KAK = Kayla Kalamasz

RJR = Ron Rosenbaum

Batch Type: Analysis

RJR = Ron Rosenbaum

RSK = Robert Kurtz

Client Sample ID: EFFLUENT UNIT 1

Date Collected: 06/27/19 13:00
Date Received: 06/28/19 09:00

Lab Sample ID: 180-92058-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 15:57	1
Arsenic	**0.046**		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 15:57	1
Barium	**0.21**	**B**	0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 15:57	1
Beryllium	**0.0010**		0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 15:57	1
Cadmium	**0.0014**		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:57	1
Cobalt	**0.0048**		0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 15:57	1
Chromium	**0.032**		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 15:57	1
Copper	**0.018**		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 15:57	1
Nickel	**0.035**		0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 15:57	1
Lead	**0.022**		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:57	1
Antimony	**0.0029**		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 15:57	1
Selenium	**0.29**		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 15:57	1
Thallium	**0.0015**		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 15:57	1
Vanadium	**0.019**		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 15:57	1
Zinc	**0.041**		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 15:57	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.015**		0.00040	0.00020	mg/L		07/03/19 17:24	07/05/19 06:23	2

Method: EPA 6020 - Metals (ICP/MS)

Lab Sample ID: MB 180-283521/1-A
Matrix: Water
Analysis Batch: 284064

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 283521

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.00012		0.0010	0.00012	mg/L		07/01/19 07:54	07/05/19 14:52	1
Arsenic	<0.00032		0.0010	0.00032	mg/L		07/01/19 07:54	07/05/19 14:52	1
Barium	0.00235	J	0.010	0.0015	mg/L		07/01/19 07:54	07/05/19 14:52	1
Beryllium	<0.00016		0.0010	0.00016	mg/L		07/01/19 07:54	07/05/19 14:52	1
Cadmium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 14:52	1
Cobalt	<0.000075		0.00050	0.000075	mg/L		07/01/19 07:54	07/05/19 14:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		07/01/19 07:54	07/05/19 14:52	1
Copper	<0.00063		0.0020	0.00063	mg/L		07/01/19 07:54	07/05/19 14:52	1
Nickel	<0.00031		0.0010	0.00031	mg/L		07/01/19 07:54	07/05/19 14:52	1
Lead	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 14:52	1
Antimony	<0.00038		0.0020	0.00038	mg/L		07/01/19 07:54	07/05/19 14:52	1
Selenium	<0.0026		0.0050	0.0026	mg/L		07/01/19 07:54	07/05/19 14:52	1
Thallium	<0.00013		0.0010	0.00013	mg/L		07/01/19 07:54	07/05/19 14:52	1
Vanadium	<0.00090		0.0010	0.00090	mg/L		07/01/19 07:54	07/05/19 14:52	1
Zinc	<0.0032		0.0050	0.0032	mg/L		07/01/19 07:54	07/05/19 14:52	1

Lab Sample ID: LCS 180-283521/2-A
Matrix: Water
Analysis Batch: 284092

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 283521

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	0.250	0.253		mg/L		101	80 - 120
Arsenic	1.00	1.08		mg/L		108	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	0.500	0.505		mg/L		101	80 - 120
Cadmium	0.500	0.524		mg/L		105	80 - 120
Cobalt	0.500	0.545		mg/L		109	80 - 120
Chromium	0.500	0.539		mg/L		108	80 - 120
Copper	0.500	0.547		mg/L		109	80 - 120
Nickel	0.500	0.554		mg/L		111	80 - 120
Lead	0.500	0.532		mg/L		106	80 - 120
Antimony	0.250	0.273		mg/L		109	80 - 120
Selenium	1.00	1.07		mg/L		107	80 - 120
Thallium	1.00	1.08		mg/L		108	80 - 120
Vanadium	0.500	0.537		mg/L		107	80 - 120
Zinc	0.250	0.278		mg/L		111	80 - 120

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-283910/1-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 283910

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00010		0.00020	0.00010	mg/L		07/03/19 17:24	07/04/19 14:13	1

Method: EPA 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-283910/2-A
Matrix: Water
Analysis Batch: 283958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 283910

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00244		mg/L		97	80 - 120

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

Job ID: 180-92058-1
SDG: Effluent

Metals

Prep Batch: 283521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92058-1	EFFLUENT UNIT 1	Total Recoverable	Water	3005A	
MB 180-283521/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-283521/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 283910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92058-1	EFFLUENT UNIT 1	Total/NA	Water	7470A	
MB 180-283910/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-283910/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 283958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-283910/1-A	Method Blank	Total/NA	Water	EPA 7470A	283910
LCS 180-283910/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	283910

Analysis Batch: 283963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92058-1	EFFLUENT UNIT 1	Total/NA	Water	EPA 7470A	283910

Analysis Batch: 284064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-92058-1	EFFLUENT UNIT 1	Total Recoverable	Water	EPA 6020	283521
MB 180-283521/1-A	Method Blank	Total Recoverable	Water	EPA 6020	283521

Analysis Batch: 284092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-283521/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020	283521

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

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: ~~D. FOX~~ H. Auld	Lab PM: Bortot, Veronica	Carrier Tracking No(s):	COC No:
Client Contact: Joju Abraham	Phone: (770) 549-3496	E-Mail: veronica.bortot@testamericainc.com		Page:
Company: Southern Company				Job #:
Address: PO BOX 2641 GSC8	Due Date Requested:			
City: Birmingham	TAT Requested (days): 3 DAY			
State, Zip: AL, 35291				
Phone:	PO #: SCS10347656			
Email: JAbraham@southernco.com	WO #:			
Project Name: CCR - Plant Wansley - Landfill	Project #: 18019922			
Site: Georgia	SSOW#:			

Analysis Requested

Preservation Codes:

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

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	State Permit Metals (EPA 6020 & 7470) As, B, Ba, Be, Ca Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D		
Effluent Unit 1	6-27-19	1300	G	Water	N	N	✓	1	STATE METALS LIST ONLY
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					
				Water					

180-92058 Chain of Custody

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

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	6-27-19 1515	ACC	6/27/19	15ET	ETA
Relinquished by: 6/27/19	Date/Time: 1530	Company ETA	Received by:	Date/Time: 6-28-19 900	Company TAPIT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Ver: 08/04/2016

eurofins | En Te

ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE

NORCROSS, GA 30093
UNITED STATES US

TO **SAMPLE RECEIVING**
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238

(412) 963-7058 REF:
INV:
PO:

180-92058 Waybill

FedEx Express

1 of 2

TRK# 0201 4651 0082 5408

MASTER

NA AGCA

FRI - 28 JUN 3:00P
STANDARD OVERNIGHT

15238
PA-US **PIT**

Uncorrected temp 2.6 °C
Thermometer ID 10
CF -0.3 Initials TB

PT-WI-SR-001 effective 11/8/18


ORIGIN ID:MULA (678) 966-9991
GEORGE TAYLOR
EUROFINSTESTAMERICA, ATLANTA
6500 MCDONOUGH DRIVE
NORCROSS, GA 30093
UNITED STATES US
SHIP DATE: 27JUN19
ACTWGT: 54.25 LB
CAD: 859116/CAFE3211
BILL THIRD PARTY
TO SAMPLE RECEIVING
TA PITTSBURGH
301 ALPHA DRIVE
RIDC PARK
PITTSBURGH PA 15238
(412) 963-7058
REF:
INV:
PO:
FedEx Express
FRI - 28 JUN 3:00P
STANDARD OVERNIGHT
15238
PIT
2 of 2
MPS# 4651 0082 5419
Mstr# 4651 0082 5408
PA-US
°C
Uncorrected temp
Thermometer ID
Initials
CF
PT-WI-SR-001 effective 11/5/18

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-92058-1
SDG Number: Effluent

Login Number: 92058
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins TestAmerica, Pittsburgh

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

Product Name: Low-Flow System

Date: 2019-06-27 13:07:00

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	
Company Name	ACC	Tubing Type	
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	in
Site Name	Plant Wansley	Tubing Length	ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	ft

Well Information:		Pumping Information:	
Well ID	Effluent Unit 1	Final Pumping Rate	0 mL/min
Well diameter	in	Total System Volume	0.09 L
Well Total Depth	ft	Calculated Sample Rate	60 sec
Screen Length	ft	Stabilization Drawdown	0 in
Depth to Water	ft	Total Volume Pumped	0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	13:04:14	60.03	34.45	6.19	8217.71	136.00	--	6.45	63.85
Last 5	13:05:14	120.03	34.41	6.32	8268.21	136.00	--	6.54	60.36
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.04	0.12	50.50			0.09	-3.49
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Sampled at 1300 on 6-27-19. Sunny, 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-24 16:32:30

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	Peristaltic Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	44 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hack 2100Q	Pump placement from TOC	39 ft

Well Information:		Pumping Information:	
Well ID	GWA-1	Final Pumping Rate	100 mL/min
Well diameter	2 in	Total System Volume	0.2863906 L
Well Total Depth	49.85 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	27 in
Depth to Water	18.45 ft	Total Volume Pumped	3.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.2	+/- 5%	+/- 10		+/- 10%	+/- 0
Last 5	16:09:18	900.02	22.07	5.31	22.04	2.80	20.60	5.64	112.00
Last 5	16:14:18	1200.01	22.56	5.30	23.68	3.50	20.60	6.65	116.76
Last 5	16:19:18	1500.01	22.60	5.30	21.34	3.90	20.60	5.77	115.80
Last 5	16:24:18	1800.01	22.51	5.29	21.33	3.30	20.70	5.82	118.23
Last 5	16:29:18	2100.00	22.33	5.30	21.46	3.20	20.70	5.64	118.90
Variance 0			0.05	-0.00	-2.34			-0.88	-0.96
Variance 1			-0.10	-0.02	-0.00			0.05	2.43
Variance 2			-0.17	0.01	0.12			-0.19	0.67

Notes

Sampled at 1630 on 6-24-19. Cloudy, 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-24 14:59:45

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	QED Sample Pro BP
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	65 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	55 ft

Well Information:		Pumping Information:	
Well ID	GWA-2	Final Pumping Rate	240 mL/min
Well diameter	2 in	Total System Volume	0.7751225 L
Well Total Depth	60.07 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2 in
Depth to Water	41.53 ft	Total Volume Pumped	20 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	14:35:07	3904.26	19.06	5.74	72.90	8.10	40.70	6.78	71.29
Last 5	14:40:08	4205.26	19.15	5.74	72.91	7.20	40.70	6.77	71.08
Last 5	14:45:08	4505.26	19.33	5.74	72.58	6.20	40.70	6.63	71.17
Last 5	14:50:08	4805.26	19.42	5.75	72.94	5.40	40.70	6.72	71.02
Last 5	14:55:10	5107.26	19.52	5.75	72.86	4.20	40.70	6.67	70.34
Variance 0			0.18	-0.00	-0.32			-0.14	0.09
Variance 1			0.08	0.01	0.36			0.08	-0.15
Variance 2			0.11	-0.00	-0.08			-0.04	-0.68

Notes

Sampled at 1455 on 6-24-19. 87F cloudy.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-24 16:55:46

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	QED Sample Pro BP
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	35 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	27 ft

Well Information:		Pumping Information:	
Well ID	GWA-3	Final Pumping Rate	150 mL/min
Well diameter	2 in	Total System Volume	0.6412198 L
Well Total Depth	31.16 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	100 in
Depth to Water	21.64 ft	Total Volume Pumped	12 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	16:35:05	3302.38	17.90	5.69	182.71	22.00	26.40	5.36	81.85
Last 5	16:40:05	3602.38	17.90	5.71	183.13	24.00	27.00	5.31	82.07
Last 5	16:45:05	3902.38	17.88	5.67	187.79	20.00	27.50	5.27	82.60
Last 5	16:50:05	4202.38	17.99	5.67	186.64	23.00	27.90	5.30	82.40
Last 5	16:55:06	4503.38	18.15	5.68	187.40	21.00	28.50	5.36	82.34
Variance 0			-0.03	-0.04	4.67			-0.05	0.53
Variance 1			0.11	-0.00	-1.16			0.03	-0.20
Variance 2			0.16	0.01	0.77			0.06	-0.06

Notes

No sample collected. Well purged dry.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 10:03:32

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	QED Sample Pro BP
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	35 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	26 ft

Well Information:		Pumping Information:	
Well ID	GWA-3	Final Pumping Rate	110 mL/min
Well diameter	2 in	Total System Volume	0.6412198 L
Well Total Depth	31.16 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	5 in
Depth to Water	23.30 ft	Total Volume Pumped	2.75 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	09:45:37	300.12	20.24	5.60	194.44	15.00	23.60	5.96	95.88
Last 5	09:50:37	600.02	20.22	5.59	192.96	8.75	23.70	5.85	92.28
Last 5	09:55:38	900.94	20.49	5.58	192.48	8.29	23.70	5.74	89.78
Last 5	10:00:38	1200.94	20.57	5.58	192.07	4.67	23.80	5.72	88.32
Last 5									
Variance 0			-0.02	-0.02	-1.49			-0.10	-3.60
Variance 1			0.27	-0.00	-0.48			-0.11	-2.50
Variance 2			0.08	-0.00	-0.41			-0.02	-1.46

Notes

Sampled at 1000. 77F Sunny.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-24 17:10:29

Project Information:		Pump Information:	
Operator Name	Chris Parker	Pump Model/Type	Peripump
Company Name	ACC	Tubing Type	Poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	41 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	588863		
Turbidity Make/Model	Hach 2100 Q	Pump placement from TOC	35 ft

Well Information:		Pumping Information:	
Well ID	GWA-4	Final Pumping Rate	220 mL/min
Well diameter	2 in	Total System Volume	0.2730004 L
Well Total Depth	40.61 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	3 in
Depth to Water	21.29 ft	Total Volume Pumped	11 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	16:48:42	1499.99	19.41	6.10	305.15	9.37	21.60	1.11	64.43
Last 5	16:53:42	1799.98	19.36	6.12	290.73	7.30	21.60	1.04	61.13
Last 5	16:58:42	2099.97	19.43	6.11	280.88	6.95	21.60	1.00	59.58
Last 5	17:03:42	2399.97	19.95	6.12	270.57	5.11	21.60	0.95	57.42
Last 5	17:08:42	2699.96	19.90	6.12	259.86	4.15	21.60	0.94	56.65
Variance 0			0.07	-0.00	-9.85			-0.04	-1.56
Variance 1			0.52	0.01	-10.31			-0.05	-2.16
Variance 2			-0.05	-0.00	-10.71			-0.01	-0.77

Notes

Sampled at 17:10. Sunny 90s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 11:04:12

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	Peristaltic pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	46 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	466058		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	40 ft

Well Information:		Pumping Information:	
Well ID	GWA-28	Final Pumping Rate	150 mL/min
Well diameter	2 in	Total System Volume	0.2292464 L
Well Total Depth	45.78 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	38 in
Depth to Water	25.10 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	10:40:47	1200.02	21.10	6.02	63.40	1.42	27.70	6.20	146.34
Last 5	10:45:47	1500.01	21.60	6.03	64.03	1.76	27.90	6.38	136.52
Last 5	10:50:47	1800.01	21.48	6.03	63.63	1.42	28.00	6.36	129.72
Last 5	10:55:49	2102.00	21.64	6.03	62.83	0.71	28.10	6.35	123.45
Last 5	11:00:49	2402.00	21.89	6.03	63.07	1.37	28.20	6.33	120.76
Variance 0			-0.12	0.00	-0.40			-0.02	-6.80
Variance 1			0.16	-0.00	-0.80			-0.01	-6.27
Variance 2			0.25	-0.00	0.24			-0.02	-2.69

Notes

Sampled at 11:00. Sunny, high 80’s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 11:46:55

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	QED Sample Pro BP
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	65 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	52 ft

Well Information:		Pumping Information:	
Well ID	GWA-29	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.7751225 L
Well Total Depth	57.13 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	12 in
Depth to Water	43.35 ft	Total Volume Pumped	10.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	11:25:45	2101.02	19.82	5.98	89.81	11.00	44.40	5.28	64.91
Last 5	11:30:45	2401.02	19.79	5.96	88.62	9.23	44.40	5.33	65.79
Last 5	11:35:45	2701.08	19.64	5.97	87.42	8.13	44.40	5.40	66.23
Last 5	11:40:45	3001.08	19.77	5.96	86.62	6.44	44.40	5.44	66.49
Last 5	11:45:45	3301.08	19.64	5.96	86.52	4.89	44.40	5.46	67.68
Variance 0			-0.15	0.01	-1.20			0.07	0.44
Variance 1			0.13	-0.01	-0.80			0.04	0.26
Variance 2			-0.13	-0.00	-0.11			0.02	1.19

Notes

Sampled at 1145. Sunny 81F.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 13:13:07

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	Peristaltic Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	40 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	35 ft

Well Information:		Pumping Information:	
Well ID	GWC-5	Final Pumping Rate	110 mL/min
Well diameter	2 in	Total System Volume	0.2685369 L
Well Total Depth	40.68 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	25.44 in
Depth to Water	17.13 ft	Total Volume Pumped	9.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	12:51:14	3600.99	21.62	6.56	334.16	8.10	19.20	0.45	28.08
Last 5	12:56:14	3900.99	21.69	6.52	328.33	7.30	19.20	0.49	29.42
Last 5	13:01:14	4200.99	21.04	6.47	328.19	6.80	19.20	0.61	31.29
Last 5	13:06:14	4500.98	20.68	6.45	326.37	5.60	19.20	0.61	32.90
Last 5	13:11:14	4800.98	20.42	6.42	325.18	4.80	19.25	0.65	34.15
Variance 0			-0.64	-0.06	-0.13			0.13	1.87
Variance 1			-0.36	-0.02	-1.82			-0.01	1.61
Variance 2			-0.27	-0.02	-1.20			0.04	1.25

Notes

Sampled at 1315 on 6-26-19. Cloudy, 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 14:04:45

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	Peristaltic Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	31 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	26 ft

Well Information:		Pumping Information:	
Well ID	GWC-6	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.2283661 L
Well Total Depth	31.08 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2.2 in
Depth to Water	18.12 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	13:42:40	300.03	20.78	5.90	167.88	1.30	18.30	0.30	52.06
Last 5	13:47:40	600.02	20.21	5.86	171.04	1.60	18.30	0.23	54.88
Last 5	13:52:58	918.03	20.19	5.84	171.56	1.40	18.30	0.16	57.03
Last 5	13:57:58	1218.06	20.13	5.82	168.46	1.30	18.30	0.15	58.82
Last 5	14:02:58	1518.04	20.33	5.82	168.64	1.20	18.30	0.27	59.21
Variance 0			-0.02	-0.02	0.53			-0.07	2.15
Variance 1			-0.06	-0.02	-3.10			-0.01	1.79
Variance 2			0.20	-0.00	0.18			0.12	0.39

Notes

Sampled at 1405 on 6-26-19. Cloudy 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 11:11:15

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	Peristaltic Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	26 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	20 ft

Well Information:		Pumping Information:	
Well ID	GWC-7	Final Pumping Rate	80 mL/min
Well diameter	2 in	Total System Volume	0.206049 L
Well Total Depth	25.90 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	21 in
Depth to Water	7.75 ft	Total Volume Pumped	2.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	10:50:26	300.11	22.92	6.18	660.63	1.20	8.90	0.40	83.24
Last 5	10:55:26	600.02	23.05	6.21	659.19	1.00	9.10	0.32	76.02
Last 5	11:00:26	900.02	23.68	6.22	659.33	1.10	9.20	0.31	71.92
Last 5	11:05:26	1200.02	23.05	6.23	655.18	0.50	9.40	0.21	69.08
Last 5	11:10:26	1500.01	23.05	6.23	652.88	0.60	9.50	0.20	66.96
Variance 0			0.63	0.01	0.14			-0.01	-4.10
Variance 1			-0.63	0.01	-4.15			-0.10	-2.84
Variance 2			0.00	0.01	-2.31			-0.01	-2.11

Notes

Sampled at 1115 on 6-25-19. Sunny, 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 12:08:46

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	Peristaltic Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	20 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	15 ft

Well Information:		Pumping Information:	
Well ID	GWC-8	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.1792685 L
Well Total Depth	20.03 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	3.4 in
Depth to Water	9.32 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	11:46:36	317.04	22.07	6.01	283.40	1.80	9.50	0.21	56.75
Last 5	11:51:36	617.02	21.91	5.97	291.52	1.40	9.50	0.16	47.73
Last 5	11:56:36	917.02	21.89	5.90	297.73	1.50	9.55	0.13	41.36
Last 5	12:01:36	1217.01	21.73	5.87	299.68	1.40	9.60	0.12	38.21
Last 5	12:06:36	1517.02	21.56	5.85	305.91	1.20	9.60	0.10	36.93
Variance 0			-0.02	-0.07	6.22			-0.03	-6.37
Variance 1			-0.16	-0.03	1.94			-0.02	-3.15
Variance 2			-0.17	-0.02	6.23			-0.02	-1.28

Notes

Sampled at 1210 on 6-25-19. Sunny, 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 14:15:19

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	Peristaltic Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	19 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	14 ft

Well Information:		Pumping Information:	
Well ID	GWC-9	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.1748051 L
Well Total Depth	19.41 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	6.5 in
Depth to Water	7.56 ft	Total Volume Pumped	14 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	13:35:50	2700.00	23.01	5.72	248.26	7.00	8.10	0.14	31.85
Last 5	13:41:09	3019.01	22.96	5.72	247.20	6.40	8.10	0.13	31.99
Last 5	13:46:09	3318.99	23.05	5.71	247.81	6.50	8.15	0.13	32.04
Last 5	13:51:09	3618.99	22.72	5.72	248.64	5.40	8.15	0.11	32.35
Last 5	13:56:09	3918.99	22.87	5.71	250.13	4.90	8.15	0.11	32.33
Variance 0			0.09	-0.00	0.61			-0.00	0.05
Variance 1			-0.34	0.00	0.83			-0.01	0.31
Variance 2			0.15	-0.00	1.49			-0.00	-0.02

Notes

Sampled at 1400 on 6-25-19. Cloudy, 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 10:51:17

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	Peristaltic Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	22 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	18 ft

Well Information:		Pumping Information:	
Well ID	GWC-10	Final Pumping Rate	100 mL/min
Well diameter	2 in	Total System Volume	0.1881953 L
Well Total Depth	22.0 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	11.3 in
Depth to Water	11.76 ft	Total Volume Pumped	1 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	10:49:54	300.04	20.55	5.78	201.55	8.90	12.70	2.11	44.10
Last 5									
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Sampled at 1055 on 6-26-19. Cloudy 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 15:12:32

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	Peristaltic Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	22 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	18 ft

Well Information:		Pumping Information:	
Well ID	GWC-10	Final Pumping Rate	300 mL/min
Well diameter	2 in	Total System Volume	0.1881953 L
Well Total Depth	22 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	94.6 in
Depth to Water	11.62 ft	Total Volume Pumped	10.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	14:46:22	600.02	20.87	5.88	213.65	6.40	13.80	0.24	53.76
Last 5	14:51:22	900.02	21.09	5.76	207.46	6.20	14.80	0.39	56.66
Last 5	14:56:22	1200.02	21.23	5.74	210.02	4.60	15.90	0.90	57.06
Last 5	15:01:22	1500.02	21.17	5.86	235.86	3.50	16.70	0.72	54.47
Last 5	15:06:22	1800.01	21.07	5.92	229.63	4.40	17.50	0.74	53.68
Variance 0			0.14	-0.02	2.55			0.51	0.39
Variance 1			-0.05	0.12	25.85			-0.17	-2.59
Variance 2			-0.11	0.06	-6.23			0.02	-0.79

Notes

Purged dry. Allow overnight recharge. Sunny, 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 10:26:19

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	Peristaltic Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	18 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	13 ft

Well Information:		Pumping Information:	
Well ID	GWC-11	Final Pumping Rate	250 mL/min
Well diameter	2 in	Total System Volume	0.1703416 L
Well Total Depth	18.23 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0.2 in
Depth to Water	6.83 ft	Total Volume Pumped	7.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	10:01:08	300.09	22.34	5.84	291.53	0.95	6.85	0.41	42.44
Last 5	10:06:08	600.02	22.26	5.90	303.49	1.60	6.85	0.30	29.07
Last 5	10:11:08	900.02	22.27	5.93	316.17	1.20	6.85	0.24	20.16
Last 5	10:16:08	1200.02	22.29	5.95	325.25	1.40	6.85	0.20	13.29
Last 5	10:21:08	1500.01	22.28	5.97	325.12	1.20	6.85	0.16	8.11
Variance 0			0.01	0.03	12.68			-0.06	-8.91
Variance 1			0.02	0.02	9.08			-0.03	-6.87
Variance 2			-0.01	0.01	-0.13			-0.04	-5.19

Notes

Sampled at 1025 on 6-26-19. Cloudy, 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 11:12:03

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	Peristaltic pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	40 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	466058		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	35 ft

Well Information:		Pumping Information:	
Well ID	GWC-12	Final Pumping Rate	80 mL/min
Well diameter	2 in	Total System Volume	0.2110839 L
Well Total Depth	40.63 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	42 in
Depth to Water	27.01 ft	Total Volume Pumped	6.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	10:50:28	3004.98	22.00	7.27	310.87	9.66	30.10	1.30	57.43
Last 5	10:55:28	3304.98	21.91	7.28	311.93	7.63	30.20	1.25	53.54
Last 5	11:00:28	3604.98	21.71	7.29	313.53	7.58	30.30	1.19	42.04
Last 5	11:05:28	3904.96	21.72	7.29	313.35	5.31	30.40	1.17	38.77
Last 5	11:10:28	4204.96	21.73	7.28	313.33	4.45	30.50	1.16	40.75
Variance 0			-0.20	0.01	1.60			-0.06	-11.50
Variance 1			0.02	0.00	-0.18			-0.02	-3.27
Variance 2			0.01	-0.00	-0.02			-0.01	1.97

Notes

Sampled at 11:10. Cloudy, 80's. FB-3 here.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 10:55:19

Project Information:		Pump Information:	
Operator Name	Chris Parker	Pump Model/Type	Peripump
Company Name	ACC	Tubing Type	Poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	90 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	588863		
Turbidity Make/Model	Hach 2100 Q	Pump placement from TOC	85 ft

Well Information:		Pumping Information:	
Well ID	GWC-13	Final Pumping Rate	260 mL/min
Well diameter	2 in	Total System Volume	0.491708 L
Well Total Depth	90.42 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2 in
Depth to Water	5.92 ft	Total Volume Pumped	10.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	10:33:06	600.01	19.11	6.54	70.59	2.23	6.10	3.93	89.04
Last 5	10:38:06	900.00	19.02	6.56	70.12	1.43	6.10	3.95	88.21
Last 5	10:43:06	1199.99	18.94	6.54	69.42	1.54	6.20	4.01	89.15
Last 5	10:48:06	1499.99	18.78	6.54	69.37	1.05	6.20	4.12	89.30
Last 5	10:53:06	1799.98	18.78	6.54	69.92	1.37	6.20	4.32	90.43
Variance 0			-0.08	-0.02	-0.70			0.06	0.94
Variance 1			-0.16	0.00	-0.05			0.11	0.15
Variance 2			-0.00	-0.00	0.56			0.20	1.13

Notes

Sampled at 10:55. Sunny 80s. DUP 1 here

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 12:10:38

Project Information:		Pump Information:	
Operator Name	Chris Parker	Pump Model/Type	Peripump
Company Name	ACC	Tubing Type	Poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	25 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	588863		
Turbidity Make/Model	Hach 2100 Q	Pump placement from TOC	20 ft

Well Information:		Pumping Information:	
Well ID	GWC-14	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.2015856 L
Well Total Depth	24.55 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2 in
Depth to Water	9.53 ft	Total Volume Pumped	9 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	11:47:25	1200.00	18.75	5.46	520.53	11.00	9.70	0.09	94.61
Last 5	11:52:25	1499.99	18.88	5.47	504.40	8.79	9.70	0.09	93.84
Last 5	11:57:25	1799.99	18.82	5.48	503.39	6.27	9.70	0.08	92.93
Last 5	12:02:25	2099.98	18.74	5.49	499.00	5.08	9.70	0.08	92.32
Last 5	12:07:25	2399.97	18.65	5.49	497.90	4.78	9.70	0.07	92.16
Variance 0			-0.06	0.01	-1.01			-0.00	-0.91
Variance 1			-0.08	0.01	-4.39			-0.00	-0.61
Variance 2			-0.09	0.00	-1.11			-0.01	-0.16

Notes

Sampled at 12:10. Sunny 80s

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 13:18:00

Project Information:		Pump Information:	
Operator Name	Chris Parker	Pump Model/Type	Peripump
Company Name	ACC	Tubing Type	Poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	51 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	588863		
Turbidity Make/Model	Hach 2100 Q	Pump placement from TOC	46 ft

Well Information:		Pumping Information:	
Well ID	GWC-15	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.3176346 L
Well Total Depth	51.06 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1 in
Depth to Water	6.48 ft	Total Volume Pumped	8.4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	12:52:51	600.00	19.62	6.44	131.30	2.68	6.60	3.45	96.78
Last 5	12:57:51	899.99	19.41	6.43	132.01	3.25	6.60	3.41	98.61
Last 5	13:02:51	1199.99	19.41	6.43	133.27	2.67	6.60	3.41	100.58
Last 5	13:07:51	1499.98	19.31	6.42	133.09	1.84	6.60	3.38	102.47
Last 5	13:12:51	1799.98	19.42	6.43	131.98	1.30	6.60	3.36	104.13
Variance 0			-0.00	-0.00	1.26			0.00	1.96
Variance 1			-0.10	-0.01	-0.19			-0.03	1.89
Variance 2			0.11	0.01	-1.11			-0.02	1.66

Notes

Sampled at 13:20. Sunny 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 14:27:01

Project Information:		Pump Information:	
Operator Name	Chris Parker	Pump Model/Type	Peripump
Company Name	ACC	Tubing Type	Poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	27 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	588863		
Turbidity Make/Model	Hach 2100 Q	Pump placement from TOC	22 ft

Well Information:		Pumping Information:	
Well ID	GWC-16	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.2105124 L
Well Total Depth	26.97 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	2 in
Depth to Water	10.33 ft	Total Volume Pumped	7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	13:59:28	600.01	20.41	6.09	109.57	1.85	10.40	3.51	113.86
Last 5	14:04:28	899.99	20.69	6.08	109.60	1.68	10.50	3.49	118.74
Last 5	14:09:28	1200.00	19.44	6.06	108.36	1.97	10.50	3.48	125.85
Last 5	14:14:28	1499.99	19.46	6.07	109.18	1.03	10.50	3.51	130.21
Last 5	14:19:28	1799.98	19.81	6.08	108.54	0.81	10.50	3.49	134.08
Variance 0			-1.25	-0.01	-1.24			-0.01	7.10
Variance 1			0.02	0.01	0.82			0.03	4.37
Variance 2			0.35	0.01	-0.64			-0.03	3.87

Notes

Sampled at 14:25. Sunny 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 16:38:40

Project Information:		Pump Information:	
Operator Name	Chris Parker	Pump Model/Type	Peripump
Company Name	ACC	Tubing Type	Poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	53 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	588863		
Turbidity Make/Model	Hach 2100 Q	Pump placement from TOC	48 ft

Well Information:		Pumping Information:	
Well ID	GWC-17	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.3265614 L
Well Total Depth	53.34 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	26 in
Depth to Water	20.43 ft	Total Volume Pumped	16 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	16:16:06	3301.95	19.23	6.18	115.62	1.48	22.80	2.93	185.91
Last 5	16:21:06	3601.94	19.58	6.17	116.85	1.17	22.80	2.55	187.13
Last 5	16:26:06	3901.93	19.99	6.20	118.61	0.96	22.80	2.88	190.40
Last 5	16:31:06	4201.92	19.91	6.13	123.57	1.43	22.70	3.14	192.43
Last 5	16:36:06	4501.92	19.77	6.12	123.43	1.69	22.70	3.07	194.59
Variance 0			0.41	0.03	1.76			0.33	3.27
Variance 1			-0.08	-0.07	4.96			0.25	2.03
Variance 2			-0.14	-0.01	-0.14			-0.06	2.16

Notes

Sampled at 16:40. Sunny 80s. EB-2 here at 15:40- Peripump tubing

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-27 10:21:47

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	Peristaltic Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	30 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	25 ft

Well Information:		Pumping Information:	
Well ID	GWC-18	Final Pumping Rate	150 mL/min
Well diameter	2 in	Total System Volume	0.2239027 L
Well Total Depth	30.51 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1.8 in
Depth to Water	14.05 ft	Total Volume Pumped	4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	09:59:52	300.04	18.57	5.76	96.11	0.70	14.20	0.70	92.71
Last 5	10:04:52	600.02	18.10	5.76	95.15	0.50	14.20	0.61	85.37
Last 5	10:09:52	900.02	18.04	5.78	95.96	0.40	14.20	0.58	81.83
Last 5	10:14:52	1200.02	18.13	5.77	96.38	0.90	14.20	0.57	80.94
Last 5	10:19:52	1500.02	18.02	5.78	95.27	0.40	14.20	0.54	79.96
Variance 0			-0.06	0.01	0.81			-0.03	-3.54
Variance 1			0.09	-0.01	0.41			-0.01	-0.89
Variance 2			-0.11	0.01	-1.10			-0.03	-0.98

Notes

Sampled at 1025 on 6-27-19. EB-4-6-27-19 here at 1010, gloves. Dup-4 here. Cloudy, 70s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 15:02:20

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	Peristaltic pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	38 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	466058		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	33 ft

Well Information:		Pumping Information:	
Well ID	GWC-19	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.2050297 L
Well Total Depth	38.56 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	0 in
Depth to Water	8.72 ft	Total Volume Pumped	0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	14:41:56	3900.97	21.11	5.79	76.76	5.35	9.80	0.17	125.51
Last 5	14:46:56	4200.97	20.91	5.78	77.04	5.92	9.80	0.18	125.87
Last 5	14:51:56	4500.96	20.80	5.78	76.34	5.95	9.80	0.20	125.82
Last 5	14:56:56	4800.96	20.76	5.78	76.63	5.12	9.80	0.21	127.12
Last 5	15:01:56	5100.95	20.88	5.78	77.03	4.88	9.80	0.21	128.57
Variance 0			-0.10	-0.00	-0.70			0.02	-0.05
Variance 1			-0.05	-0.00	0.30			0.01	1.30
Variance 2			0.13	-0.00	0.39			-0.00	1.44

Notes

Sampled at 15:01. Cloudy 80's.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 16:39:36

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	Peristaltic pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	71 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	466058		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	66 ft

Well Information:		Pumping Information:	
Well ID	GWC-20	Final Pumping Rate	200 mL/min
Well diameter	2 in	Total System Volume	0.3049239 L
Well Total Depth	71.08 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	3 in
Depth to Water	5.30 ft	Total Volume Pumped	25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	16:18:55	5710.93	22.00	6.16	110.81	0.45	5.50	1.51	97.74
Last 5	16:23:55	6010.94	21.60	6.14	111.68	0.62	5.50	1.37	96.01
Last 5	16:28:55	6310.94	21.91	6.14	111.16	0.86	5.50	1.31	94.51
Last 5	16:33:55	6610.93	22.27	6.15	110.80	0.82	5.50	1.30	93.73
Last 5	16:38:55	6910.93	21.69	6.15	111.48	0.83	5.50	1.37	93.41
Variance 0			0.31	-0.01	-0.53			-0.05	-1.50
Variance 1			0.36	0.01	-0.36			-0.01	-0.78
Variance 2			-0.58	0.01	0.68			0.07	-0.32

Notes

Sampled at 16:38. Sunny, 80's.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 14:06:40

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	Peristaltic pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	38 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	466058		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	33 ft

Well Information:		Pumping Information:	
Well ID	GWC-21	Final Pumping Rate	110 mL/min
Well diameter	2 in	Total System Volume	0.2050297 L
Well Total Depth	38.30 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	32 in
Depth to Water	13.67 ft	Total Volume Pumped	5.7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	13:45:54	1200.02	21.44	5.36	69.11	0.61	16.20	0.12	114.63
Last 5	13:50:54	1500.02	21.73	5.36	69.70	0.69	16.20	0.11	113.77
Last 5	13:55:55	1801.02	21.55	5.36	69.30	0.89	16.30	0.10	113.12
Last 5	14:00:55	2101.01	21.10	5.36	68.43	0.66	16.30	0.09	113.02
Last 5	14:05:55	2401.00	21.39	5.35	69.31	0.50	16.30	0.09	112.97
Variance 0			-0.18	-0.00	-0.40			-0.01	-0.65
Variance 1			-0.45	0.00	-0.86			-0.00	-0.10
Variance 2			0.29	-0.01	0.87			-0.00	-0.06

Notes

Sampled at 14:05. Sunny, 80's.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 12:54:18

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	Peristaltic pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	77 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	466058		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	72 ft

Well Information:		Pumping Information:	
Well ID	GWC-22	Final Pumping Rate	125 mL/min
Well diameter	2 in	Total System Volume	0.3230864 L
Well Total Depth	77.15 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	10 in
Depth to Water	22.31 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	12:32:13	600.03	20.42	6.62	132.35	0.75	23.00	5.24	111.72
Last 5	12:37:13	900.03	20.30	6.62	132.26	0.75	23.00	5.20	106.11
Last 5	12:42:13	1200.01	20.45	6.65	133.08	0.70	23.00	5.24	102.73
Last 5	12:47:13	1500.02	20.38	6.64	132.61	0.59	23.10	5.18	101.31
Last 5	12:52:13	1800.01	20.48	6.59	132.21	0.82	23.10	4.96	99.00
Variance 0			0.14	0.03	0.82			0.05	-3.38
Variance 1			-0.07	-0.01	-0.48			-0.06	-1.42
Variance 2			0.10	-0.05	-0.39			-0.22	-2.31

Notes

Sampled at 12:52. Sunny, 80’s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 12:47:28

Project Information:		Pump Information:	
Operator Name	Ryan Walker	Pump Model/Type	QED Bladder Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	68 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	466058		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	63 ft

Well Information:		Pumping Information:	
Well ID	GWC-23	Final Pumping Rate	180 mL/min
Well diameter	2 in	Total System Volume	0.5958426 L
Well Total Depth	68.05 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	17 in
Depth to Water	33.48 ft	Total Volume Pumped	6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 3%	+/- 10		+/- 0.3	+/- 10
Last 5	12:26:37	600.03	19.63	5.88	49.06	4.12	34.90	5.06	126.64
Last 5	12:31:37	900.02	19.60	5.86	49.08	3.88	34.90	5.03	128.06
Last 5	12:36:37	1200.02	19.58	5.85	49.13	2.64	34.90	5.00	129.56
Last 5	12:41:38	1501.02	19.55	5.87	49.53	2.84	34.90	4.98	127.84
Last 5	12:46:38	1801.01	19.61	5.86	49.07	2.06	34.90	4.94	128.78
Variance 0			-0.01	-0.01	0.05			-0.02	1.50
Variance 1			-0.03	0.02	0.40			-0.03	-1.72
Variance 2			0.06	-0.01	-0.46			-0.03	0.94

Notes

Sampled at 12:46. Cloudy 80's.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 12:21:22

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	QED Sample Pro BP
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	55 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	47 ft

Well Information:		Pumping Information:	
Well ID	GWC-24	Final Pumping Rate	60 mL/min
Well diameter	2 in	Total System Volume	0.7304883 L
Well Total Depth	51.10 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	10 in
Depth to Water	37.24 ft	Total Volume Pumped	7.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	12:00:05	3002.96	19.59	5.57	32.47	8.70	37.80	8.49	64.89
Last 5	12:05:05	3302.96	19.64	5.58	32.45	8.20	37.80	8.44	63.93
Last 5	12:10:05	3602.96	19.73	5.58	32.36	6.34	37.80	8.42	64.66
Last 5	12:15:07	3904.96	19.85	5.58	32.17	5.80	37.90	8.29	64.77
Last 5	12:20:07	4204.96	19.91	5.59	32.26	4.99	38.00	8.32	65.08
Variance 0			0.09	-0.00	-0.08			-0.03	0.73
Variance 1			0.12	-0.00	-0.20			-0.13	0.11
Variance 2			0.06	0.01	0.10			0.04	0.32

Notes

Sampled at 1220. 82F cloudy.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 13:02:45

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	QED Sample Pro BP
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	65 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	56.23 ft

Well Information:		Pumping Information:	
Well ID	GWC-25	Final Pumping Rate	50 mL/min
Well diameter	2 in	Total System Volume	0.7751225 L
Well Total Depth	61.23 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	15 in
Depth to Water	47.71 ft	Total Volume Pumped	2.1 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	12:35:52	600.02	25.28	5.63	70.09	19.00	48.50	6.33	71.97
Last 5	12:40:52	900.02	24.54	5.67	70.38	15.00	48.60	6.34	69.81
Last 5	12:45:52	1200.02	24.42	5.67	70.20	8.99	48.80	6.25	70.78
Last 5	12:55:53	1801.02	24.06	5.66	69.84	4.60	48.90	6.20	72.01
Last 5	13:00:54	2102.02	23.93	5.66	69.62	2.43	48.90	6.17	73.21
Variance 0			-0.12	-0.00	-0.18			-0.09	0.97
Variance 1			-0.36	-0.00	-0.36			-0.05	1.23
Variance 2			-0.13	-0.01	-0.22			-0.03	1.20

Notes

Sampled at 1300. Sunny 84F.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 14:22:05

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	QED Sample Pro BP
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	65 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	54.43 ft

Well Information:		Pumping Information:	
Well ID	GWC-26	Final Pumping Rate	90 mL/min
Well diameter	2 in	Total System Volume	0.7751225 L
Well Total Depth	59.43 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	18 in
Depth to Water	24.98 ft	Total Volume Pumped	3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	14:00:08	1200.02	22.38	5.66	52.34	9.21	26.40	6.32	81.00
Last 5	14:05:09	1501.02	22.72	5.70	51.99	7.32	26.50	6.29	78.91
Last 5	14:10:09	1801.02	23.29	5.69	51.99	6.01	26.60	6.23	78.17
Last 5	14:15:09	2101.02	23.73	5.69	51.17	5.51	26.60	6.12	78.38
Last 5	14:20:09	2401.02	22.54	5.63	50.41	4.01	26.60	6.25	81.92
Variance 0			0.57	-0.01	0.01			-0.06	-0.74
Variance 1			0.44	0.00	-0.82			-0.10	0.21
Variance 2			-1.19	-0.05	-0.77			0.13	3.54

Notes

Sampled at 1420. 86F Sunny.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 13:56:25

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	QED Sample Pro BP
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	75 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	65.83 ft

Well Information:		Pumping Information:	
Well ID	GWC-27	Final Pumping Rate	75 mL/min
Well diameter	2 in	Total System Volume	0.8197567 L
Well Total Depth	70.83 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	12 in
Depth to Water	42.16 ft	Total Volume Pumped	5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	13:35:21	2410.66	20.13	5.65	52.42	1.62	42.90	3.34	91.57
Last 5	13:40:22	2711.66	20.43	5.70	56.17	1.38	43.00	3.28	90.61
Last 5	13:45:23	3012.66	21.64	5.72	59.82	1.33	43.00	3.18	88.29
Last 5	13:50:24	3313.66	23.34	5.73	60.36	1.18	43.10	3.09	86.97
Last 5	13:55:24	3613.66	23.97	5.72	59.88	1.21	43.10	3.09	85.08
Variance 0			1.21	0.03	3.65			-0.11	-2.31
Variance 1			1.70	0.01	0.55			-0.09	-1.32
Variance 2			0.63	-0.01	-0.49			0.01	-1.90

Notes

Sample collected at 1355. 82F cloudy.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-27 11:11:32

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	Peri. pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	55 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	44 ft

Well Information:		Pumping Information:	
Well ID	GWC-30	Final Pumping Rate	130 mL/min
Well diameter	2 in	Total System Volume	0.3354883 L
Well Total Depth	49.58 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	17 in
Depth to Water	26.16 ft	Total Volume Pumped	5.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	10:49:49	1204.02	19.03	6.11	57.25	2.95	27.80	5.00	66.44
Last 5	10:54:52	1507.02	19.10	6.14	41.54	1.95	27.80	5.18	65.92
Last 5	10:59:52	1807.02	19.23	6.14	57.32	2.31	27.80	5.28	65.66
Last 5	11:04:52	2107.02	19.33	6.13	57.34	1.76	27.80	5.35	65.31
Last 5	11:09:52	2407.02	19.24	6.08	57.15	2.11	27.80	5.05	65.19
Variance 0			0.13	0.00	15.78			0.11	-0.26
Variance 1			0.10	-0.01	0.02			0.07	-0.35
Variance 2			-0.10	-0.05	-0.19			-0.30	-0.13

Notes

Samples at 1110. 85F cloudy.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-25 16:01:27

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	QED Sample Pro BP
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	40 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	35.86 ft

Well Information:		Pumping Information:	
Well ID	GWC-31	Final Pumping Rate	175 mL/min
Well diameter	2 in	Total System Volume	0.6635369 L
Well Total Depth	36.86 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	58 in
Depth to Water	30.2 ft	Total Volume Pumped	6.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	15:40:01	1500.02	20.69	6.17	136.23	45.00	31.70	4.62	74.45
Last 5	15:45:01	1800.02	20.32	6.16	135.41	41.00	32.50	4.61	74.64
Last 5	15:50:02	2101.08	19.79	6.13	126.90	41.00	33.20	4.69	74.16
Last 5	15:55:03	2402.05	19.26	6.13	128.21	32.00	33.90	4.82	74.11
Last 5	16:00:04	2703.02	19.17	6.17	135.69	23.00	34.90	4.89	73.36
Variance 0			-0.53	-0.03	-8.50			0.08	-0.48
Variance 1			-0.54	0.00	1.31			0.12	-0.05
Variance 2			-0.09	0.04	7.48			0.08	-0.75

Notes

Well purged dry. No sample collected.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 10:21:43

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	QED Sample Pro BP
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	40 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	34 ft

Well Information:		Pumping Information:	
Well ID	GWC-31	Final Pumping Rate	100 mL/min
Well diameter	2 in	Total System Volume	0.6635369 L
Well Total Depth	36.86 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	14 in
Depth to Water	33.84 ft	Total Volume Pumped	1.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	10:00:44	900.02	21.42	6.18	140.43	19.00	34.60	5.53	77.54
Last 5	10:05:44	1200.02	21.28	6.18	137.76	19.00	34.70	5.82	75.26
Last 5	10:10:44	1500.03	21.40	6.18	133.19	11.70	34.80	6.43	74.00
Last 5	10:15:45	1800.18	21.94	6.18	130.72	10.90	34.90	6.77	73.15
Last 5	10:20:46	2101.18	22.84	6.18	130.74	9.80	35.00	6.88	71.58
Variance 0			0.12	0.00	-4.57			0.61	-1.26
Variance 1			0.55	-0.00	-2.48			0.34	-0.85
Variance 2			0.89	0.01	0.02			0.11	-1.57

Notes

Sampled at 1020. 78F cloudy.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 14:43:52

Project Information:		Pump Information:	
Operator Name	Chris Parker	Pump Model/Type	Peripump
Company Name	ACC	Tubing Type	Poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	31 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	588863		
Turbidity Make/Model	Hach 2100 Q	Pump placement from TOC	29 ft

Well Information:		Pumping Information:	
Well ID	GWC-32	Final Pumping Rate	250 mL/min
Well diameter	2 in	Total System Volume	0.2283661 L
Well Total Depth	31.05 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	58 in
Depth to Water	25.21 ft	Total Volume Pumped	8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	14:21:38	900.00	18.90	5.94	113.02	1.73	27.00	6.70	183.68
Last 5	14:26:38	1199.99	18.99	5.93	106.76	1.96	27.60	6.81	186.99
Last 5	14:31:38	1499.98	18.92	5.92	113.03	2.11	28.30	6.49	190.14
Last 5	14:36:38	1799.97	18.97	5.91	116.87	2.98	29.10	5.91	191.55
Last 5	14:41:38	2099.97	19.76	5.87	119.84	3.56	29.90	6.83	195.85
Variance 0			-0.06	-0.01	6.27			-0.32	3.15
Variance 1			0.05	-0.01	3.83			-0.58	1.41
Variance 2			0.79	-0.04	2.98			0.92	4.31

Notes

Well purged dry.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-27 10:06:54

Project Information:		Pump Information:	
Operator Name	O. Fuquea	Pump Model/Type	Peri. Pump
Company Name	ACC	Tubing Type	poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	35 ft
Latitude	0º 0' 0"		
Longitude	0º 0' 0"		
Sonde SN	646773		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	28 ft

Well Information:		Pumping Information:	
Well ID	GWC-32	Final Pumping Rate	100 mL/min
Well diameter	2 in	Total System Volume	0.2462198 L
Well Total Depth	31.05 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	5 in
Depth to Water	25.88 ft	Total Volume Pumped	1.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 100	+/- 0.1	+/- 5%	+/- 100		+/- 0.2	+/- 100
Last 5	09:50:08	300.13	21.64	6.14	133.11	2.50	26.10	3.73	86.78
Last 5	09:55:07	600.03	20.84	6.14	126.09	1.26	26.20	2.55	77.73
Last 5	10:00:07	900.02	20.48	6.12	122.14	0.56	26.20	2.48	74.37
Last 5	10:05:08	1201.02	20.35	6.11	121.59	0.49	26.30	2.65	72.27
Last 5									
Variance 0			-0.80	-0.00	-7.03			-1.19	-9.05
Variance 1			-0.36	-0.02	-3.95			-0.06	-3.36
Variance 2			-0.13	-0.01	-0.55			0.16	-2.11

Notes

Collected at 1005. 81F cloudy.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 13:43:12

Project Information:		Pump Information:	
Operator Name	Chris Parker	Pump Model/Type	Peripump
Company Name	ACC	Tubing Type	Poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	24 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	588863		
Turbidity Make/Model	Hach 2100 Q	Pump placement from TOC	19 ft

Well Information:		Pumping Information:	
Well ID	GWC-33	Final Pumping Rate	80 mL/min
Well diameter	2 in	Total System Volume	0.1971222 L
Well Total Depth	23.99 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	90 in
Depth to Water	13.63 ft	Total Volume Pumped	19.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	13:20:39	3599.94	19.19	6.24	176.95	1.85	20.60	4.76	172.52
Last 5	13:25:39	3899.93	19.27	6.24	165.69	1.14	20.80	5.78	174.68
Last 5	13:30:39	4199.92	20.14	6.31	191.82	1.88	20.90	5.51	173.40
Last 5	13:35:40	4500.92	20.16	6.30	191.62	2.10	21.00	5.25	173.19
Last 5	13:40:44	4804.91	21.05	6.30	192.78	1.39	21.10	5.09	172.93
Variance 0			0.87	0.07	26.13			-0.27	-1.29
Variance 1			0.02	-0.01	-0.20			-0.26	-0.21
Variance 2			0.89	-0.00	1.16			-0.16	-0.26

Notes

Sampled at 13:45. Cloudy 80s

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 11:48:21

Project Information:		Pump Information:	
Operator Name	Chris Parker	Pump Model/Type	Peripump
Company Name	ACC	Tubing Type	Poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	51 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	588863		
Turbidity Make/Model	Hach 2100 Q	Pump placement from TOC	46 ft

Well Information:		Pumping Information:	
Well ID	GWC-34	Final Pumping Rate	240 mL/min
Well diameter	2 in	Total System Volume	0.3176346 L
Well Total Depth	51.25 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	3 in
Depth to Water	4.75 ft	Total Volume Pumped	9.6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	11:26:16	900.00	19.16	5.79	59.20	5.97	5.00	3.72	112.50
Last 5	11:31:16	1199.99	19.16	5.80	58.36	5.24	5.00	3.72	113.91
Last 5	11:36:16	1499.99	19.07	5.80	58.21	5.49	5.00	3.77	115.51
Last 5	11:41:16	1799.98	19.10	5.80	57.64	4.89	5.00	3.76	117.70
Last 5	11:46:16	2099.97	18.98	5.80	57.88	4.01	5.00	3.84	119.02
Variance 0			-0.08	-0.00	-0.15			0.05	1.61
Variance 1			0.03	-0.00	-0.58			-0.00	2.18
Variance 2			-0.12	0.00	0.24			0.07	1.32

Notes

Sampled at 11:50. Cloudy 80s. DUP 3 here

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-26 10:41:46

Project Information:		Pump Information:	
Operator Name	Chris Parker	Pump Model/Type	Peripump
Company Name	ACC	Tubing Type	Poly
Project Name	CCR - Plant Wansley - Landfill	Tubing Diameter	.17 in
Site Name	Plant Wansley	Tubing Length	41 ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	588863		
Turbidity Make/Model	Hach 2100 Q	Pump placement from TOC	36 ft

Well Information:		Pumping Information:	
Well ID	GWC-35	Final Pumping Rate	250 mL/min
Well diameter	2 in	Total System Volume	0.2730004 L
Well Total Depth	40.78 ft	Calculated Sample Rate	300 sec
Screen Length	10 ft	Stabilization Drawdown	1 in
Depth to Water	8.37 ft	Total Volume Pumped	8.8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	10:17:50	300.06	19.19	5.55	56.82	2.35	8.40	2.64	93.06
Last 5	10:22:50	600.01	18.83	5.54	56.70	2.48	8.40	2.68	92.29
Last 5	10:27:50	900.05	18.78	5.55	55.37	1.79	8.40	2.69	94.07
Last 5	10:32:50	1200.01	18.76	5.54	55.08	1.45	8.40	2.71	97.14
Last 5	10:37:50	1499.99	18.88	5.55	55.13	1.75	8.40	2.70	100.14
Variance 0			-0.05	0.01	-1.33			0.02	1.79
Variance 1			-0.02	-0.01	-0.29			0.01	3.07
Variance 2			0.12	0.00	0.05			-0.01	3.00

Notes

Sampled at 10:40. Cloudy 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-27 12:26:54

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	
Company Name	ACC	Tubing Type	
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	in
Site Name	Plant Wansley	Tubing Length	ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	ft

Well Information:		Pumping Information:	
Well ID	SWA-1	Final Pumping Rate	0 mL/min
Well diameter	in	Total System Volume	0.09 L
Well Total Depth	ft	Calculated Sample Rate	120 sec
Screen Length	ft	Stabilization Drawdown	0 in
Depth to Water	ft	Total Volume Pumped	0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	12:26:02	120.04	27.87	6.64	44.73	9.80	--	8.12	-7.97
Last 5									
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Sampled at 1215 on 6-27-19. Sunny 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-27 11:30:33

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	
Company Name	ACC	Tubing Type	
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	in
Site Name	Plant Wansley	Tubing Length	ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	ft

Well Information:		Pumping Information:	
Well ID	SWA-6	Final Pumping Rate	0 mL/min
Well diameter	in	Total System Volume	0.09 L
Well Total Depth	ft	Calculated Sample Rate	60 sec
Screen Length	ft	Stabilization Drawdown	0 in
Depth to Water	ft	Total Volume Pumped	0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	11:28:31	60.03	26.67	6.53	90.45	3.10	--	8.03	85.74
Last 5	11:29:31	120.02	26.54	6.53	91.10	3.10	--	8.12	84.63
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.14	-0.01	0.65			0.09	-1.11
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Sampled at 1120 on 6-27-19. Cloudy 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-27 12:03:30

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	
Company Name	ACC	Tubing Type	
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	in
Site Name	Plant Wansley	Tubing Length	ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	ft

Well Information:		Pumping Information:	
Well ID	SWC-2	Final Pumping Rate	0 mL/min
Well diameter	in	Total System Volume	0.09 L
Well Total Depth	ft	Calculated Sample Rate	60 sec
Screen Length	ft	Stabilization Drawdown	0 in
Depth to Water	ft	Total Volume Pumped	0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	12:02:33	60.04	24.09	6.01	306.41	56.20	--	3.67	26.33
Last 5									
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Sampled at 1200 on 6-27-19. Sunny 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-27 11:52:52

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	
Company Name	ACC	Tubing Type	
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	in
Site Name	Plant Wansley	Tubing Length	ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	ft

Well Information:		Pumping Information:	
Well ID	SWC-3	Final Pumping Rate	0 mL/min
Well diameter	in	Total System Volume	0.09 L
Well Total Depth	ft	Calculated Sample Rate	60 sec
Screen Length	ft	Stabilization Drawdown	0 in
Depth to Water	ft	Total Volume Pumped	0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	11:51:15	60.04	24.94	5.78	353.38	186.00	--	2.24	63.90
Last 5	11:52:15	120.02	24.66	5.80	356.94	186.00	--	2.06	58.45
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.28	0.02	3.56			-0.19	-5.45
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Sampled at 1145 on 6-27-19. Cloudy 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-27 11:08:27

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	
Company Name	ACC	Tubing Type	
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	in
Site Name	Plant Wansley	Tubing Length	ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	ft

Well Information:		Pumping Information:	
Well ID	SWC-5	Final Pumping Rate	0 mL/min
Well diameter	in	Total System Volume	0.09 L
Well Total Depth	ft	Calculated Sample Rate	120 sec
Screen Length	ft	Stabilization Drawdown	0 in
Depth to Water	ft	Total Volume Pumped	0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	11:04:59	120.04	23.83	5.71	238.40	0.60	--	6.58	114.63
Last 5	11:06:59	240.03	24.27	5.72	239.02	0.60	--	6.62	111.74
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.43	0.01	0.62			0.03	-2.88
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Sampled at 1100 on 6-27-19. Sunny 80s.

Grab Samples

Product Name: Low-Flow System

Date: 2019-06-27 12:44:22

Project Information:		Pump Information:	
Operator Name	Hunter Auld	Pump Model/Type	
Company Name	ACC	Tubing Type	
Project Name	CCR-Plant Wansley-Landfill	Tubing Diameter	in
Site Name	Plant Wansley	Tubing Length	ft
Latitude	0° 0' 0"		
Longitude	0° 0' 0"		
Sonde SN	647057		
Turbidity Make/Model	Hach 2100Q	Pump placement from TOC	ft

Well Information:		Pumping Information:	
Well ID	SWC-7	Final Pumping Rate	0 mL/min
Well diameter	in	Total System Volume	0.09 L
Well Total Depth	ft	Calculated Sample Rate	120 sec
Screen Length	ft	Stabilization Drawdown	0 in
Depth to Water	ft	Total Volume Pumped	0 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond µS/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0	+/- 0.1	+/- 5%	+/- 0		+/- 10%	+/- 0
Last 5	12:43:06	120.04	26.81	6.64	81.29	2.80	--	8.02	15.72
Last 5									
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Sampled at 1240 on 6-27-19. Cloudy 80s.

Grab Samples

APPENDIX B

STATISTICAL ANALYSES

State 100% ND

Date: 7/12/2019 5:37 PM

Plant Wansley Client: Southern Company Data: Wansley Landfill

Antimony (mg/L)

GWA-1, GWA-4, GWC-12, GWC-13, GWC-14, GWC-15, GWC-16, GWC-17, GWC-19, GWC-20, GWC-21, GWC-34, GWC-35, GWC-7, GWC-8, GWC-9

Arsenic (mg/L)

GWC-10, GWC-15, GWC-27, GWC-30

Beryllium (mg/L)

GWA-3, GWA-4, GWC-10, GWC-12, GWC-13, GWC-15, GWC-17, GWC-18, GWC-20, GWC-5, GWC-7

Boron (mg/L)

GWA-2, GWA-28, GWA-3, GWA-4, GWC-13, GWC-16, GWC-17, GWC-18, GWC-20, GWC-21, GWC-22, GWC-23, GWC-24, GWC-26, GWC-27, GWC-30, GWC-31, GWC-32, GWC-34, GWC-35, GWC-7

Cadmium (mg/L)

GWA-2, GWA-28, GWA-4, GWC-10, GWC-12, GWC-13, GWC-15, GWC-16, GWC-17, GWC-18, GWC-19, GWC-20, GWC-21, GWC-23, GWC-25, GWC-26, GWC-27, GWC-30, GWC-31, GWC-32, GWC-33, GWC-34, GWC-35, GWC-5, GWC-6, GWC-7, GWC-8, GWC-9

Cobalt (mg/L)

GWA-28, GWC-13, GWC-17, GWC-18, GWC-22, GWC-30

Copper (mg/L)

GWA-1, GWA-4, GWC-12, GWC-16, GWC-18, GWC-19, GWC-21, GWC-22, GWC-30, GWC-32, GWC-34, GWC-7

Lead (mg/L)

GWA-1, GWA-2, GWA-28, GWA-4, GWC-11, GWC-12, GWC-13, GWC-14, GWC-15, GWC-16, GWC-21, GWC-22, GWC-23, GWC-30, GWC-32, GWC-33, GWC-35, GWC-6, GWC-7, GWC-9

Mercury (mg/L)

GWA-29

Nickel (mg/L)

GWC-12, GWC-18, GWC-30

Selenium (mg/L)

GWA-2, GWA-3, GWC-10, GWC-17, GWC-19, GWC-20, GWC-23, GWC-24, GWC-34, GWC-7

Silver (mg/L)

GWA-1, GWA-2, GWA-28, GWA-3, GWA-4, GWC-13, GWC-15, GWC-18, GWC-19, GWC-20, GWC-30, GWC-34, GWC-35, GWC-7, GWC-8, GWC-9

Thallium (mg/L)

GWA-2, GWA-28, GWA-29, GWA-3, GWC-10, GWC-11, GWC-12, GWC-13, GWC-15, GWC-16, GWC-17, GWC-18, GWC-20, GWC-21, GWC-22, GWC-23, GWC-24, GWC-25, GWC-26, GWC-30, GWC-31, GWC-32, GWC-5

Interwell Prediction Limit Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 7/29/2019, 3:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Boron (mg/L)	**GWC-14**	**0.1**	**6/25/2019**	**0.71**	**Yes**	**77**	**97.4**	**n/a**	**0.0003145**	**NP Inter (NDs) 1 of 2**
Chloride (mg/L)	**GWC-14**	**24**	**6/25/2019**	**82**	**Yes**	**76**	**1.316**	**n/a**	**0.0003228**	**NP Inter (normality) 1 of 2**

Interwell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 7/29/2019, 3:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Boron (mg/L)	GWC-11	0.1	6/26/2019	0.08ND	No	77	97.4	n/a	0.0003145	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.1	6/26/2019	0.057	No	77	97.4	n/a	0.0003145	NP Inter (NDs) 1 of 2
Boron (mg/L)	**GWC-14**	**0.1**	**6/25/2019**	**0.71**	**Yes**	**77**	**97.4**	**n/a**	**0.0003145**	**NP Inter (NDs) 1 of 2**
Boron (mg/L)	GWC-15	0.1	6/25/2019	0.066	No	77	97.4	n/a	0.0003145	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-25	0.1	6/25/2019	0.08ND	No	77	97.4	n/a	0.0003145	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-33	0.1	6/26/2019	0.08ND	No	77	97.4	n/a	0.0003145	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-8	0.1	6/25/2019	0.08ND	No	77	97.4	n/a	0.0003145	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.1	6/25/2019	0.068	No	77	97.4	n/a	0.0003145	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-10	91	6/26/2019	16	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	91	6/26/2019	11	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	91	6/26/2019	43	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-13	91	6/25/2019	4.3	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-14	91	6/25/2019	26	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-15	91	6/25/2019	9.8	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-16	91	6/25/2019	7	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17	91	6/25/2019	8.4	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18	91	6/27/2019	7	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19	91	6/26/2019	7.3	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	91	6/25/2019	9	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	91	6/25/2019	5	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22	91	6/25/2019	12	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	91	6/26/2019	3.6	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-24	91	6/26/2019	0.34	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-25	91	6/25/2019	3.5	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-26	91	6/25/2019	1.8	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-27	91	6/26/2019	3.7	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-30	91	6/27/2019	3.6	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-31	91	6/26/2019	11	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-32	91	6/27/2019	7.6	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-33	91	6/26/2019	19	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-34	91	6/26/2019	2.8	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-35	91	6/26/2019	2	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-5	91	6/26/2019	39	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-6	91	6/26/2019	12	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-7	91	6/25/2019	50	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-8	91	6/25/2019	29	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	91	6/25/2019	14	No	77	1.299	n/a	0.0003145	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10	24	6/26/2019	4.2	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	24	6/26/2019	3.2	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	24	6/26/2019	21	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-13	24	6/25/2019	1.3	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	**GWC-14**	**24**	**6/25/2019**	**82**	**Yes**	**76**	**1.316**	**n/a**	**0.0003228**	**NP Inter (normality) 1 of 2**
Chloride (mg/L)	GWC-15	24	6/25/2019	5.8	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-16	24	6/25/2019	1.5	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-17	24	6/25/2019	1.2	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-18	24	6/27/2019	1.6	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	24	6/26/2019	1.5	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-20	24	6/25/2019	1.9	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	24	6/25/2019	3.5	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-22	24	6/25/2019	1.7	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2

Interwell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 7/29/2019, 3:15 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Chloride (mg/L)	GWC-23	24	6/26/2019	2	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-24	24	6/26/2019	4.4	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-25	24	6/25/2019	9	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-26	24	6/25/2019	3	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-27	24	6/26/2019	1.1	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-30	24	6/27/2019	1.4	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-31	24	6/26/2019	1.5	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-32	24	6/27/2019	1.1	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-33	24	6/26/2019	2.2	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-34	24	6/26/2019	1.2	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-35	24	6/26/2019	3.4	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-5	24	6/26/2019	10	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-6	24	6/26/2019	6	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-7	24	6/25/2019	16	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-8	24	6/25/2019	3.9	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	24	6/25/2019	7.7	No	76	1.316	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-10	3.2	6/26/2019	0.68	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-11	3.2	6/26/2019	0.096	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-12	3.2	6/26/2019	0.16	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-13	3.2	6/25/2019	0.084	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-14	3.2	6/25/2019	0.054	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-15	3.2	6/25/2019	0.068	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16	3.2	6/25/2019	0.052	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-17	3.2	6/25/2019	0.051	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-18	3.2	6/27/2019	0.046	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-19	3.2	6/26/2019	0.046	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-20	3.2	6/25/2019	0.049	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-21	3.2	6/25/2019	0.032	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-22	3.2	6/25/2019	0.052	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-23	3.2	6/26/2019	0.042	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-24	3.2	6/26/2019	0.04	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-25	3.2	6/25/2019	0.033	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-26	3.2	6/25/2019	0.047	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-27	3.2	6/26/2019	0.85	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-30	3.2	6/27/2019	0.073	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-31	3.2	6/26/2019	1.3	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-32	3.2	6/27/2019	2	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-33	3.2	6/26/2019	2.4	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-34	3.2	6/26/2019	0.11	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-35	3.2	6/26/2019	0.045	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-5	3.2	6/26/2019	0.081	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-6	3.2	6/26/2019	0.059	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-7	3.2	6/25/2019	0.21	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-8	3.2	6/25/2019	0.055	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-9	3.2	6/25/2019	0.066	No	76	44.74	n/a	0.0003228	NP Inter (normality) 1 of 2

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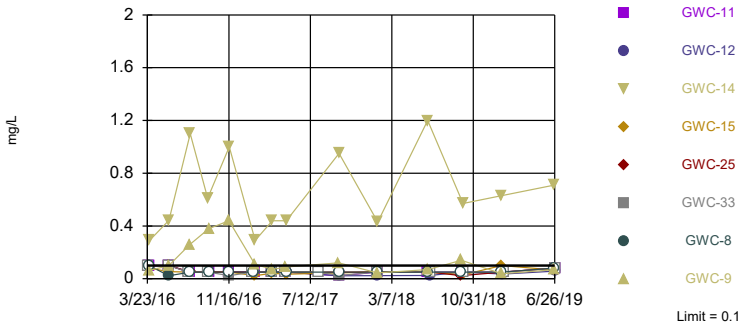
Hollow symbols indicate censored values.

Exceeds Limit: GWC-14

Boron

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 77 background values. 97.4% NDs. Annual per-constituent alpha = 0.01808. Individual comparison alpha = 0.0003145 (1 of 2). Comparing 8 points to limit. Assumes 21 future values.

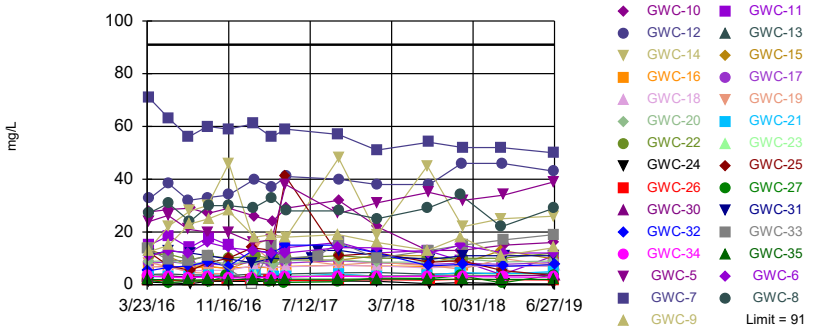
Prediction Limit Analysis Run 7/29/2019 3:14 PM View: State CCR Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Calcium

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 77 background values. 1.299% NDs. Annual per-constituent alpha = 0.01808. Individual comparison alpha = 0.0003145 (1 of 2). Comparing 29 points to limit.

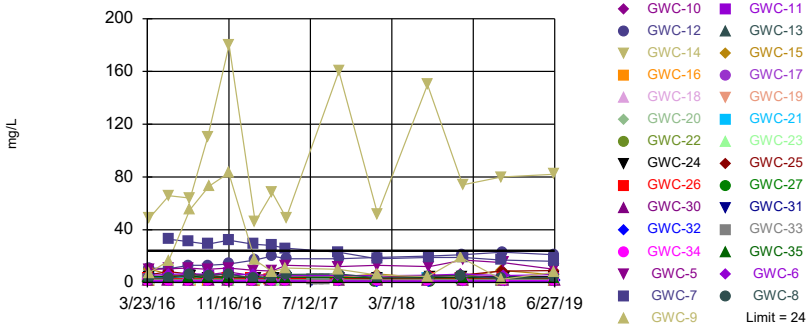
Prediction Limit Analysis Run 7/29/2019 3:14 PM View: State CCR Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit: GWC-14

Chloride

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 76 background values. 1.316% NDs. Annual per-constituent alpha = 0.01855. Individual comparison alpha = 0.0003228 (1 of 2). Comparing 29 points to limit.

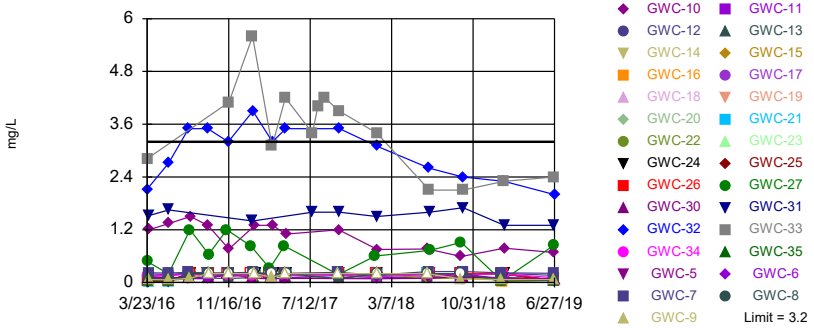
Prediction Limit Analysis Run 7/29/2019 3:14 PM View: State CCR Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Fluoride

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 76 background values. 44.74% NDs. Annual per-constituent alpha = 0.01855. Individual comparison alpha = 0.0003228 (1 of 2). Comparing 29 points to limit.

Prediction Limit Analysis Run 7/29/2019 3:14 PM View: State CCR Interwell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-1 (bg)	GWA-4 (bg)	GWC-33	GWA-2 (bg)	GWC-25	GWC-11	GWC-9
3/22/2016	<0.1	<0.1							
3/23/2016			<0.1	<0.1	<0.1	<0.1			
3/28/2016							<0.1		
3/29/2016								<0.1	0.0635 (J)
3/30/2016									
3/31/2016									
5/19/2016		<0.1		<0.1					
5/20/2016			<0.1						
5/23/2016	<0.1								
5/24/2016					<0.1	<0.1			0.0981 (J)
5/25/2016							<0.1	<0.1	
7/21/2016		<0.05	<0.05	<0.05					
7/22/2016					<0.05				
7/25/2016	<0.05							<0.05	0.26
7/26/2016						<0.05			
7/27/2016							<0.05		
9/14/2016				<0.05					
9/15/2016	<0.05		<0.05						
9/16/2016					<0.05	<0.05			
9/19/2016							<0.05	<0.05	0.38
9/20/2016									
11/9/2016	<0.05								
11/10/2016				<0.05		<0.05			
11/11/2016			<0.05						
11/15/2016							<0.05		
11/16/2016								<0.05	0.44
11/17/2016					0.023 (J)				
1/17/2017	<0.05	<0.05		<0.05					
1/19/2017			<0.05			<0.05			
1/24/2017							<0.05		
1/25/2017					<0.05				
1/26/2017									
1/31/2017								<0.05	0.11
2/1/2017									
3/16/2017	<0.05		<0.05	<0.05					
3/17/2017						<0.05			
3/23/2017					<0.05		<0.05	<0.05	0.071
4/27/2017	<0.05	<0.05		<0.05					
4/28/2017			<0.05			<0.05			
5/1/2017					<0.05				
5/2/2017							<0.05	<0.05	0.089
5/3/2017									
7/18/2017		0.027 (J)							
8/1/2017		<0.05							
8/4/2017					<0.05				
10/3/2017	<0.05	<0.05		<0.05		<0.05			0.12
10/4/2017			<0.05					0.022 (J)	
10/5/2017					0.025 (J)		<0.05		
1/19/2018	<0.05	<0.05	<0.05			<0.05			
1/22/2018				<0.05					
1/23/2018					<0.05				
1/24/2018								<0.05	0.044 (J)

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-1 (bg)	GWA-4 (bg)	GWC-33	GWA-2 (bg)	GWC-25	GWC-11	GWC-9
1/25/2018							<0.05		
6/19/2018	<0.05	<0.05	<0.05	<0.05		<0.05			
6/20/2018								<0.05	
6/21/2018									0.07
6/26/2018					<0.05				
6/27/2018							<0.05		
9/25/2018	<0.05	<0.05	<0.05	<0.05		<0.05			
9/26/2018							0.023 (J)		0.14
9/27/2018								<0.05	
9/28/2018									
10/1/2018									
10/2/2018					<0.05				
1/17/2019			<0.05	<0.05		<0.05			
1/18/2019		<0.05							
1/21/2019	<0.05								
1/22/2019									0.038 (J)
1/24/2019							<0.05	<0.05	
1/25/2019									
1/30/2019					<0.05				
6/24/2019			0.034 (J)	<0.08		<0.08			
6/25/2019	<0.08	<0.08					<0.08		0.068 (J)
6/26/2019					<0.08			<0.08	

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-8	GWC-14	GWC-15	GWA-3 (bg)
3/22/2016					
3/23/2016					
3/28/2016					
3/29/2016	<0.1	<0.1			
3/30/2016			0.291	0.0787 (J)	
3/31/2016					<0.1
5/19/2016					
5/20/2016					
5/23/2016					
5/24/2016		0.022 (J)			
5/25/2016	<0.1		0.443	0.0536 (J)	<0.1
7/21/2016					
7/22/2016	<0.05				
7/25/2016					
7/26/2016		<0.05	1.1	<0.05	
7/27/2016					<0.05
9/14/2016					
9/15/2016	<0.05		0.61		
9/16/2016					
9/19/2016		<0.05			
9/20/2016				<0.05	
11/9/2016					
11/10/2016					
11/11/2016					
11/15/2016					
11/16/2016	<0.05	<0.05			
11/17/2016			1	<0.05	
1/17/2017					
1/19/2017					
1/24/2017					
1/25/2017					
1/26/2017		<0.05			
1/31/2017	<0.05				
2/1/2017			0.29	0.023 (J)	
3/16/2017					
3/17/2017					
3/23/2017	<0.05	<0.05	0.44	0.042 (J)	
4/27/2017					
4/28/2017					
5/1/2017					
5/2/2017					
5/3/2017	<0.05	<0.05	0.44	0.034 (J)	
7/18/2017					
8/1/2017					<0.05
8/4/2017					
10/3/2017					<0.05
10/4/2017	0.022 (J)		0.95	0.044 (J)	
10/5/2017		<0.05			
1/19/2018					
1/22/2018					
1/23/2018					
1/24/2018	0.023 (J)	<0.05			

Prediction Limit

Constituent: Boron (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-8	GWC-14	GWC-15	GWA-3 (bg)
1/25/2018			0.43	0.052	
6/19/2018					
6/20/2018			1.2	<0.05	<0.05
6/21/2018		<0.05			
6/26/2018	0.024 (J)				
6/27/2018					
9/25/2018					
9/26/2018		<0.05			
9/27/2018					
9/28/2018	<0.05				
10/1/2018			0.57	0.03 (J)	
10/2/2018					
1/17/2019					
1/18/2019					<0.05
1/21/2019					
1/22/2019		<0.05	0.63	0.1	
1/24/2019					
1/25/2019	0.036 (J)				
1/30/2019					
6/24/2019					
6/25/2019		<0.08	0.71	0.066 (J)	<0.08
6/26/2019	0.057 (J)				

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWC-33	GWA-1 (bg)	GWC-27	GWC-32	GWC-30
3/22/2016	4.65	2.86							
3/23/2016			24.2	3.09	13.8	0.893	1.73	5.18	3.03
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				3.51	9.38		0.745	6.58	
5/25/2016									
5/26/2016									
7/21/2016	4.7		30			0.6			2.9
7/22/2016					9			7.1	
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				3.6	11			8.7	
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									
11/18/2016									
1/17/2017	3.7	2.4	26						
1/19/2017				4.2		0.59			
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	27			0.72	1		
3/17/2017				3.4					2.9
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				3.9		0.72	0.88		
5/1/2017					10				3
5/2/2017								15	

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWC-33	GWA-1 (bg)	GWC-27	GWC-32	GWC-30
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		3.8		0.7	2.5		
1/22/2018			33						
1/23/2018					10			12	
1/24/2018									3.2
1/25/2018									
1/26/2018									
6/19/2018	4.1	2.5	26	3.4		0.75			
6/20/2018									
6/21/2018									3.3
6/25/2018									
6/26/2018					13			7.1	
6/27/2018							2.4		
9/25/2018	4.6	2.8	29	4		0.73			
9/26/2018									
9/27/2018							3.4		
9/28/2018									
10/1/2018									
10/2/2018					15			7.7	
10/3/2018									3.3
1/17/2019			22	3.5		0.74			
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					17			7	3.4
1/31/2019									
6/24/2019			27	5		0.76			
6/25/2019	4.8	3							
6/26/2019					19		3.7		
6/27/2019								7.6	3.6

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-35	GWC-26	GWC-25	GWC-5	GWC-6	GWC-23	GWC-13	GWC-9
3/22/2016									
3/23/2016									
3/24/2016	3.27	1.97	1.72						
3/28/2016				12.3	23.9	10.8			
3/29/2016							3.32	3.91	12.6
3/30/2016									
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016	2.82	1.97			26.3				
5/24/2016						13			14.9
5/25/2016			1.68	7.2			3.4	4.06	
5/26/2016									
7/21/2016	2.6	1.7			21	12			
7/22/2016									
7/25/2016									23
7/26/2016			1.4					3.7	
7/27/2016				5.4			2.9		
9/14/2016									
9/15/2016	2.9	1.9			20	16		3.7	
9/16/2016									
9/19/2016			1.5	8.4					25
9/20/2016							3.3		
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016			1.8						
11/15/2016	2.5	1.8		10	20				
11/16/2016						14			28
11/17/2016								3.5	
11/18/2016							2.9		
1/17/2017									
1/19/2017			1.6						
1/20/2017									
1/24/2017				14					
1/25/2017	2.7								
1/26/2017		2.2			16	13			
1/31/2017								4.1	18
2/1/2017									
2/2/2017									
2/3/2017							3.3		
3/16/2017			1.7						
3/17/2017									
3/22/2017	2.7	1.8			17	12			
3/23/2017				13				3.9	19
3/24/2017									
3/28/2017							3.1		
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017	3.1		1.6						
5/2/2017		2.1		41	38	12			18

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-35	GWC-26	GWC-25	GWC-5	GWC-6	GWC-23	GWC-13	GWC-9
5/3/2017								4.1	
5/4/2017							3.3		
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
10/3/2017	3.2	2.1			27	14			19
10/4/2017			1.8						
10/5/2017				11			3.6	4.5	
10/6/2017									
1/19/2018									
1/22/2018			1.9						
1/23/2018	3	2.2			31	14			
1/24/2018									16
1/25/2018				12			3.3	4.6	
1/26/2018									
6/19/2018		2							
6/20/2018	3.2						3.4	4	
6/21/2018									13
6/25/2018					35	12			
6/26/2018									
6/27/2018			1.7	8.5					
9/25/2018						15			
9/26/2018				9.2					18
9/27/2018			2.1						
9/28/2018									
10/1/2018		2.1					3.6		
10/2/2018	3.1							4.2	
10/3/2018					32				
1/17/2019									
1/18/2019									
1/21/2019		2							
1/22/2019								4.4	11
1/24/2019			1.9	5.4					
1/25/2019							3.7		
1/28/2019	2.9								
1/30/2019					34	12			
1/31/2019									
6/24/2019									
6/25/2019			1.8	3.5				4.3	14
6/26/2019	2.8	2			39	12	3.6		
6/27/2019									

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-11	GWC-12	GWC-7	GWC-10	GWC-31	GWC-16	GWC-15	GWC-18
3/22/2016									
3/23/2016									
3/24/2016									
3/28/2016									
3/29/2016	27.2	15	32.6	70.8					
3/30/2016					27.6	11.3	6.72	13.3	6.88
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016	30.8			63.2					
5/25/2016		18.5	38.3		28.5	12.9	7.09	10.6	
5/26/2016									6.42
7/21/2016									
7/22/2016			32	56					
7/25/2016		14							5.3
7/26/2016	24							7.2	
7/27/2016					29	12	6.4		
9/14/2016									
9/15/2016			33	60					
9/16/2016					27		6.7		
9/19/2016	30	18							5.4
9/20/2016								6.9	
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/15/2016									
11/16/2016	30	15	34	59					
11/17/2016					29		6.3	6.1	5.5
11/18/2016									
1/17/2017									
1/19/2017									
1/20/2017									
1/24/2017									
1/25/2017						8.3			
1/26/2017	29			61					
1/31/2017		8	40						
2/1/2017					26		6.8	9.6	7.3
2/2/2017									
2/3/2017									
3/16/2017									
3/17/2017									
3/22/2017				56					
3/23/2017	33	9.3	37			10		9.9	
3/24/2017					24		6.3		6.4
3/28/2017									
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017		14		59		9.8			

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-11	GWC-12	GWC-7	GWC-10	GWC-31	GWC-16	GWC-15	GWC-18
5/3/2017	28		41		29		6.9	9.4	6.8
5/4/2017									
7/18/2017									
7/19/2017						10			
8/1/2017									
8/4/2017						13			
10/3/2017				57					
10/4/2017		16	40		32			9.3	
10/5/2017	28						7.4		7.3
10/6/2017						13			
1/19/2018									
1/22/2018									
1/23/2018				51		11			
1/24/2018	25	12	38						
1/25/2018					22		7.1	11	7.1
1/26/2018									
6/19/2018									
6/20/2018		13					6.9	11	
6/21/2018	29				13				6.4
6/25/2018				54					
6/26/2018			38						
6/27/2018						9.6			
9/25/2018									
9/26/2018	34								
9/27/2018		9			13				
9/28/2018			46						6.9
10/1/2018							7	8	
10/2/2018				52					
10/3/2018						11			
1/17/2019									
1/18/2019									
1/21/2019				52					
1/22/2019	22							13	
1/24/2019		3.8							
1/25/2019			46				7		
1/28/2019									7
1/30/2019									
1/31/2019					15	11			
6/24/2019									
6/25/2019	29			50			7	9.8	
6/26/2019		11	43		16	11			
6/27/2019									7

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-21	GWC-24	GWC-14	GWC-19	GWC-17	GWC-22	GWA-3 (bg)
3/22/2016								
3/23/2016								
3/24/2016								
3/28/2016								
3/29/2016								
3/30/2016	8.78	2.98	1.01	13.8	8.32	8.15		
3/31/2016							11.5	39.6
5/19/2016								
5/20/2016								
5/23/2016								
5/24/2016								
5/25/2016			0.69	22.2		8.68		28.3
5/26/2016	9.13	3.16			6.78		11.5	
7/21/2016								
7/22/2016								
7/25/2016	7.7				4.7			
7/26/2016		2.9		28			9.5	
7/27/2016			0.4			7.9		22
9/14/2016								
9/15/2016				30				
9/16/2016			1.3					
9/19/2016					4.3	7.8		
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		46	4.1	7.5	10	
11/18/2016			1.3					
1/17/2017								
1/19/2017								
1/20/2017								
1/24/2017								
1/25/2017								
1/26/2017								
1/31/2017								
2/1/2017				15		8.7		
2/2/2017	8.9	3.3			14			
2/3/2017			1.2				11	
3/16/2017								
3/17/2017								
3/22/2017								
3/23/2017				18				
3/24/2017					8.7	7.5		
3/28/2017	7.9	3.2					9.8	
3/29/2017			1.3					
4/27/2017								
4/28/2017								
5/1/2017								
5/2/2017								

Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-21	GWC-24	GWC-14	GWC-19	GWC-17	GWC-22	GWA-3 (bg)
5/3/2017				18	9.9	8.2	10	
5/4/2017	9.1	3.1	1.6					
7/18/2017								
7/19/2017								
8/1/2017								72
8/4/2017								
10/3/2017								91
10/4/2017				48		9.1		
10/5/2017			1.4		7.5		11	
10/6/2017	9.4	4.1						
1/19/2018								
1/22/2018								
1/23/2018								
1/24/2018								
1/25/2018			1.3	19	8.5	8.3	10	
1/26/2018	8.5	3.2						
6/19/2018								
6/20/2018		3.6		45			10	43
6/21/2018	8.6				7.3			
6/25/2018								
6/26/2018						7.7		
6/27/2018			0.38					
9/25/2018								
9/26/2018								
9/27/2018	9.8	4.6			5.9			
9/28/2018			0.81					
10/1/2018				22			10	
10/2/2018						8.2		
10/3/2018								
1/17/2019								
1/18/2019								10
1/21/2019								
1/22/2019				25				
1/24/2019		4.1				7.7	10	
1/25/2019								
1/28/2019	8.6				9.9			
1/30/2019								
1/31/2019			0.39					
6/24/2019								
6/25/2019	9	5		26		8.4	12	10
6/26/2019			0.34 (J)		7.3			
6/27/2019								

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-1 (bg)	GWC-33	GWC-32	GWA-2 (bg)	GWC-30	GWA-4 (bg)	GWC-27
3/22/2016	1.5096	1.3716							
3/23/2016			1.8057	2.2604	1.0533	2.5102	1.3598	9.041	1.0825
3/24/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
5/19/2016	1.51							13.1	
5/20/2016			1.84				1.4		
5/23/2016		1.33							
5/24/2016					1.1	4.52			1.08
5/25/2016									
5/26/2016									
7/21/2016	1.6		1.9				1.4	17	
7/22/2016					1.1				
7/25/2016		1.4							
7/26/2016						4			1.1
7/27/2016									
9/14/2016								17	
9/15/2016		1.3	1.8						
9/16/2016					1.1	4.1			
9/19/2016									1
9/20/2016							1.3		
11/9/2016		1.4							
11/10/2016						4.6		23	
11/11/2016			1.8						0.97 (J)
11/14/2016							1.3		
11/15/2016					1.1				
11/16/2016									
11/17/2016				2.5					
11/18/2016									
1/17/2017	1.3	1.3						14	
1/19/2017			1.8			5.6			
1/20/2017									0.99 (J)
1/24/2017							1.3		
1/25/2017				2.1					
1/26/2017					1.1				
1/31/2017									
2/1/2017									
2/2/2017									
2/3/2017									
3/16/2017		1.2	1.7					16	1
3/17/2017						4.4	1.3		
3/22/2017									
3/23/2017				2					
3/24/2017					1.1				
3/28/2017									
3/29/2017									
4/27/2017	1.4	1.2						15	
4/28/2017			1.7			4.7			0.96 (J)
5/1/2017				2.1			1.3		
5/2/2017					0.99 (J)				

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-1 (bg)	GWC-33	GWC-32	GWA-2 (bg)	GWC-30	GWA-4 (bg)	GWC-27
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				4.7		17	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			3.6		12	
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			4.9		17	
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			3.7		11	
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	0.98 (J)		1.2		
1/31/2019									
6/24/2019			1.7			6.1		11	
6/25/2019	24	1.3							
6/26/2019				2.2					1.1
6/27/2019					1.1		1.4		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-35	GWC-34	GWC-6	GWC-5	GWC-25	GWC-11	GWC-8	GWC-12
3/22/2016									
3/23/2016									
3/24/2016	2.8217	4.4998	1.2259						
3/28/2016				5.312	9.818	5.992			
3/29/2016							3.4214	3.5914	10.931
3/30/2016									
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016		4.19	1.19		10.4				
5/24/2016				6.21				3.16	
5/25/2016	2.93						5.33		10.5
5/26/2016						8.14			
7/21/2016		4.4	1.3	6.6	11				
7/22/2016									13
7/25/2016							5.8		
7/26/2016	3							5.9	
7/27/2016						6.3			
9/14/2016									
9/15/2016		4	1.2	6.1	10				13
9/16/2016									
9/19/2016	2.9					5.1	5.2	5.4	
9/20/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016	2.8								
11/15/2016		4.2	1.2		11	3.9			
11/16/2016				6.2			6.7	6.2	14
11/17/2016									
11/18/2016									
1/17/2017									
1/19/2017	2.8								
1/20/2017									
1/24/2017						3.6			
1/25/2017			1.2						
1/26/2017		4.2		5.8	9.2			3.6	
1/31/2017							2.1		17
2/1/2017									
2/2/2017									
2/3/2017									
3/16/2017	2.7								
3/17/2017									
3/22/2017		3.9	1.1	5.2	8.7				
3/23/2017						3.2	2	3.9	20
3/24/2017									
3/28/2017									
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017	2.8		1.1						
5/2/2017		4		5.1	13	3.5	3.3		

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-35	GWC-34	GWC-6	GWC-5	GWC-25	GWC-11	GWC-8	GWC-12
5/3/2017								6.1	18
5/4/2017									
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
8/24/2017									
10/3/2017		3.8	1.1	5.4	12				
10/4/2017	2.8						3.5		18
10/5/2017						3.5		6.4	
10/6/2017									
1/19/2018									
1/22/2018	2.6								
1/23/2018		3.5	0.95 (J)	5.1	13				
1/24/2018							2.3	3.5	19
1/25/2018						3.6			
1/26/2018									
6/19/2018		3.4							
6/20/2018			1.1				3.1		
6/21/2018								4.5	
6/25/2018				5.5	12				
6/26/2018									20
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									21
10/1/2018		3.6							
10/2/2018			1.1						
10/3/2018					17				
1/17/2019									
1/18/2019									
1/21/2019		3.5							
1/22/2019								2.8	
1/24/2019	3.1					8.7	0.94 (J)		
1/25/2019									23
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		3.4	1.2	6	10		3.2		21
6/27/2019									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-9	GWC-23	GWC-20	GWC-15	GWC-21	GWC-16	GWC-31	GWC-19
3/22/2016									
3/23/2016									
3/24/2016									
3/28/2016									
3/29/2016	1.3057	7.395	1.9463						
3/30/2016				2.0074	9.921	3.9326	1.4751	1.9069	2.2278
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016		16.4							
5/25/2016	1.27		1.96		6.31		1.43	1.89	
5/26/2016				2		3.59			1.53
7/21/2016									
7/22/2016									
7/25/2016		55		2.1					1.5
7/26/2016	1.4				3.6	3.3			
7/27/2016			2.1				1.7		
9/14/2016									
9/15/2016	1.3								
9/16/2016							1.5		
9/19/2016		73							1.4
9/20/2016			1.9	2	2.7	3.1			
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/15/2016									
11/16/2016		83							
11/17/2016	1.2			1.9	2.5	3	1.4		1.4
11/18/2016			1.8						
1/17/2017									
1/19/2017									
1/20/2017									
1/24/2017									
1/25/2017								1.9	
1/26/2017									
1/31/2017	1.2	17							
2/1/2017					5.4		1.4		
2/2/2017				1.9					3.1
2/3/2017			1.9						
3/16/2017									
3/17/2017									
3/22/2017									
3/23/2017	1.2	8.2			6.6				
3/24/2017							1.3		2.1
3/28/2017			1.8	1.8		3.4			
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017		11							

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-9	GWC-23	GWC-20	GWC-15	GWC-21	GWC-16	GWC-31	GWC-19
5/3/2017	1.1				5.1		1.3		1.8
5/4/2017			1.8	1.9		3.4			
7/18/2017									
7/19/2017								1.6	
8/1/2017									
8/4/2017									
8/24/2017									
10/3/2017		10							
10/4/2017					4.2				
10/5/2017	1.1		1.8				1.3		1.6
10/6/2017				1.8		3.2		1.7	
1/19/2018									
1/22/2018									
1/23/2018								1.4	
1/24/2018		5.6							
1/25/2018	1		1.6		6.5		1.2		1.7
1/26/2018				1.6		3.3			
6/19/2018									
6/20/2018	1.2		1.9		3.4	3.5	1.3		
6/21/2018		4.5		1.9					1.6
6/25/2018									
6/26/2018									
6/27/2018								1.5	
9/25/2018									
9/26/2018		19							
9/27/2018				1.8		3.1			1.3
9/28/2018									
10/1/2018			1.9		4.3		1.4		
10/2/2018	1.3								
10/3/2018								1.7	
1/17/2019									
1/18/2019									
1/21/2019									
1/22/2019	1.2	2.3			9.1				
1/24/2019						4.1			
1/25/2019			2				1.5		
1/28/2019				2					2.2
1/30/2019									
1/31/2019								1.3	
6/24/2019									
6/25/2019	1.3	7.7		1.9	5.8	3.5	1.5		
6/26/2019			2					1.5	1.5
6/27/2019									

Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-24	GWC-17	GWC-10	GWC-18	GWC-22	GWA-3 (bg)	GWC-7
3/22/2016								
3/23/2016								
3/24/2016								
3/28/2016								
3/29/2016								
3/30/2016	49.11	4.6264	1.3046	3.7204	1.9012			
3/31/2016						1.8479	8.3045	
5/19/2016								
5/20/2016								
5/23/2016								
5/24/2016								32.8
5/25/2016	65.8	4.6	1.31	3.89			10.1	
5/26/2016					1.78	1.71		
7/21/2016								
7/22/2016								31
7/25/2016					1.7			
7/26/2016	64					1.8		
7/27/2016		4.9	1.4	6.5			10	
9/14/2016								
9/15/2016	110							29
9/16/2016		3.6		5.9				
9/19/2016			1.3		1.6			
9/20/2016						1.7		
11/9/2016								
11/10/2016								
11/11/2016								
11/14/2016								
11/15/2016								
11/16/2016								32
11/17/2016	180		1.3	7.9	1.5	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	46		1.2	4.9	1.9			
2/2/2017								
2/3/2017		3.6				1.6		
3/16/2017								
3/17/2017								
3/22/2017								28
3/23/2017	68							
3/24/2017			1.1	2.6	1.8			
3/28/2017						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 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-24	GWC-17	GWC-10	GWC-18	GWC-22	GWA-3 (bg)	GWC-7
5/3/2017	49		1.2	3.9	1.6	1.5		
5/4/2017		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	160		1.1	3.9				
10/5/2017		3.3			1.5	1.5		
10/6/2017								
1/19/2018								
1/22/2018								
1/23/2018								18
1/24/2018								
1/25/2018	52	3.1	0.99 (J)	4.2	1.6	1.3		
1/26/2018								
6/19/2018								
6/20/2018	150					1.5	12	
6/21/2018				4.6	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				5.4				
9/28/2018		3.8			1.6			
10/1/2018	74					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	80							
1/24/2019			1.2			1.6		
1/25/2019								
1/28/2019					1.7			
1/30/2019								
1/31/2019		4.1		4				
6/24/2019								
6/25/2019	82		1.2			1.7	<1	16
6/26/2019		4.4		4.2				
6/27/2019					1.6			

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-4 (bg)	GWC-33	GWC-32	GWA-2 (bg)	GWC-30	GWA-1 (bg)	GWC-27
3/22/2016	1.4375	2.2163							
3/23/2016			0.0713 (J)	2.8158	2.1209	0.0276 (J)	0.0999 (J)	0.019 (J)	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							0.104 (J)	0.02 (J)	
5/23/2016	1.62								
5/24/2016					2.71	0.023 (J)			0.198 (J)
5/25/2016									
5/26/2016									
7/21/2016		3.2	<0.2				0.11 (J)	<0.2	
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					3.5	<0.2			
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	1.6	2.6	<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	1.4	2.5	<0.2						
4/28/2017						<0.2		<0.2	0.83
5/1/2017				4.2			0.092 (J)		
5/2/2017					3.5				

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-4 (bg)	GWC-33	GWC-32	GWA-2 (bg)	GWC-30	GWA-1 (bg)	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	1.7	2.3	<0.2			<0.2			0.18 (J)
10/4/2017							0.091 (J)	<0.2	
10/5/2017				3.9					
10/6/2017					3.5				
1/19/2018	1.4	2.1				<0.2		<0.2	0.6
1/22/2018			<0.2						
1/23/2018				3.4	3.1				
1/24/2018							<0.2		
1/25/2018									
1/26/2018									
6/19/2018	1.6	2.3	0.084 (J)			<0.2		<0.2	
6/20/2018									
6/21/2018							<0.2		
6/25/2018									
6/26/2018				2.1	2.6				
6/27/2018									0.73
9/25/2018	1.7	2.3	<0.2			<0.2		<0.2	
9/26/2018									
9/27/2018									0.91
9/28/2018									
10/1/2018									
10/2/2018				2.1	2.4				
10/3/2018							0.13 (J)		
1/17/2019			0.06 (J)			<0.2		<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	2.3		0.1 (J)		
1/31/2019									
6/24/2019			0.08 (J)			0.032 (J)		0.031 (J)	
6/25/2019	1.9	0.034 (J)							
6/26/2019				2.4					0.85
6/27/2019					2		0.073 (J)		

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-35	GWC-26	GWC-6	GWC-25	GWC-5	GWC-8	GWC-11	GWC-9
3/22/2016									
3/23/2016									
3/24/2016	0.1653 (J)	0.0396 (J)	0.0318 (J)						
3/28/2016				0.0752 (J)	0.0542 (J)	0.1116 (J)			
3/29/2016							0.0698 (J)	0.1377 (J)	0.0671 (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)		0.06 (J)
5/25/2016			0.0282 (J)					0.1521 (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	0.096 (J)
7/26/2016			<0.2				0.092 (J)		
7/27/2016					<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		<0.2	0.15 (J)	<0.2
9/20/2016									
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			<0.2	0.14 (J)	<0.2
11/17/2016									
11/18/2016									
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	<0.2
2/1/2017									
2/2/2017									
2/3/2017									
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		<0.2	0.097 (J)	0.12 (J)
3/24/2017									
3/28/2017									
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)	<0.2

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-35	GWC-26	GWC-6	GWC-25	GWC-5	GWC-8	GWC-11	GWC-9
5/3/2017							<0.2		
5/4/2017									
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)			<0.2
10/4/2017			<0.2					0.16 (J)	
10/5/2017					<0.2		0.085 (J)		
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							<0.2	0.11 (J)	<0.2
1/25/2018					<0.2				
1/26/2018									
6/19/2018		<0.2							
6/20/2018	0.18 (J)							0.13 (J)	
6/21/2018							<0.2		<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		0.082 (J)
9/27/2018			<0.2					0.12 (J)	
9/28/2018									
10/1/2018		<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)		0.065 (J)
1/24/2019			<0.2		<0.2			0.076 (J)	
1/25/2019									
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)		0.066 (J)
6/26/2019	0.11 (J)	0.045 (J)		0.059 (J)		0.081 (J)		0.096 (J)	
6/27/2019									

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-12	GWC-13	GWC-23	GWC-24	GWC-31	GWC-10	GWC-16	GWC-18
3/22/2016									
3/23/2016									
3/24/2016									
3/28/2016									
3/29/2016	0.2179 (J)	0.1936 (J)	0.1084 (J)	0.0308 (J)					
3/30/2016					0.0255 (J)	1.5245	1.2013	0.0391 (J)	0.0362 (J)
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016	0.216 (J)								
5/25/2016		0.1797 (J)	0.1002 (J)	0.0285 (J)	0.0182 (J)	1.65	1.34	0.034 (J)	
5/26/2016									0.038 (J)
7/21/2016									
7/22/2016	0.23	0.22							
7/25/2016									<0.2
7/26/2016			0.12 (J)						
7/27/2016				<0.2	<0.2		1.5	<0.2	
9/14/2016									
9/15/2016	0.22	0.18 (J)	0.1 (J)						
9/16/2016					<0.2		1.3	<0.2	
9/19/2016									<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)							
11/17/2016			0.092 (J)				0.76	<0.2	<0.2
11/18/2016				<0.2	<0.2				
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)	0.11 (J)						
2/1/2017							1.3	<0.2	<0.2
2/2/2017									
2/3/2017				<0.2	<0.2				
3/16/2017									
3/17/2017									
3/22/2017	0.2								
3/23/2017		0.17 (J)	0.088 (J)						
3/24/2017							1.3	<0.2	<0.2
3/28/2017				<0.2					
3/29/2017					<0.2				
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017	0.21								

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-12	GWC-13	GWC-23	GWC-24	GWC-31	GWC-10	GWC-16	GWC-18
5/3/2017		0.19 (J)	0.098 (J)				1.1	<0.2	<0.2
5/4/2017				<0.2	<0.2				
7/18/2017									
7/19/2017						1.6			
8/1/2017									
8/4/2017									
8/24/2017									
10/3/2017	0.23								
10/4/2017		0.2					1.2		
10/5/2017			0.1 (J)	<0.2	<0.2			<0.2	<0.2
10/6/2017						1.6			
1/19/2018									
1/22/2018									
1/23/2018	0.17 (J)					1.5			
1/24/2018		0.16 (J)							
1/25/2018			0.1 (J)	<0.2	<0.2		0.75	<0.2	<0.2
1/26/2018									
6/19/2018									
6/20/2018			0.11 (J)	<0.2				<0.2	
6/21/2018							0.76		<0.2
6/25/2018	0.25								
6/26/2018		0.18 (J)							
6/27/2018					<0.2	1.6			
9/25/2018									
9/26/2018									
9/27/2018							0.59		
9/28/2018		0.2			<0.2				<0.2
10/1/2018				<0.2				<0.2	
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			0.1 (J)						
1/24/2019									
1/25/2019		0.21		<0.2				0.027 (J)	
1/28/2019									<0.2
1/30/2019									
1/31/2019					<0.2	1.3	0.78		
6/24/2019									
6/25/2019	0.21		0.084 (J)					0.052 (J)	
6/26/2019		0.16 (J)		0.042 (J)	0.04 (J)	1.3	0.68		
6/27/2019									0.046 (J)

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-20	GWC-15	GWC-14	GWC-21	GWC-17	GWC-22	GWA-3 (bg)
3/22/2016								
3/23/2016								
3/24/2016								
3/28/2016								
3/29/2016								
3/30/2016	0.0369 (J)	0.04 (J)	0.0785 (J)	0.0355 (J)	0.0137 (J)	0.0422 (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			0.0757 (J)	0.0265 (J)		0.045 (J)		0.0485 (J)
5/26/2016	0.031 (J)	0.041 (J)			0.014 (J)		0.048 (J)	
7/21/2016								
7/22/2016								
7/25/2016	<0.2	<0.2						
7/26/2016			0.11 (J)	0.1 (J)	<0.2		<0.2	
7/27/2016						<0.2		<0.2
9/14/2016								
9/15/2016				<0.2				
9/16/2016								
9/19/2016	<0.2					<0.2		
9/20/2016		<0.2	<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	<0.2	
11/18/2016								
1/17/2017								
1/19/2017								
1/20/2017								
1/24/2017								
1/25/2017								
1/26/2017								
1/31/2017								
2/1/2017			0.086 (J)	<0.2		<0.2		
2/2/2017	<0.2	<0.2			<0.2			
2/3/2017							<0.2	
3/16/2017								
3/17/2017								
3/22/2017								
3/23/2017			<0.2	<0.2				
3/24/2017	<0.2					<0.2		
3/28/2017		<0.2			<0.2		<0.2	
3/29/2017								
4/27/2017								
4/28/2017								
5/1/2017								
5/2/2017								

Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 7/29/2019 3:15 PM View: State CCR Interwell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-20	GWC-15	GWC-14	GWC-21	GWC-17	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		<0.2		
10/5/2017	<0.2						<0.2	
10/6/2017		<0.2			<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	
1/26/2018		<0.2			<0.2			
6/19/2018								
6/20/2018			0.093 (J)	<0.2	<0.2		<0.2	<0.2
6/21/2018	<0.2	<0.2						
6/25/2018								
6/26/2018						<0.2		
6/27/2018								
9/25/2018								
9/26/2018								
9/27/2018	<0.2	<0.2			<0.2			
9/28/2018								
10/1/2018			0.1 (J)	0.083 (J)			<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)	0.057 (J)				
1/24/2019					<0.2	<0.2	<0.2	
1/25/2019								
1/28/2019	<0.2	<0.2						
1/30/2019								
1/31/2019								
6/24/2019								
6/25/2019		0.049 (J)	0.068 (J)	0.054 (J)	0.032 (J)	0.051 (J)	0.052 (J)	0.03 (J)
6/26/2019	0.046 (J)							
6/27/2019								

Intrawell Prediction Limit Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 7/29/2019, 3:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
pH (S.U.)	**GWC-18**	**6.184**	**5.79**	**6/27/2019**	**5.78**	**Yes**	**8**	**0**	**No**	**0.0001297**	**Param Intra 1 of 3**
Sulfate (mg/L)	**GWA-28**	**1.623**	**n/a**	**6/25/2019**	**2.2**	**Yes**	**9**	**11.11**	**No**	**0.0002595**	**Param Intra 1 of 3**
Sulfate (mg/L)	**GWA-29**	**14.38**	**n/a**	**6/25/2019**	**26**	**Yes**	**8**	**0**	**No**	**0.0002595**	**Param Intra 1 of 3**
Sulfate (mg/L)	**GWC-12**	**25**	**n/a**	**6/26/2019**	**25**	**Yes**	**9**	**0**	**No**	**0.0002595**	**Param Intra 1 of 3**
Sulfate (mg/L)	**GWC-17**	**1**	**n/a**	**6/25/2019**	**1.1**	**Yes**	**9**	**55.56**	**n/a**	**0.004675**	**NP Intra (NDs) 1 of 3**
Sulfate (mg/L)	**GWC-30**	**1.476**	**n/a**	**6/27/2019**	**1.7**	**Yes**	**9**	**0**	**No**	**0.0002595**	**Param Intra 1 of 3**
Sulfate (mg/L)	**GWC-5**	**28.38**	**n/a**	**6/26/2019**	**31**	**Yes**	**9**	**0**	**No**	**0.0002595**	**Param Intra 1 of 3**

Intrawell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 7/29/2019, 3:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
pH (S.U.)	GWA-1	5.89	4.924	6/24/2019	5.3	No	10	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWA-2	6.032	5.384	6/24/2019	5.75	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWA-28	6.819	5.59	6/25/2019	6.03	No	10	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWA-29	6.445	5.85	6/25/2019	5.96	No	8	0	n/a	0.01182	NP Intra (normality) 1 of 3
pH (S.U.)	GWA-4	6.737	5.889	6/24/2019	6.12	No	8	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-10	7.052	5.712	6/26/2019	5.78	No	8	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-11	6.62	5.665	6/26/2019	5.97	No	10	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-12	8.157	6.211	6/26/2019	7.28	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-13	7.864	5.917	6/25/2019	6.54	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-14	6.434	4.646	6/25/2019	5.49	No	10	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-15	6.805	6.368	6/25/2019	6.43	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-16	6.446	5.744	6/25/2019	6.08	No	8	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-17	6.439	5.99	6/25/2019	6.12	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	**GWC-18**	**6.184**	**5.79**	**6/27/2019**	**5.78**	**Yes**	**8**	**0**	**No**	**0.0001297**	**Param Intra 1 of 3**
pH (S.U.)	GWC-19	6.378	5.662	6/26/2019	5.78	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-20	7.121	6.08	6/25/2019	6.15	No	8	0	n/a	0.01182	NP Intra (normality) 1 of 3
pH (S.U.)	GWC-21	6.639	4.842	6/25/2019	5.35	No	9	0	ln(x)	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-22	6.93	6.307	6/25/2019	6.59	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-23	7.694	4.5	6/26/2019	5.86	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-24	7.997	4.166	6/26/2019	5.59	No	8	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-25	7.499	4.944	6/25/2019	5.66	No	11	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-26	6.074	5.364	6/25/2019	5.63	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-27	6.049	5.176	6/26/2019	5.72	No	10	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-30	6.78	5.9	6/27/2019	6.08	No	10	0	n/a	0.00688	NP Intra (normality) 1 of 3
pH (S.U.)	GWC-31	6.538	5.676	6/26/2019	6.18	No	8	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-32	6.455	5.918	6/27/2019	6.11	No	8	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-33	7.046	5.743	6/26/2019	6.3	No	10	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-34	6.666	5.244	6/26/2019	5.8	No	10	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-35	6.327	4.97	6/26/2019	5.55	No	10	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-5	7.504	5.579	6/26/2019	6.42	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-6	6.642	5.542	6/26/2019	5.82	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-7	6.539	6.191	6/25/2019	6.23	No	9	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-8	6.659	5.667	6/25/2019	5.85	No	10	0	No	0.0001297	Param Intra 1 of 3
pH (S.U.)	GWC-9	6.468	5.402	6/25/2019	5.71	No	8	0	No	0.0001297	Param Intra 1 of 3
Sulfate (mg/L)	GWA-1	1	n/a	6/24/2019	1ND	No	9	100	n/a	0.004675	NP Intra (NDs) 1 of 3
Sulfate (mg/L)	GWA-2	2.432	n/a	6/24/2019	0.91	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	**GWA-28**	**1.623**	**n/a**	**6/25/2019**	**2.2**	**Yes**	**9**	**11.11**	**No**	**0.0002595**	**Param Intra 1 of 3**
Sulfate (mg/L)	**GWA-29**	**14.38**	**n/a**	**6/25/2019**	**26**	**Yes**	**8**	**0**	**No**	**0.0002595**	**Param Intra 1 of 3**
Sulfate (mg/L)	GWA-3	459.9	n/a	6/25/2019	1ND	No	4	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWA-4	15	n/a	6/24/2019	10	No	9	0	n/a	0.004675	NP Intra (normality) 1 of 3
Sulfate (mg/L)	GWC-10	54.19	n/a	6/26/2019	13	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-11	3.7	n/a	6/26/2019	0.47	No	9	77.78	n/a	0.004675	NP Intra (NDs) 1 of 3
Sulfate (mg/L)	**GWC-12**	**25**	**n/a**	**6/26/2019**	**25**	**Yes**	**9**	**0**	**No**	**0.0002595**	**Param Intra 1 of 3**
Sulfate (mg/L)	GWC-13	3.019	n/a	6/25/2019	3	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-14	40.29	n/a	6/25/2019	13	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-15	2.311	n/a	6/25/2019	2	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-16	1	n/a	6/25/2019	0.84	No	9	77.78	n/a	0.004675	NP Intra (NDs) 1 of 3
Sulfate (mg/L)	**GWC-17**	**1**	**n/a**	**6/25/2019**	**1.1**	**Yes**	**9**	**55.56**	**n/a**	**0.004675**	**NP Intra (NDs) 1 of 3**
Sulfate (mg/L)	GWC-18	1	n/a	6/27/2019	0.85	No	9	77.78	n/a	0.004675	NP Intra (NDs) 1 of 3
Sulfate (mg/L)	GWC-19	10.99	n/a	6/26/2019	0.88	No	9	33.33	ln(x)	0.0002595	Param Intra 1 of 3

Intrawell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 7/29/2019, 3:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Sulfate (mg/L)	GWC-20	1.229	n/a	6/25/2019	0.99	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-21	1	n/a	6/25/2019	1ND	No	9	88.89	n/a	0.004675	NP Intra (NDs) 1 of 3
Sulfate (mg/L)	GWC-22	1	n/a	6/25/2019	0.76	No	9	77.78	n/a	0.004675	NP Intra (NDs) 1 of 3
Sulfate (mg/L)	GWC-23	1	n/a	6/26/2019	0.64	No	9	77.78	n/a	0.004675	NP Intra (NDs) 1 of 3
Sulfate (mg/L)	GWC-24	1.019	n/a	6/26/2019	0.71	No	9	77.78	n/a	0.004675	NP Intra (NDs) 1 of 3
Sulfate (mg/L)	GWC-25	37.52	n/a	6/25/2019	1.6	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-26	1	n/a	6/25/2019	0.78	No	9	77.78	n/a	0.004675	NP Intra (NDs) 1 of 3
Sulfate (mg/L)	GWC-27	4	n/a	6/26/2019	3.2	No	9	11.11	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	**GWC-30**	**1.476**	**n/a**	**6/27/2019**	**1.7**	**Yes**	**9**	**0**	**No**	**0.0002595**	**Param Intra 1 of 3**
Sulfate (mg/L)	GWC-31	30.01	n/a	6/26/2019	9.9	No	5	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-32	16.09	n/a	6/27/2019	9.9	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-33	51.84	n/a	6/26/2019	10	No	9	0	x^(1/3)	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-34	1.942	n/a	6/26/2019	1.9	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-35	3.045	n/a	6/26/2019	2.8	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	**GWC-5**	**28.38**	**n/a**	**6/26/2019**	**31**	**Yes**	**9**	**0**	**No**	**0.0002595**	**Param Intra 1 of 3**
Sulfate (mg/L)	GWC-6	19.18	n/a	6/26/2019	9.3	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-7	96.86	n/a	6/25/2019	59	No	8	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-8	54.3	n/a	6/25/2019	14	No	9	0	No	0.0002595	Param Intra 1 of 3
Sulfate (mg/L)	GWC-9	46.04	n/a	6/25/2019	11	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWA-1	34.17	n/a	6/24/2019	21	No	9	44.44	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWA-2	78.63	n/a	6/24/2019	72	No	9	22.22	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWA-28	113.8	n/a	6/25/2019	88	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWA-29	134.7	n/a	6/25/2019	97	No	8	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWA-3	1139	n/a	6/25/2019	130	No	4	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWA-4	207.3	n/a	6/24/2019	170	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-10	279.8	n/a	6/26/2019	46	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-11	289.2	n/a	6/26/2019	87	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-12	259.8	n/a	6/26/2019	140	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-13	87.6	n/a	6/25/2019	56	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-14	619.1	n/a	6/25/2019	280	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-15	120.9	n/a	6/25/2019	99	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-16	157.4	n/a	6/25/2019	91	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-17	157.3	n/a	6/25/2019	110	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-18	117.1	n/a	6/27/2019	77	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-19	116.9	n/a	6/26/2019	5ND	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-20	126.6	n/a	6/25/2019	100	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-21	79.36	n/a	6/25/2019	63	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-22	126.6	n/a	6/25/2019	110	No	9	11.11	x^3	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-23	73.94	n/a	6/26/2019	44	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-24	45.46	n/a	6/26/2019	5ND	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-25	121.1	n/a	6/25/2019	58	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-26	84.21	n/a	6/25/2019	49	No	9	11.11	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-27	75.8	n/a	6/26/2019	5ND	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-30	90.38	n/a	6/27/2019	30	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-31	169.9	n/a	6/26/2019	110	No	5	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-32	139.5	n/a	6/27/2019	47	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-33	185.8	n/a	6/26/2019	100	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-34	98.43	n/a	6/26/2019	61	No	9	11.11	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-35	70.88	n/a	6/26/2019	46	No	9	11.11	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-5	231.8	n/a	6/26/2019	120	No	9	0	No	0.0002595	Param Intra 1 of 3

Intrawell Prediction Limit All Results

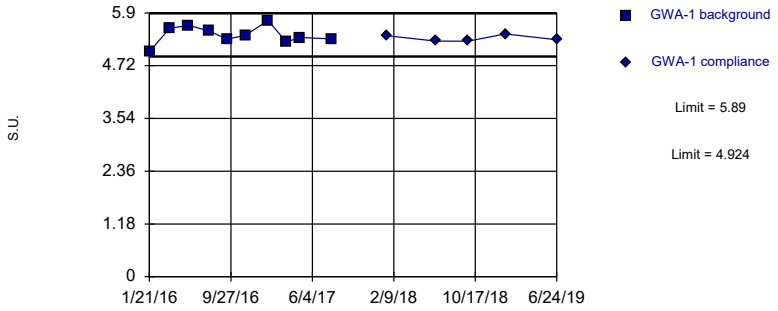
Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 7/29/2019, 3:31 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Total Dissolved Solids (mg/L)	GWC-6	171.4	n/a	6/26/2019	41	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-7	548.9	n/a	6/25/2019	400	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-8	271.5	n/a	6/25/2019	200	No	9	0	No	0.0002595	Param Intra 1 of 3
Total Dissolved Solids (mg/L)	GWC-9	390.3	n/a	6/25/2019	160	No	9	0	No	0.0002595	Param Intra 1 of 3

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=5.407, Std. Dev.=0.2025, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9795, critical = 0.781. Kappa = 2.386 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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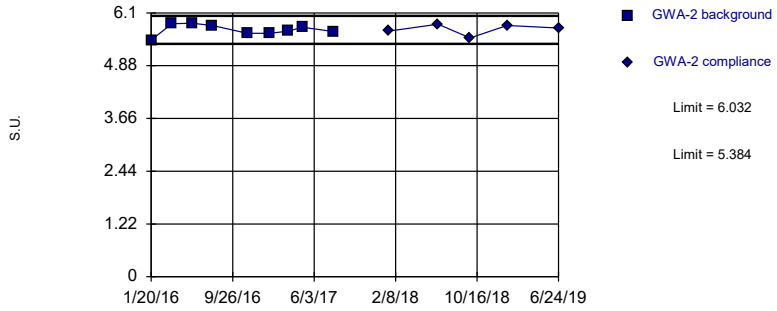
Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=5.708, Std. Dev.=0.1266, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9321, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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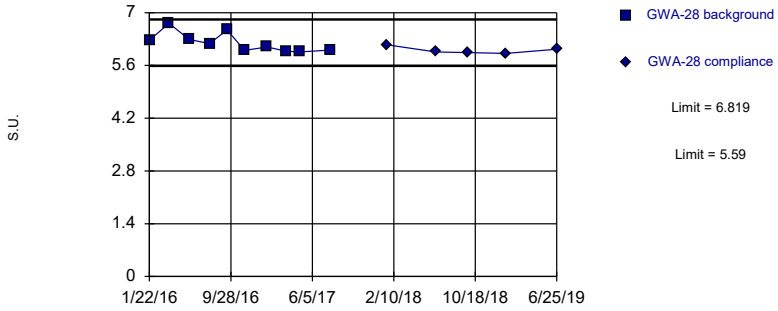
Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.204, Std. Dev.=0.2576, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8673, critical = 0.781. Kappa = 2.386 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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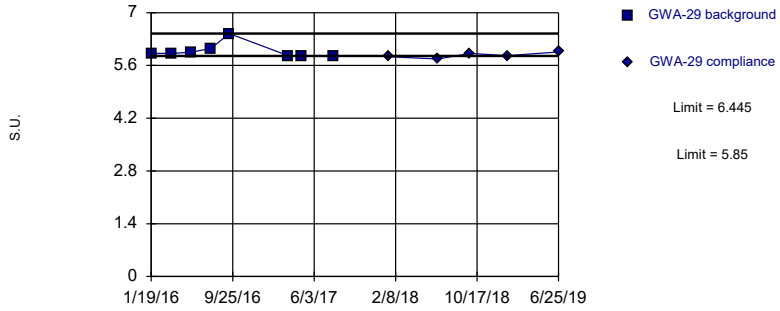
Within Limits

pH

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 8 background values. Well-constituent pair annual alpha = 0.02358. Individual comparison alpha = 0.01182 (1 of 3).

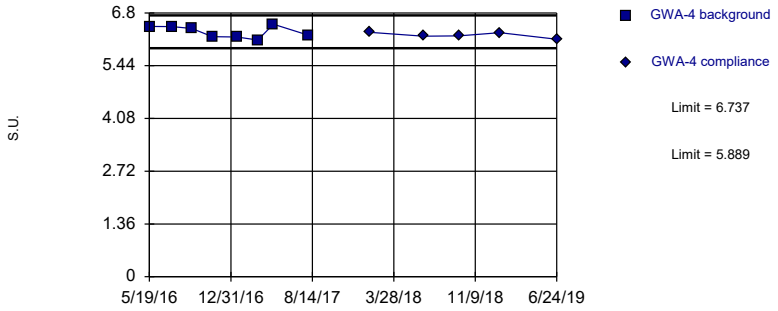
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.313, Std. Dev.=0.1551, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8952, critical = 0.749. Kappa = 2.733 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

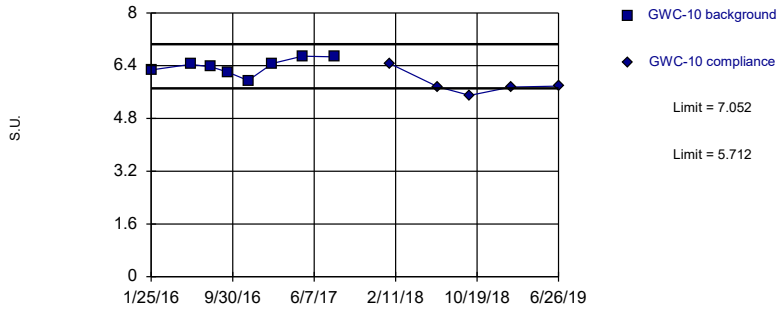
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.382, Std. Dev.=0.2451, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9582, critical = 0.749. Kappa = 2.733 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

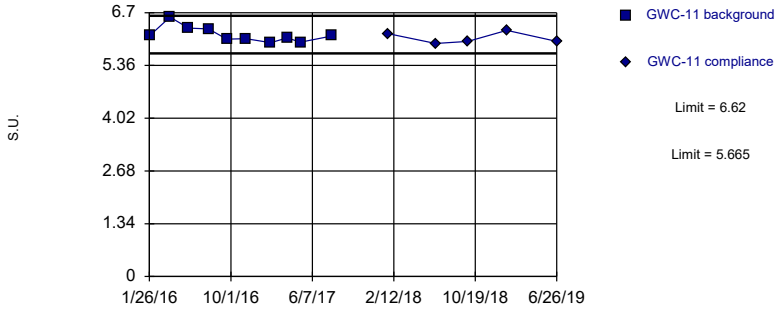
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.143, Std. Dev.=0.2, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8639, critical = 0.781. Kappa = 2.386 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

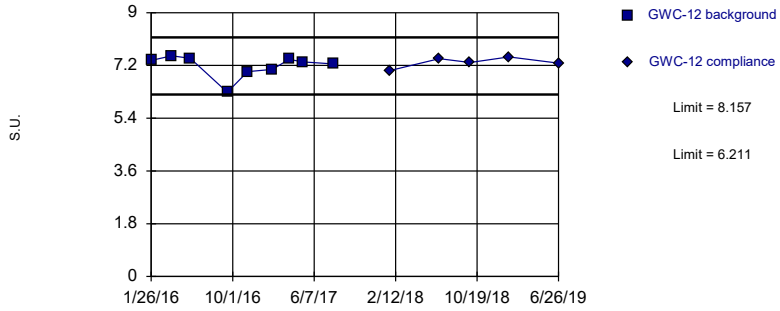
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=7.184, Std. Dev.=0.3803, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.796, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

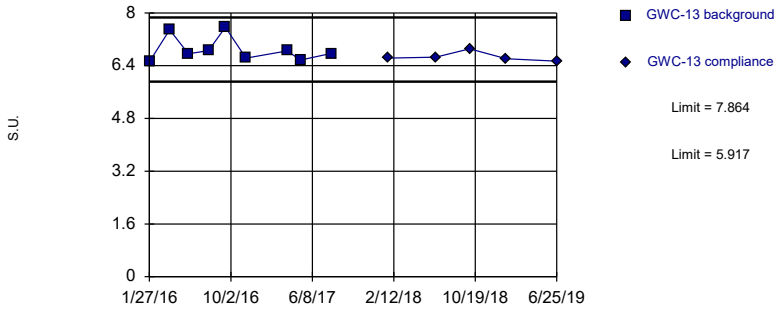
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.891, Std. Dev.=0.3804, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8096, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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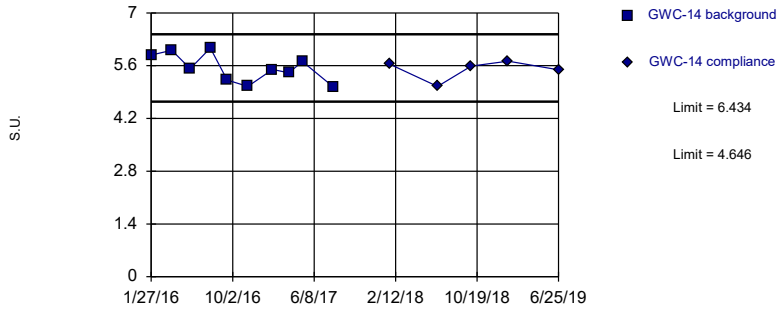
Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=5.54, Std. Dev.=0.3747, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9394, critical = 0.781. Kappa = 2.386 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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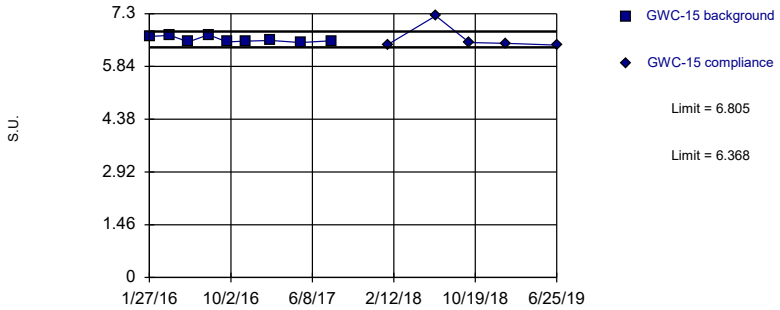
Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.587, Std. Dev.=0.08535, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8279, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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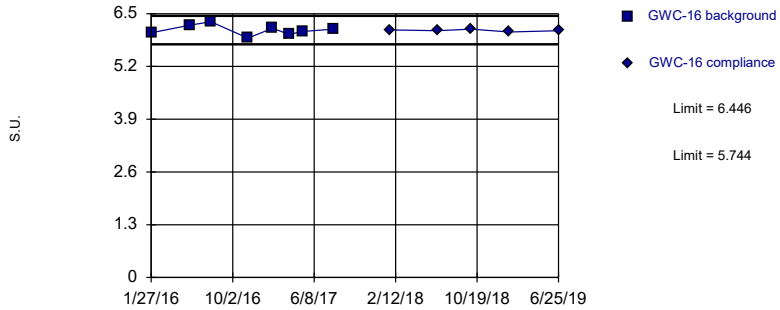
Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.095, Std. Dev.=0.1285, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9916, critical = 0.749. Kappa = 2.733 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

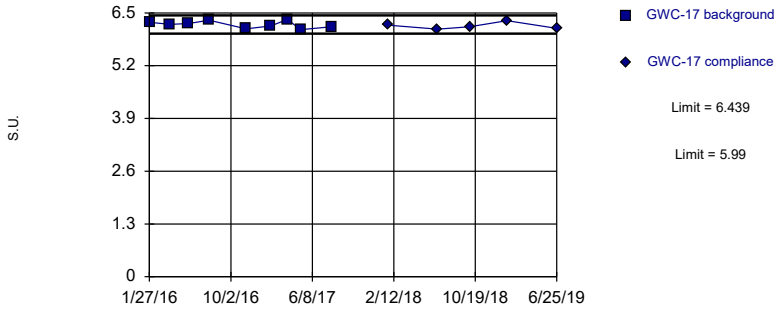
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.215, Std. Dev.=0.08769, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9614, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

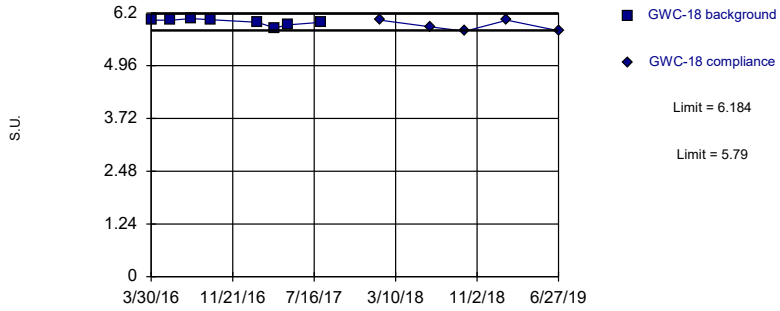
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limits

pH

Intrawell Parametric



Background Data Summary: Mean=5.987, Std. Dev.=0.07194, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9006, critical = 0.749. Kappa = 2.733 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

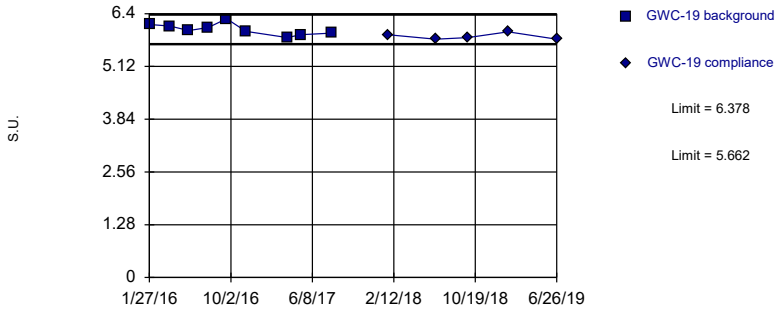
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.02, Std. Dev.=0.1401, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9811, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

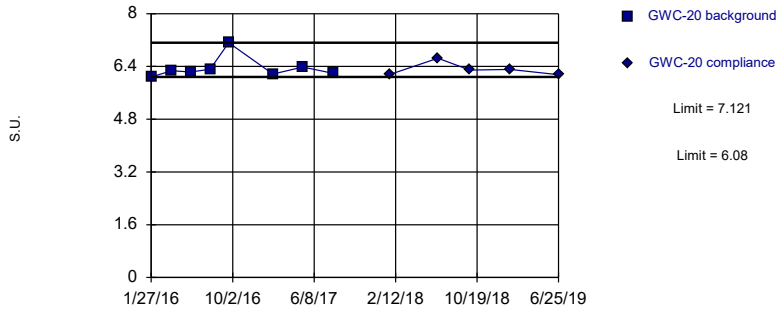
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

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 8 background values. Well-constituent pair annual alpha = 0.02358. Individual comparison alpha = 0.01182 (1 of 3).

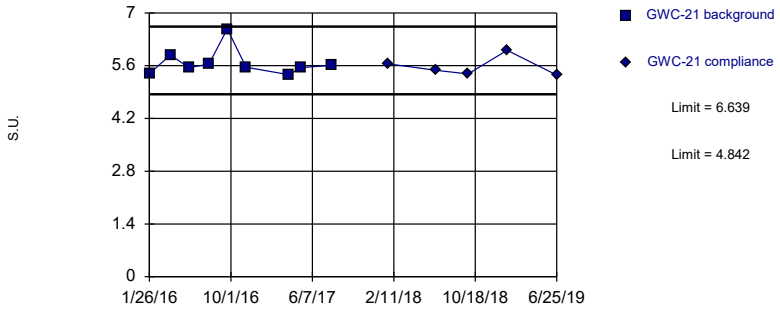
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.735, Std. Dev.=0.06166, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7668, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

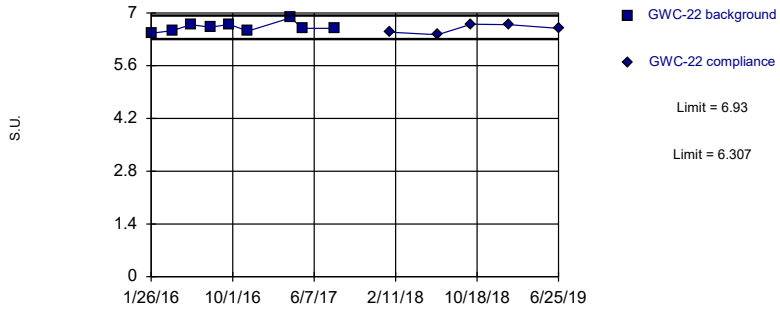
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.619, Std. Dev.=0.1218, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9349, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

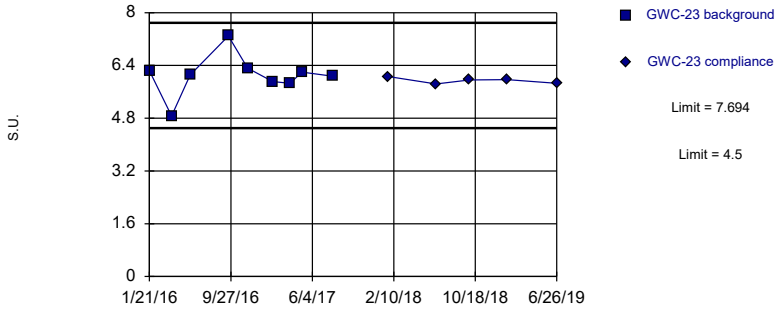
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.097, Std. Dev.=0.6239, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8793, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

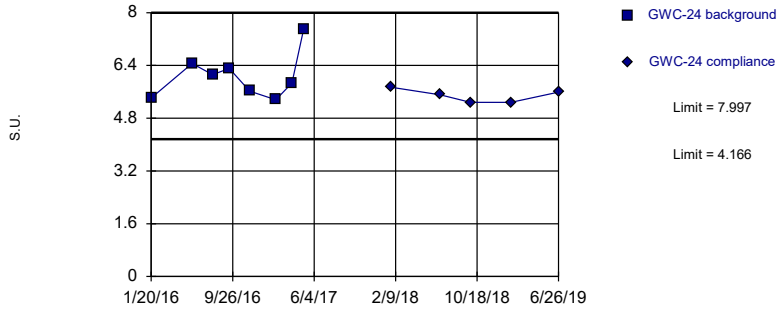
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.081, Std. Dev.=0.7008, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9026, critical = 0.749. Kappa = 2.733 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

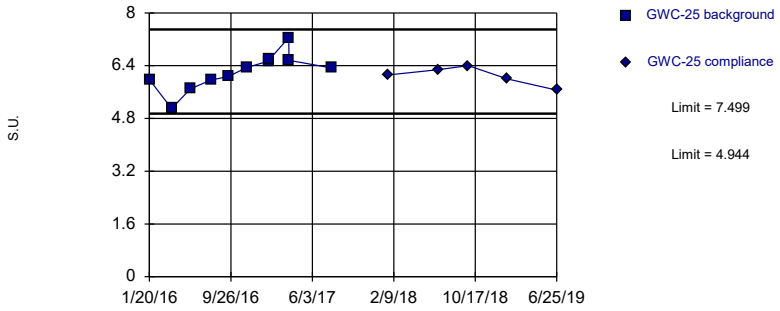
Prediction Limit Analysis Run 7/29/2019 3:18 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.221, Std. Dev.=0.558, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9644, critical = 0.792. Kappa = 2.289 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

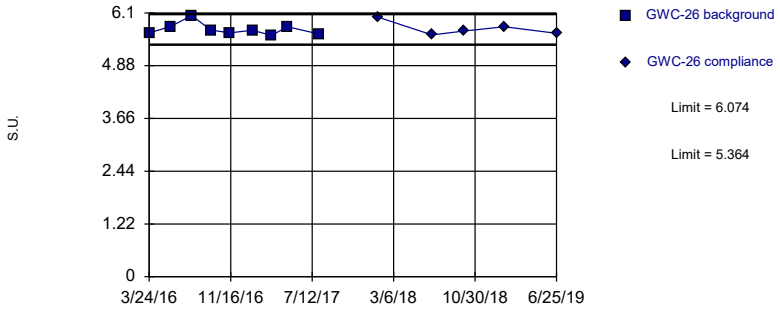
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=5.719, Std. Dev.=0.1386, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8363, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

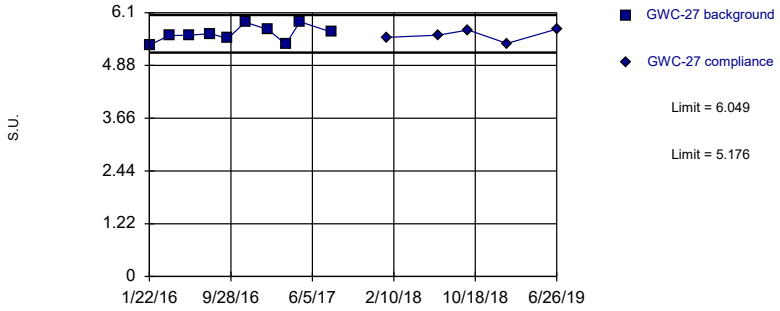
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=5.612, Std. Dev.=0.1829, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.941, critical = 0.781. Kappa = 2.386 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

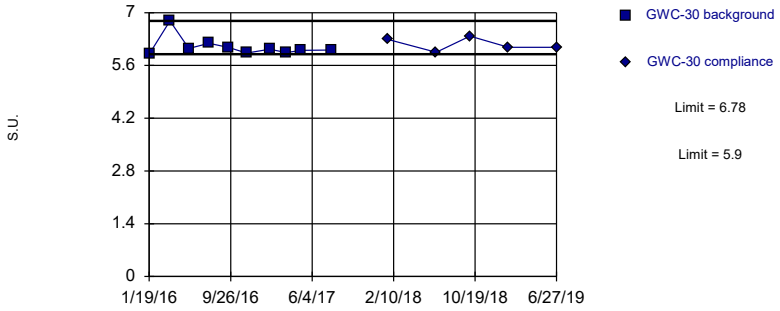
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

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 10 background values. Well-constituent pair annual alpha = 0.01374. Individual comparison alpha = 0.00688 (1 of 3).

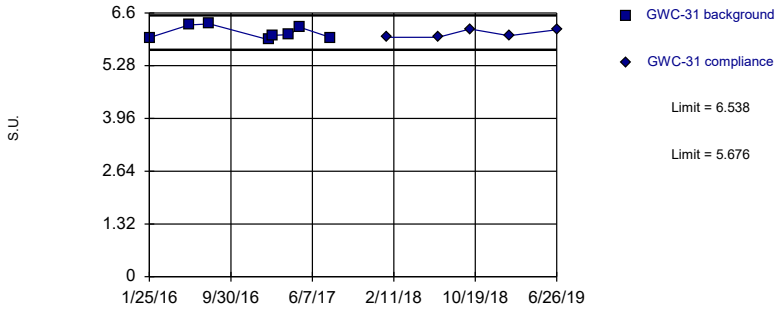
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.107, Std. Dev.=0.1577, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8673, critical = 0.749. Kappa = 2.733 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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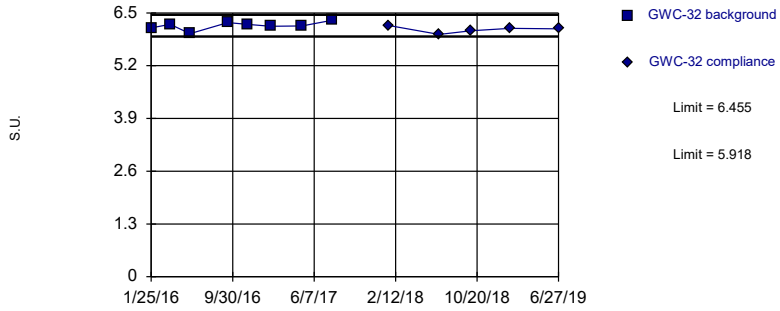
Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.186, Std. Dev.=0.0983, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9382, critical = 0.749. Kappa = 2.733 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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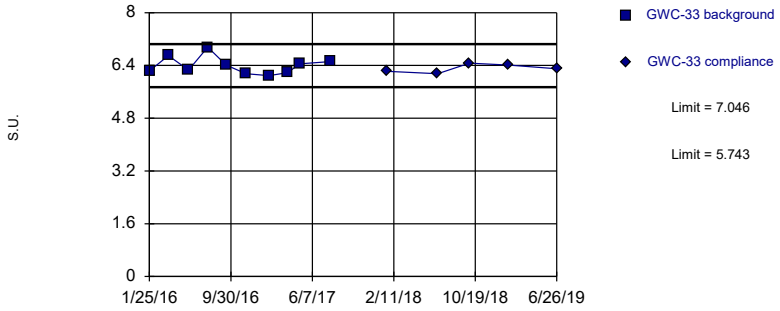
Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.395, Std. Dev.=0.2731, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.915, critical = 0.781. Kappa = 2.386 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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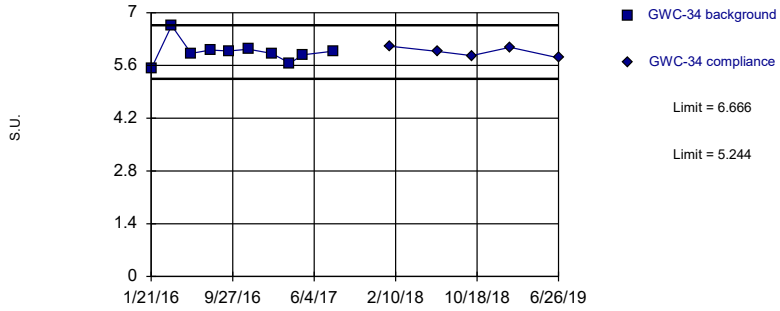
Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=5.955, Std. Dev.=0.2981, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.839, critical = 0.781. Kappa = 2.386 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

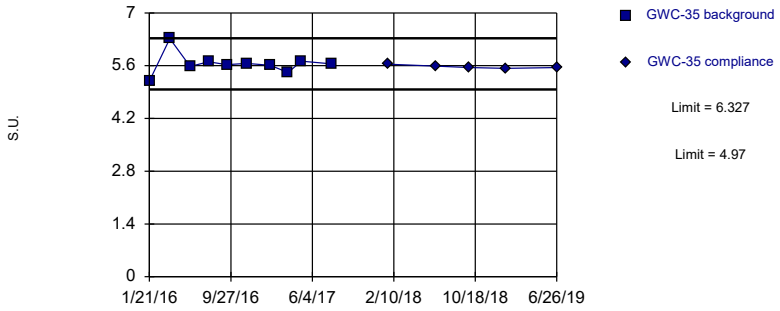
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=5.648, Std. Dev.=0.2844, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8362, critical = 0.781. Kappa = 2.386 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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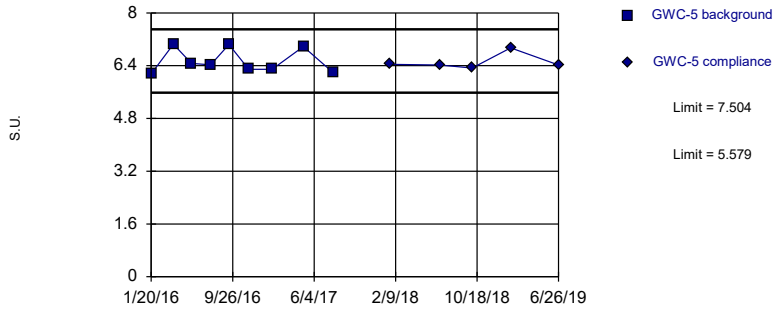
Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.542, Std. Dev.=0.3761, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8199, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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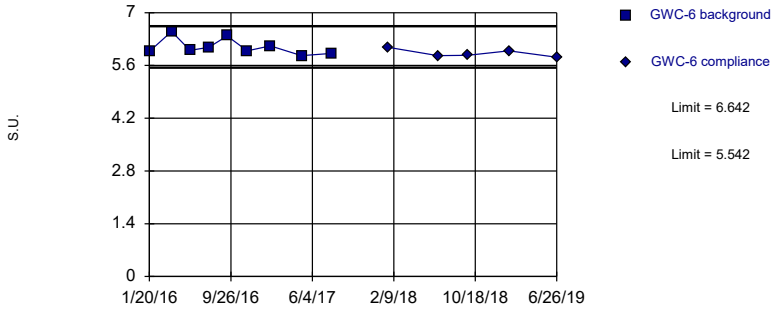
Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.092, Std. Dev.=0.2149, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8657, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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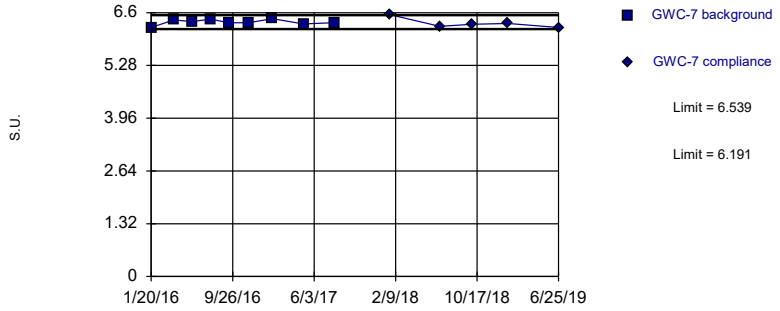
Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.365, Std. Dev.=0.06791, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9294, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

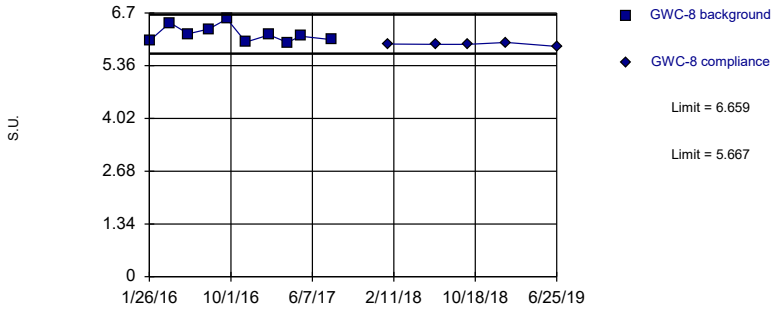
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=6.163, Std. Dev.=0.2079, n=10. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.894, critical = 0.781. Kappa = 2.386 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

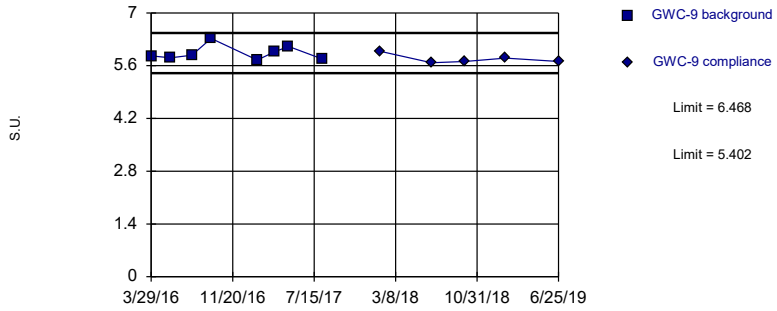
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

pH

Intrawell Parametric



Background Data Summary: Mean=5.935, Std. Dev.=0.1949, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.868, critical = 0.749. Kappa = 2.733 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

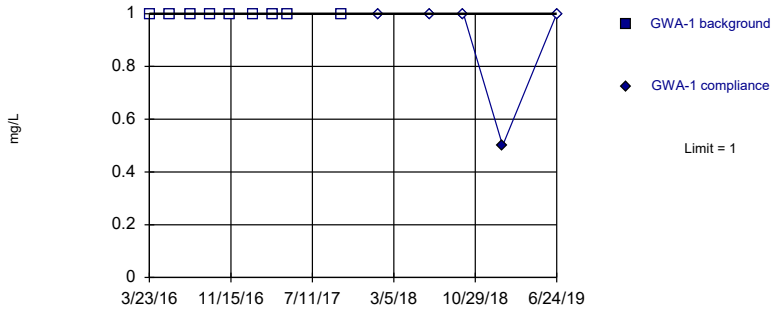
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Sulfate

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 9) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

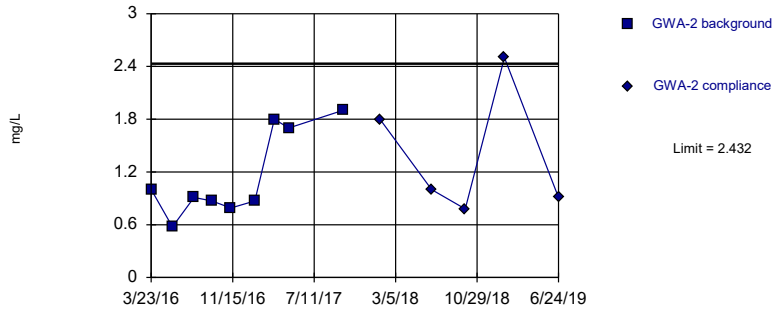
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=1.157, Std. Dev.=0.4978, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.831, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

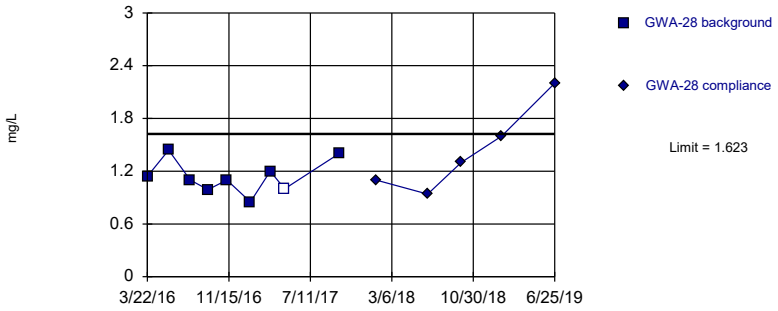
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Exceeds Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=1.136, Std. Dev.=0.1905, n=9, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9451, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

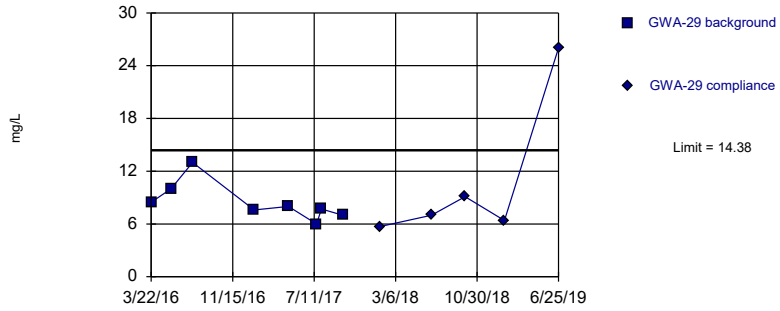
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=8.471, Std. Dev.=2.161, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8766, critical = 0.749. Kappa = 2.733 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

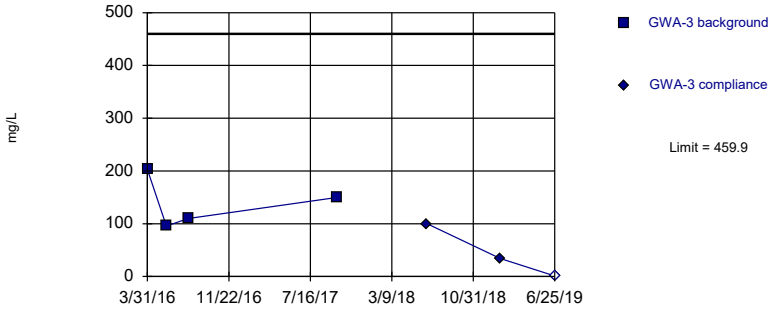
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=139.7, Std. Dev.=48.06, n=4. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9337, critical = 0.687. Kappa = 6.664 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

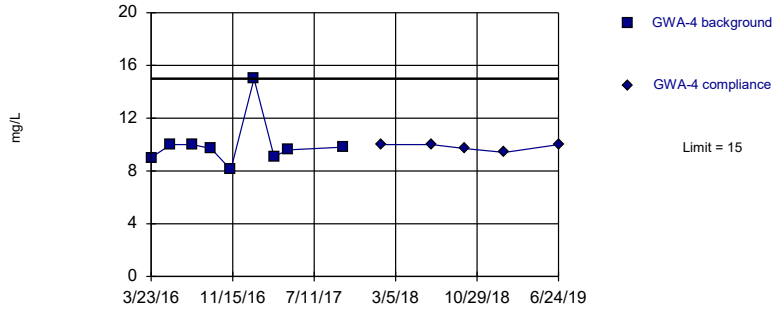
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Sulfate

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 9 background values. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

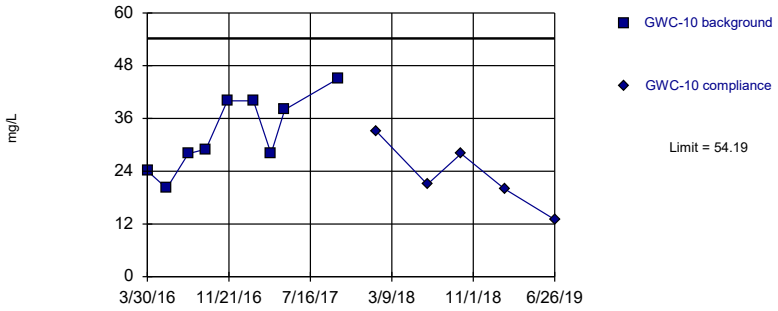
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=32.46, Std. Dev.=8.49, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9293, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

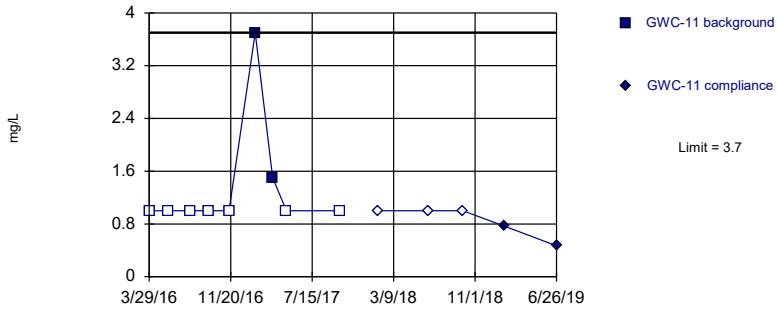
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Sulfate

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

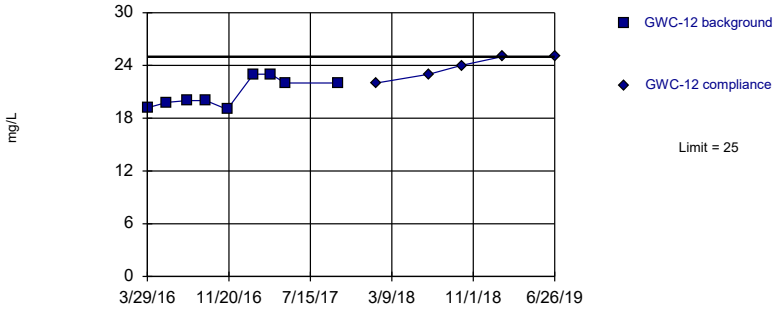
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=20.89, Std. Dev.=1.605, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8624, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

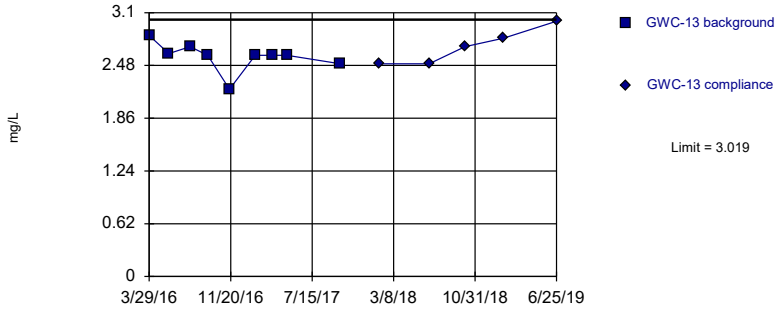
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=2.584, Std. Dev.=0.1701, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8387, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

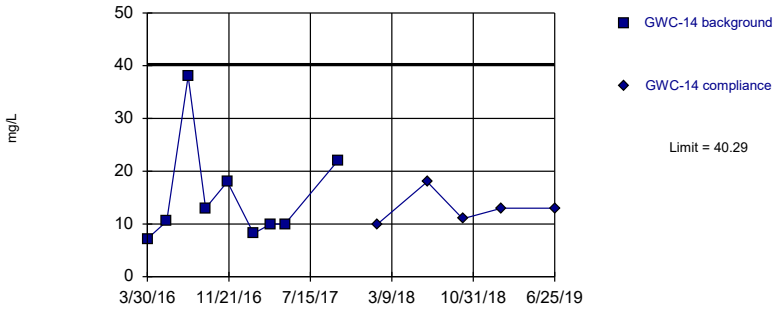
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=15.21, Std. Dev.=9.797, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7801, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

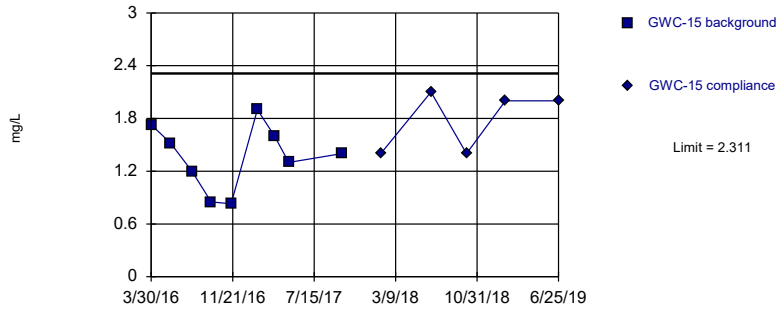
Prediction Limit Analysis Run 7/29/2019 3:19 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=1.37, Std. Dev.=0.3678, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9523, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

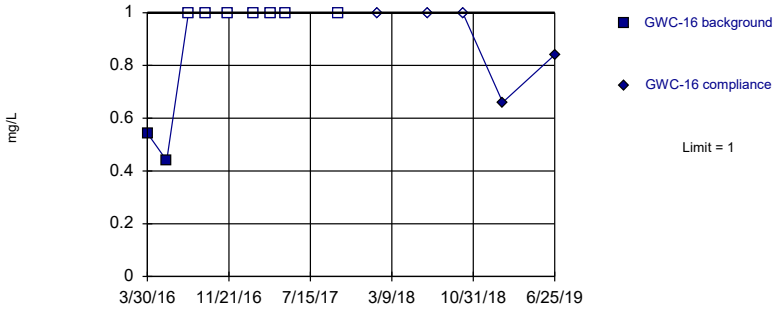
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Sulfate

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

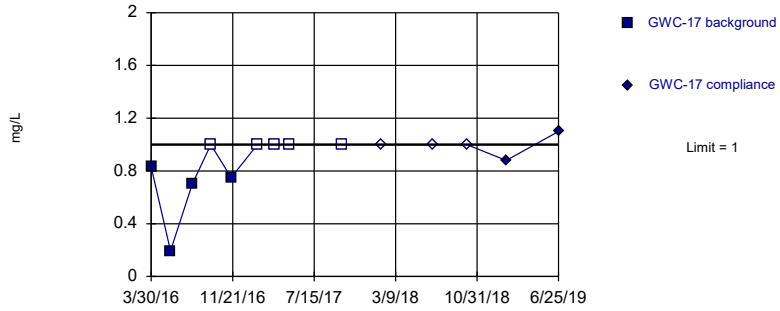
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Exceeds Limit

Sulfate

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. 55.56% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

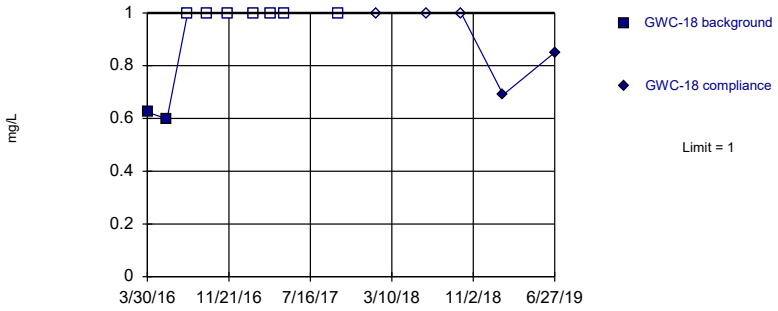
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Sulfate

Intrawell Non-parametric



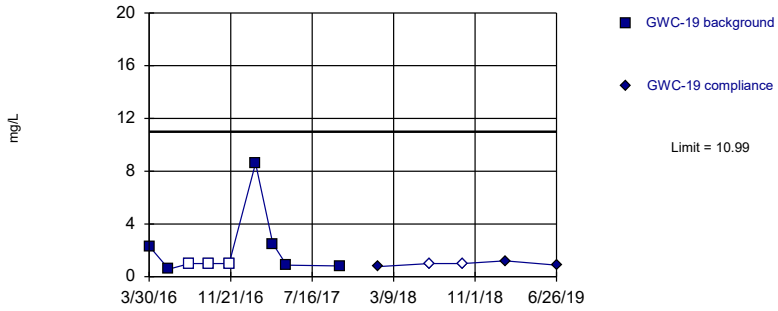
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Sulfate

Intrawell Parametric



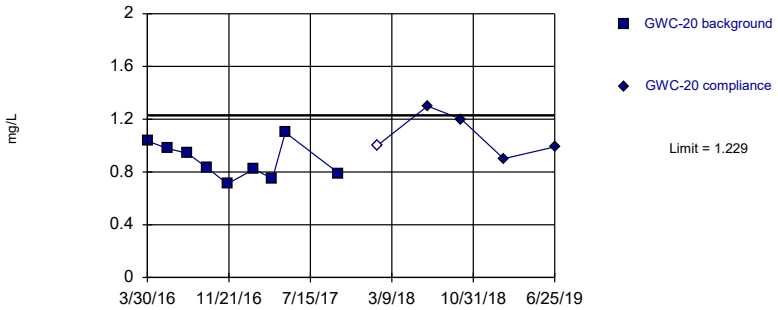
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=0.236, Std. Dev.=0.8444, n=9, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8357, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Sulfate

Intrawell Parametric



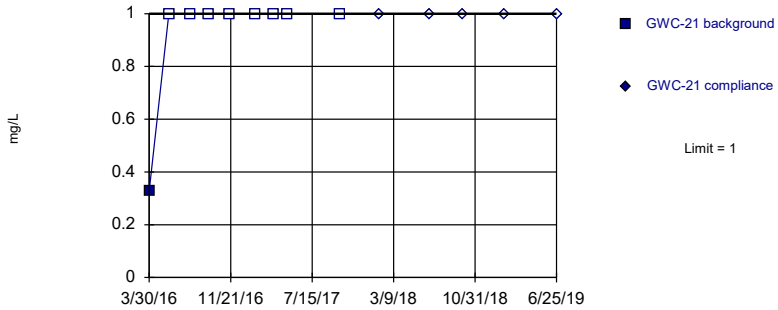
Background Data Summary: Mean=0.8838, Std. Dev.=0.135, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9435, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Sulfate

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. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

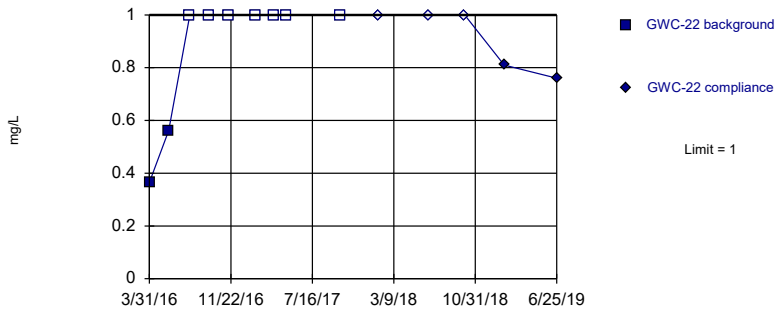
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Sulfate

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

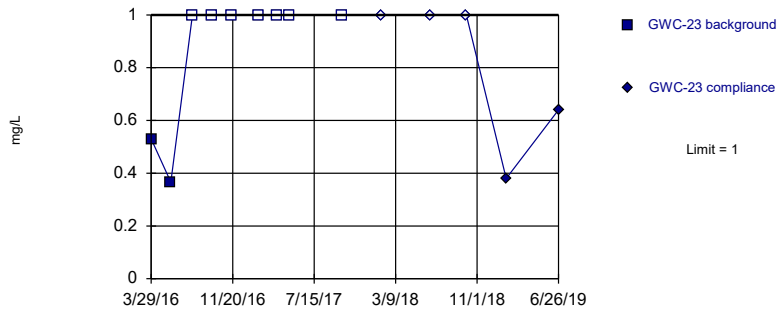
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Sulfate

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

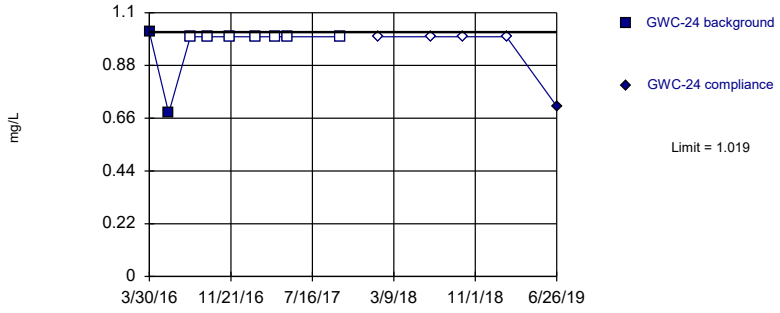
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Sulfate

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

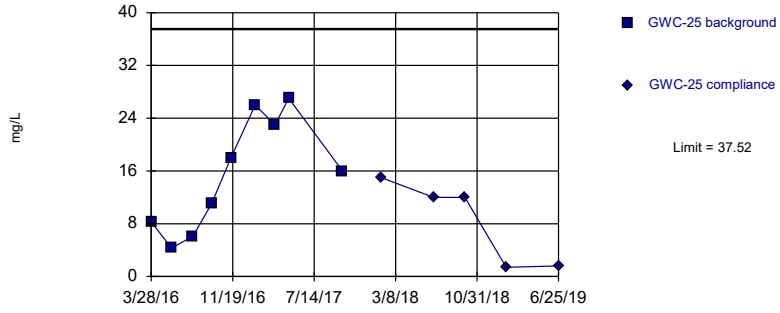
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=15.53, Std. Dev.=8.593, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9254, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

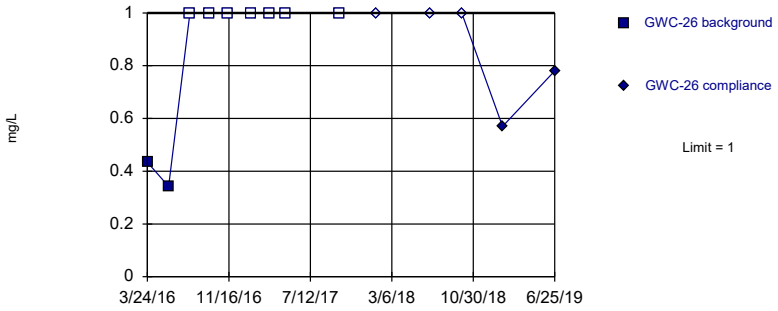
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Sulfate

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

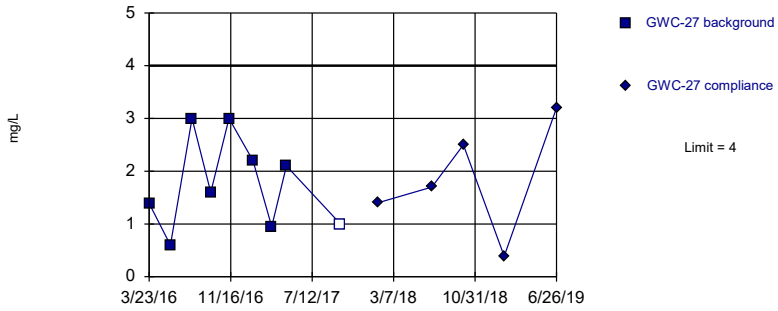
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=1.76, Std. Dev.=0.8754, n=9, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

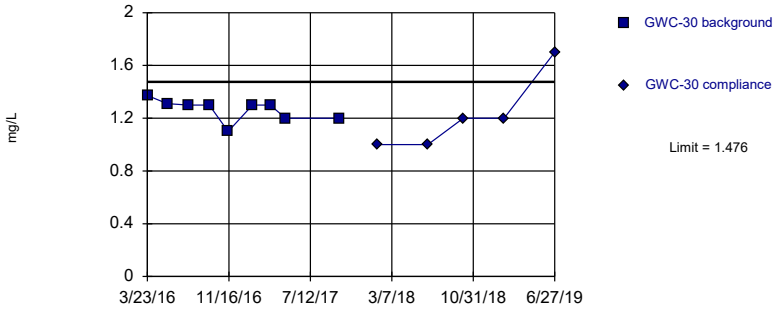
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG

Exceeds Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=1.265, Std. Dev.=0.08234, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8612, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

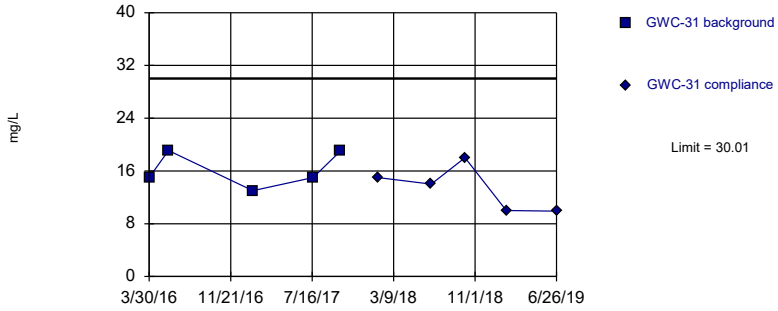
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=16.22, Std. Dev.=2.708, n=5. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8586, critical = 0.686. Kappa = 5.09 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

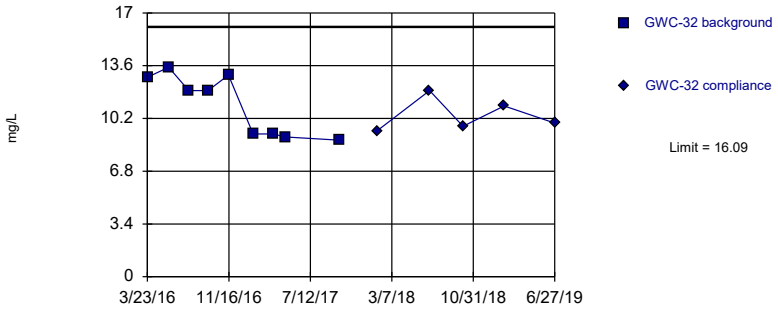
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=11.06, Std. Dev.=1.967, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8243, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

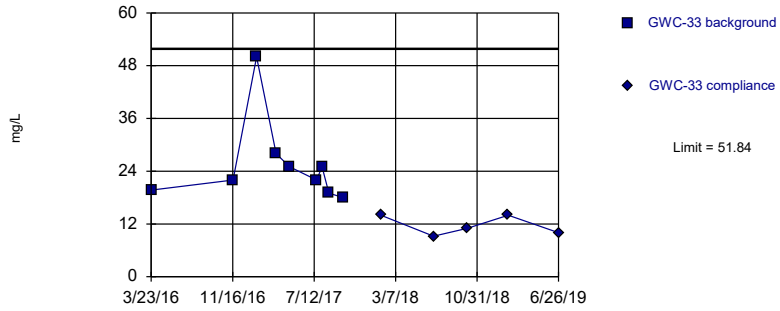
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=2.907, Std. Dev.=0.3211, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7784, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

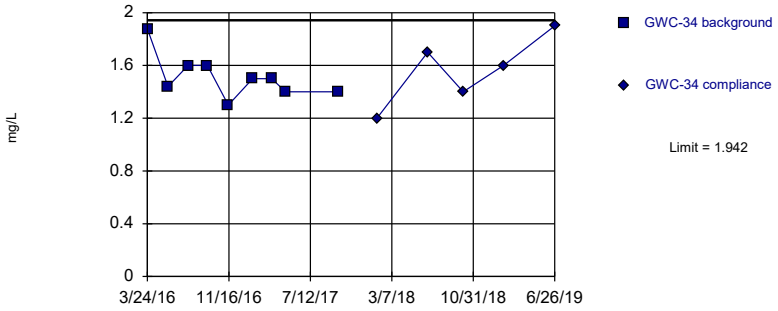
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=1.513, Std. Dev.=0.1677, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9018, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

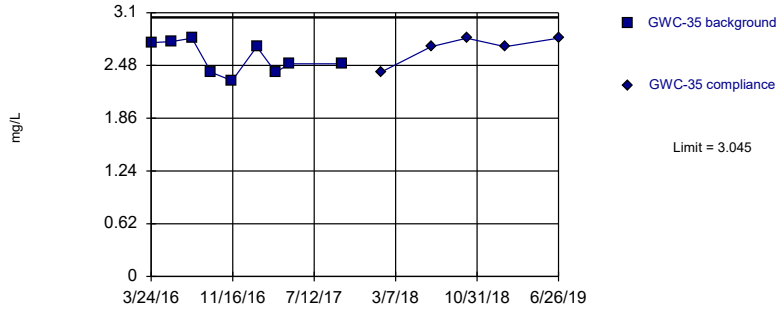
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=2.568, Std. Dev.=0.1864, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8951, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

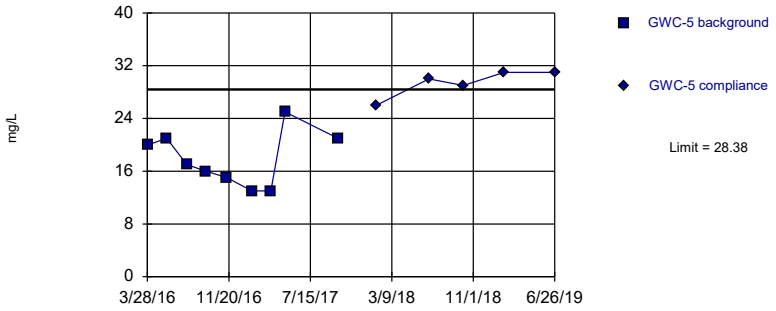
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=17.88, Std. Dev.=4.102, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9349, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

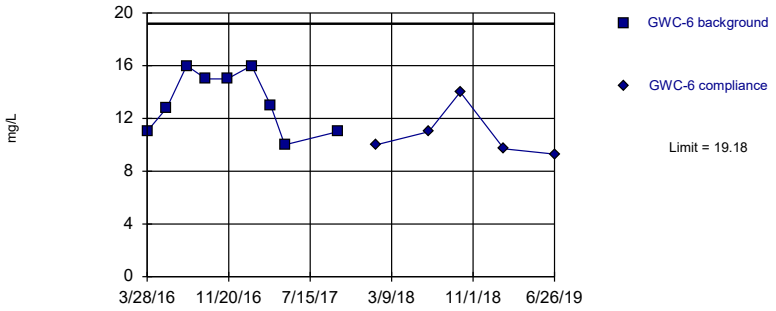
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=13.32, Std. Dev.=2.291, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8994, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

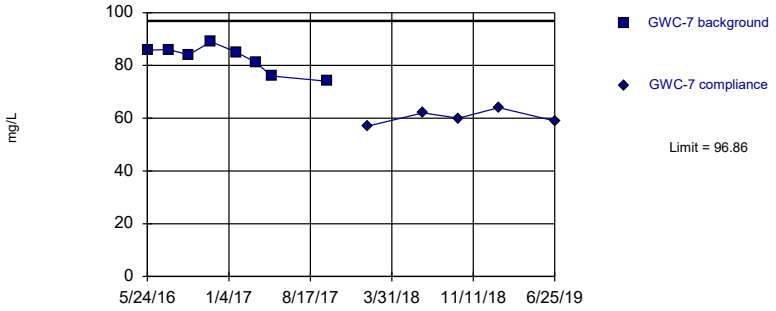
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=82.6, Std. Dev.=5.218, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9053, critical = 0.749. Kappa = 2.733 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

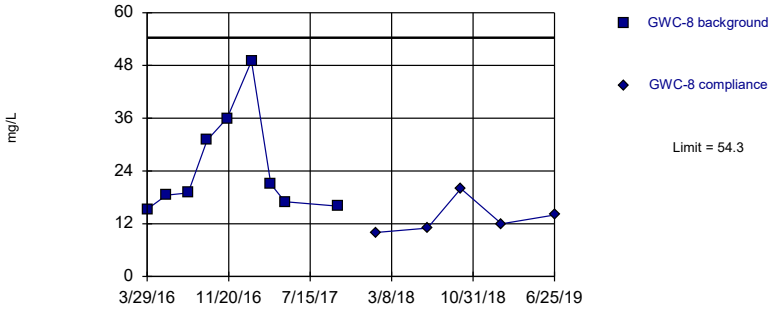
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=24.76, Std. Dev.=11.54, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8074, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

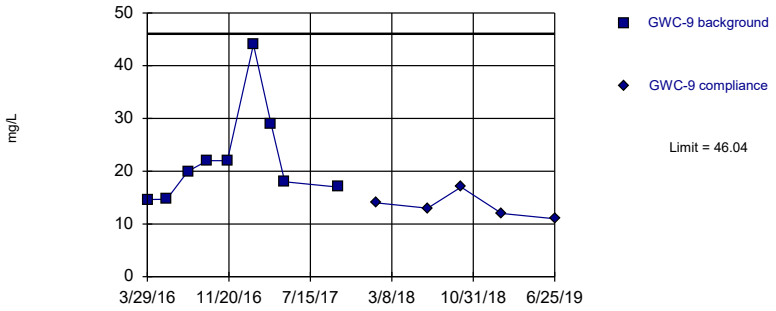
Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Sulfate

Intrawell Parametric



Background Data Summary: Mean=22.37, Std. Dev.=9.25, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7934, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

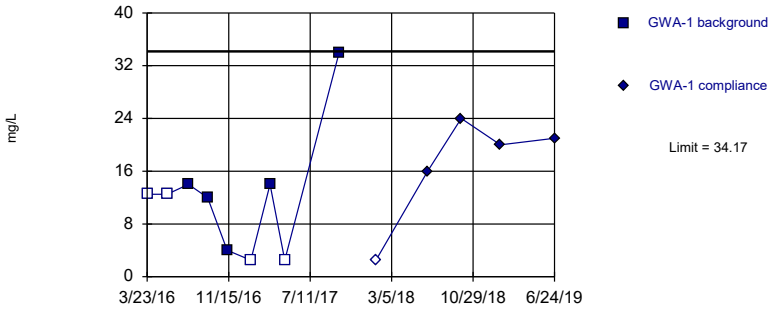
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=10.3, Std. Dev.=9.329, n=9, 44.44% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8013, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:20 PM View: State CCR Intrawell PL

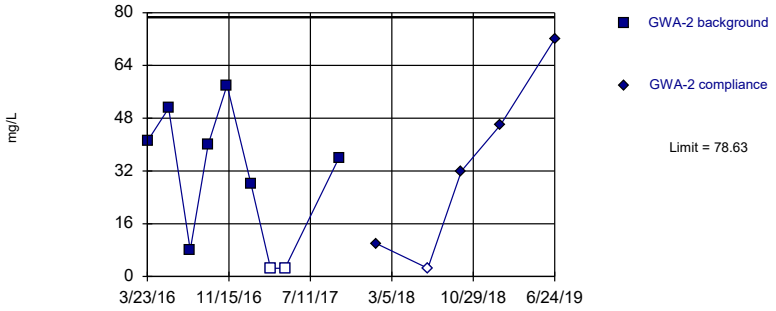
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=30.22, Std. Dev.=18.91, n=9, 22.22% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.903, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

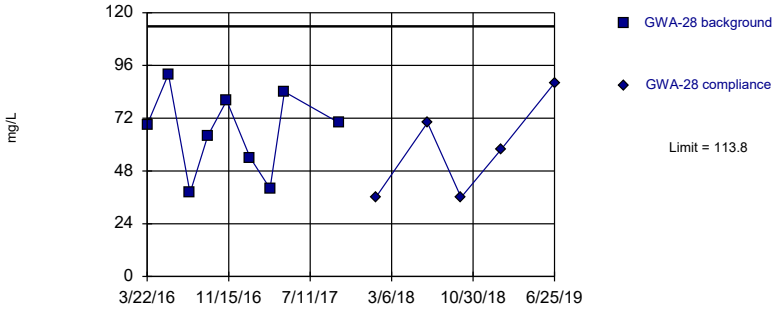
Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=65.67, Std. Dev.=18.8, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9479, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

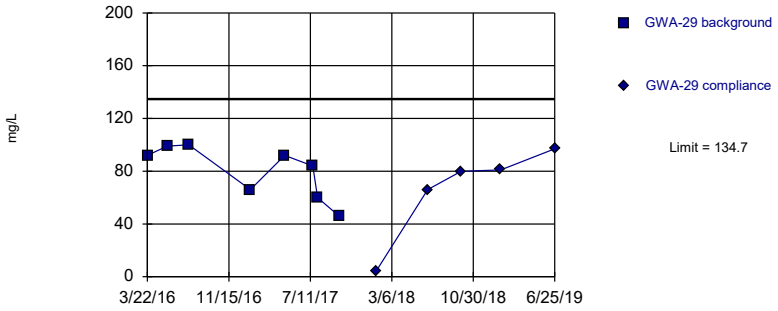
Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=79.88, Std. Dev.=20.06, n=8. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8875, critical = 0.749. Kappa = 2.733 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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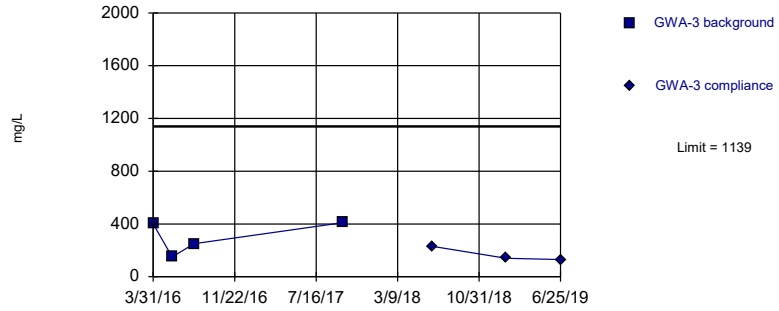
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=302.8, Std. Dev.=125.5, n=4. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8803, critical = 0.687. Kappa = 6.664 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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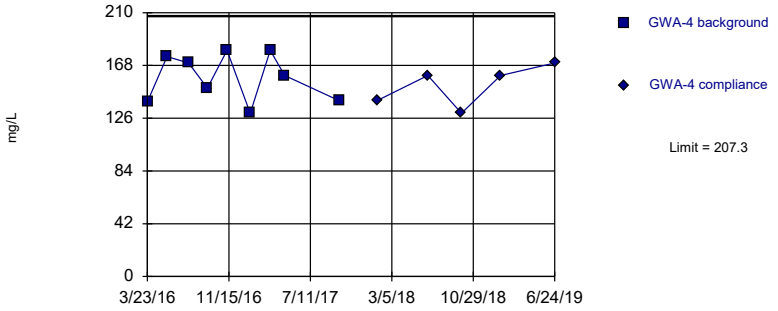
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=158.2, Std. Dev.=19.16, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9046, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

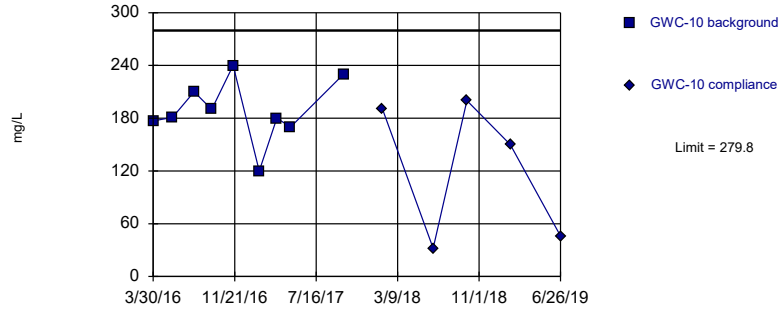
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.18 Sanitas software licensed to ACC. UG

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=188.7, Std. Dev.=35.59, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9397, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

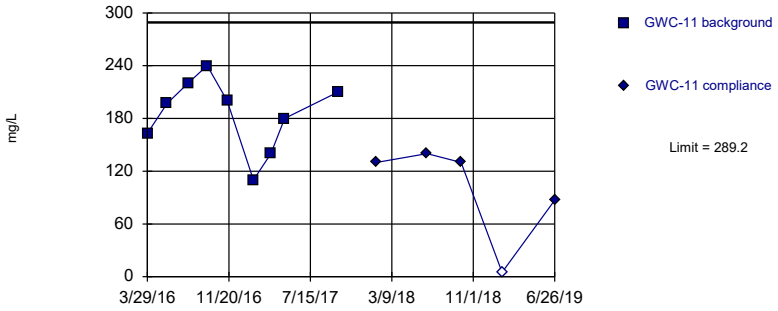
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=184.4, Std. Dev.=40.93, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9644, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

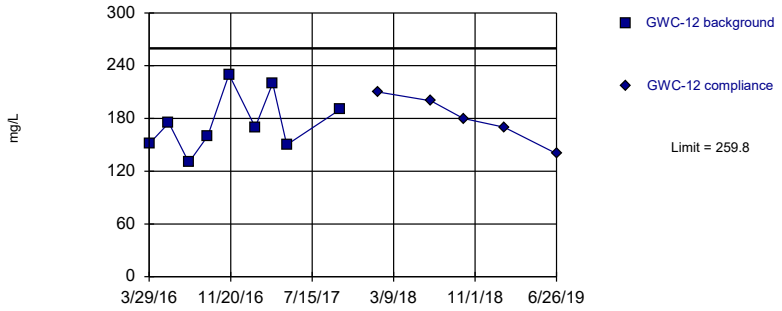
Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=175.1, Std. Dev.=33.07, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9404, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

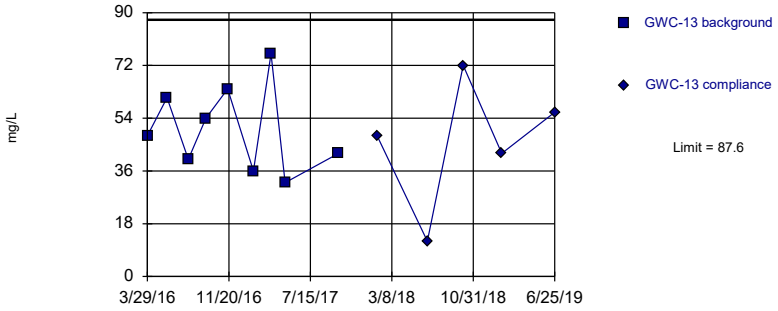
Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=50.33, Std. Dev.=14.56, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9565, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

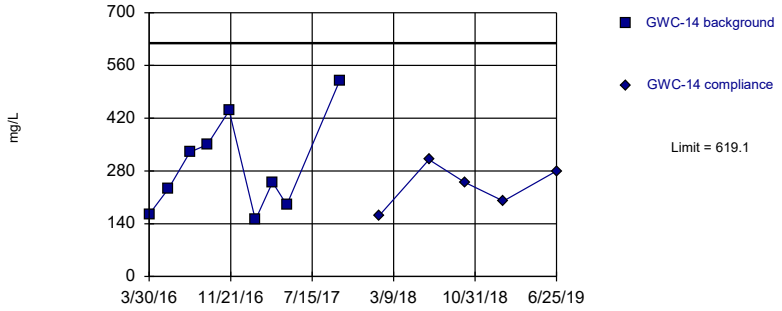
Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=292, Std. Dev.=127.8, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9263, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

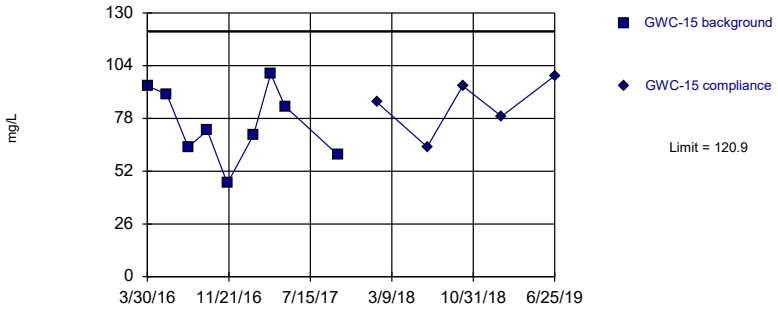
Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=75.56, Std. Dev.=17.71, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9678, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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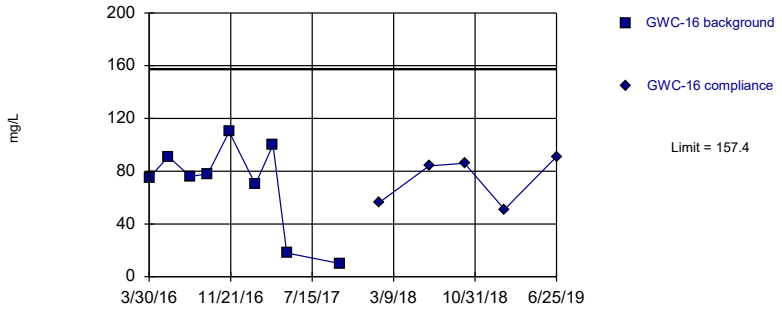
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=69.78, Std. Dev.=34.22, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8629, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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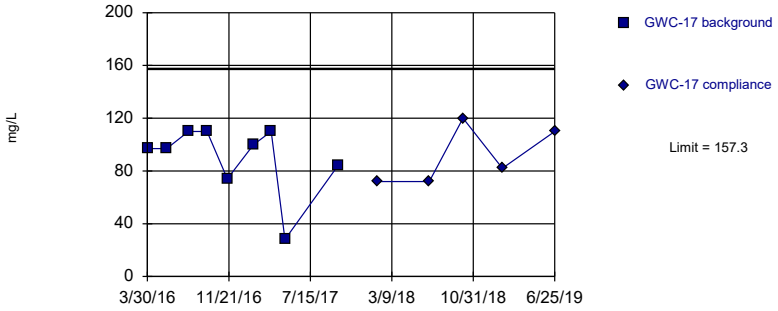
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=90, Std. Dev.=26.3, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7725, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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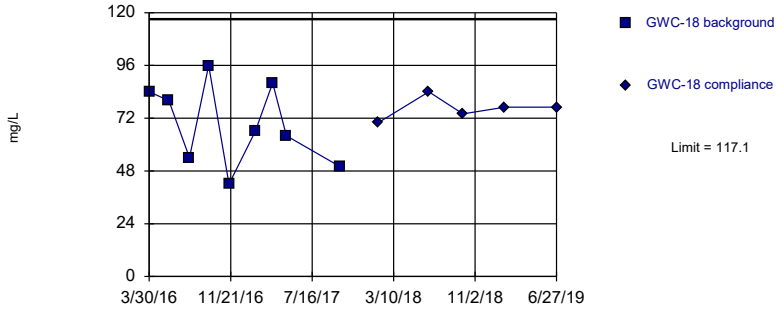
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=69.33, Std. Dev.=18.65, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

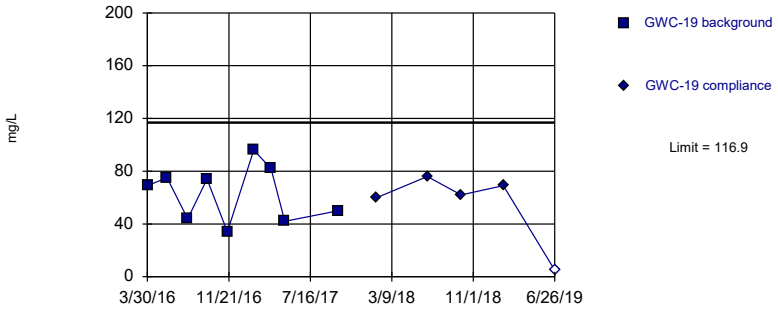
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=62.89, Std. Dev.=21.1, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9403, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

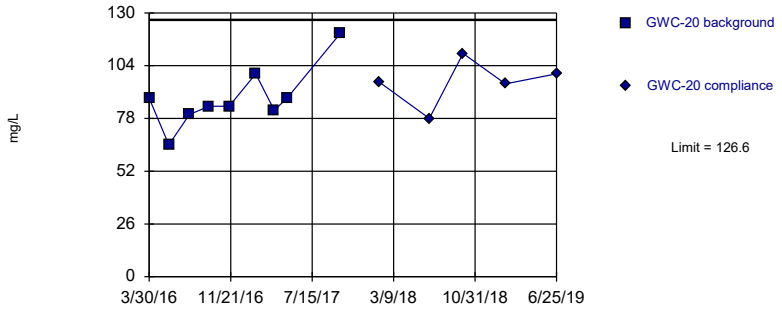
Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=87.89, Std. Dev.=15.12, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.894, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

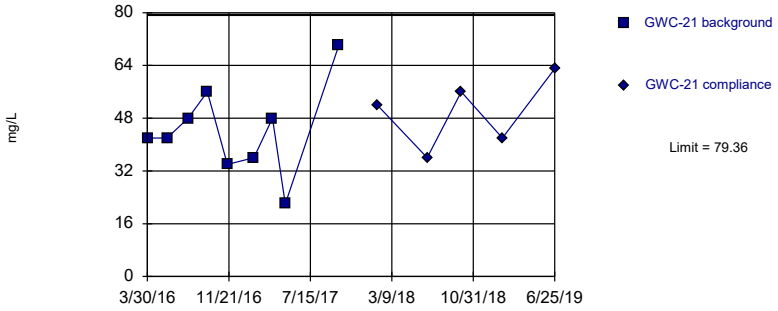
Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=44.22, Std. Dev.=13.73, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.975, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

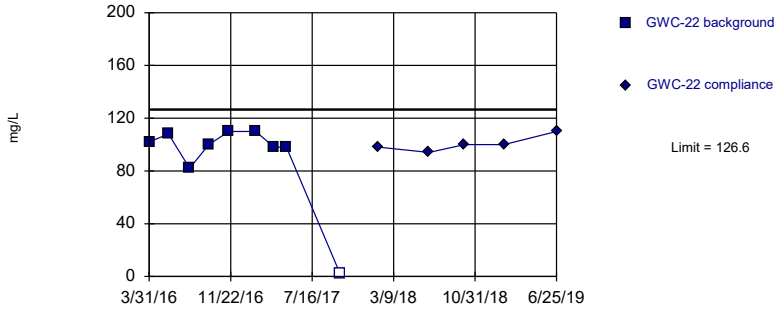
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=935188, Std. Dev.=427298, n=9, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8449, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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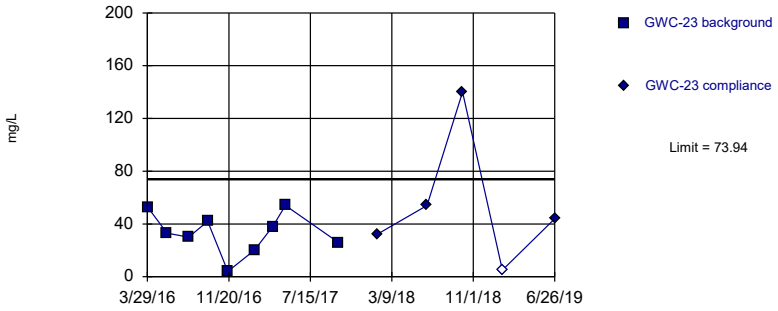
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=33.33, Std. Dev.=15.87, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9641, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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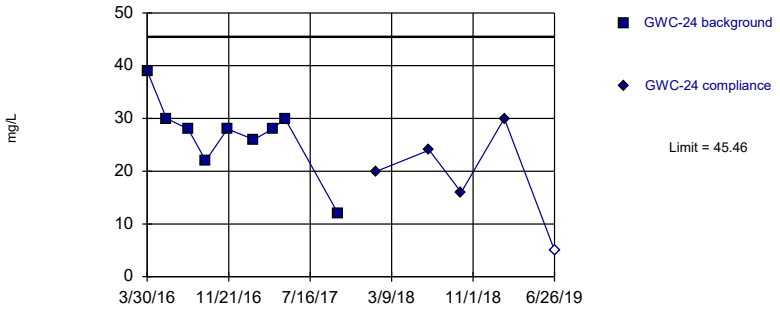
Hollow symbols indicate censored values.

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=27, Std. Dev.=7.211, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8939, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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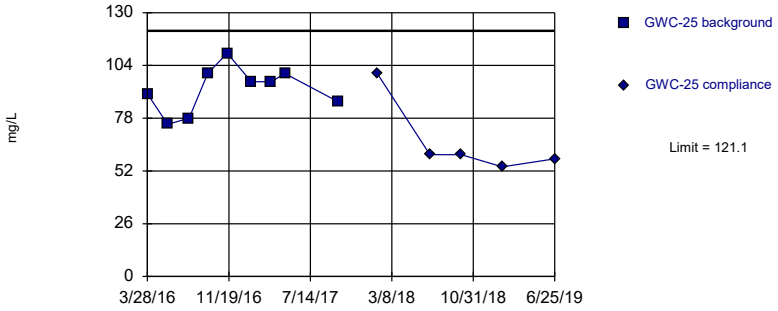
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=92.33, Std. Dev.=11.22, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9583, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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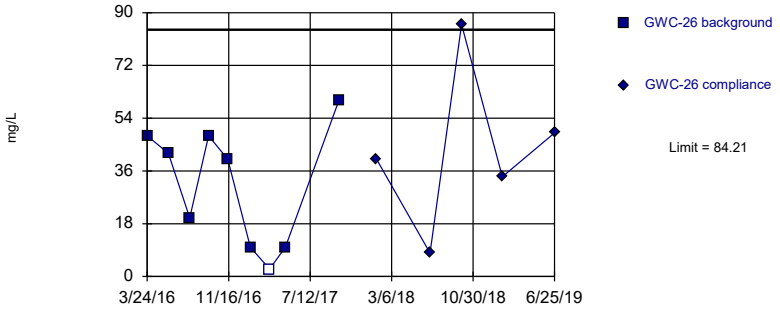
Hollow symbols indicate censored values.

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=31.17, Std. Dev.=20.72, n=9, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9054, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

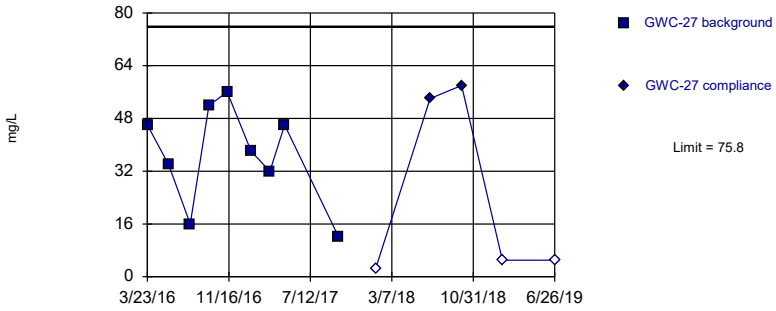
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=36.89, Std. Dev.=15.2, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.931, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

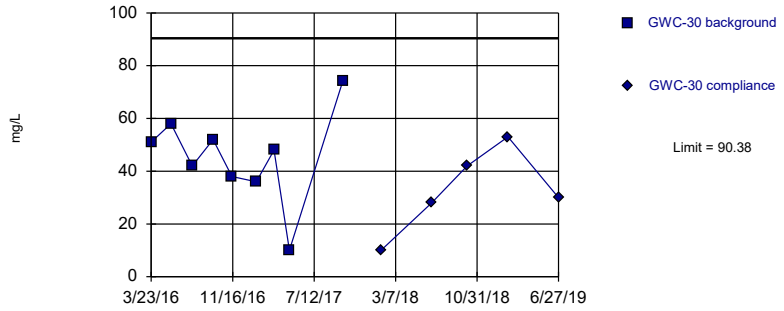
Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=45.44, Std. Dev.=17.56, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9514, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

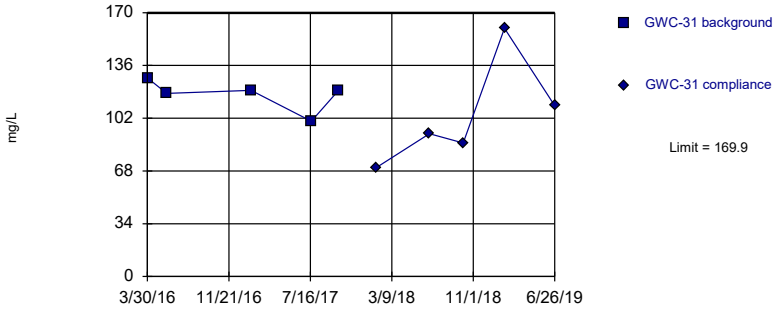
Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=117.2, Std. Dev.=10.35, n=5. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.85, critical = 0.686. Kappa = 5.09 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

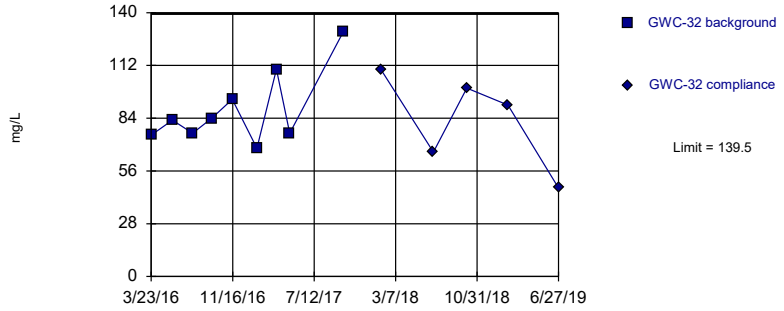
Prediction Limit Analysis Run 7/29/2019 3:21 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=88.44, Std. Dev.=19.94, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.856, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:22 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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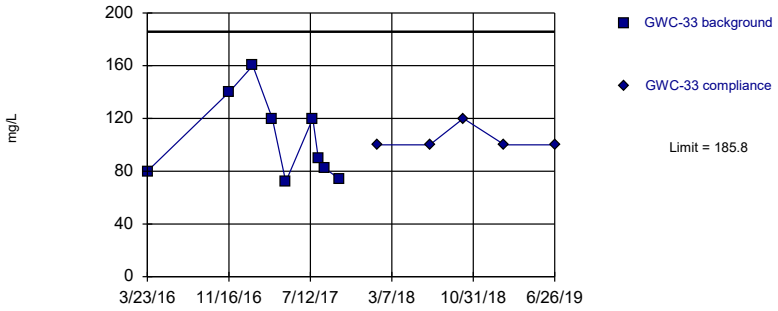
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=104.2, Std. Dev.=31.87, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8837, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:22 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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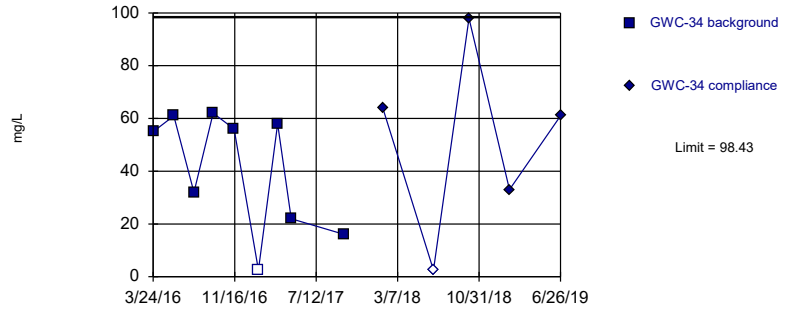
Hollow symbols indicate censored values.

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=40.5, Std. Dev.=22.63, n=9, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.85, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:22 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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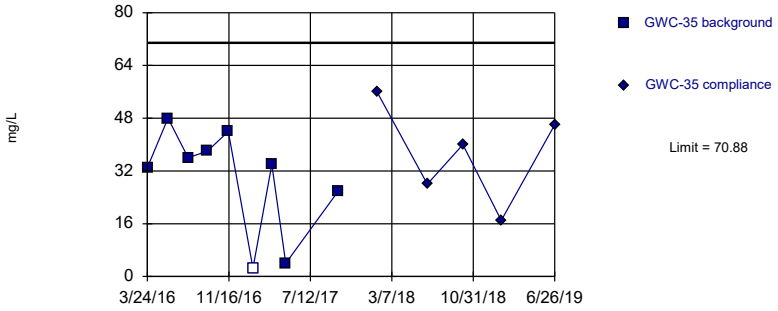
Hollow symbols indicate censored values.

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=29.5, Std. Dev.=16.17, n=9, 11.11% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8606, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:22 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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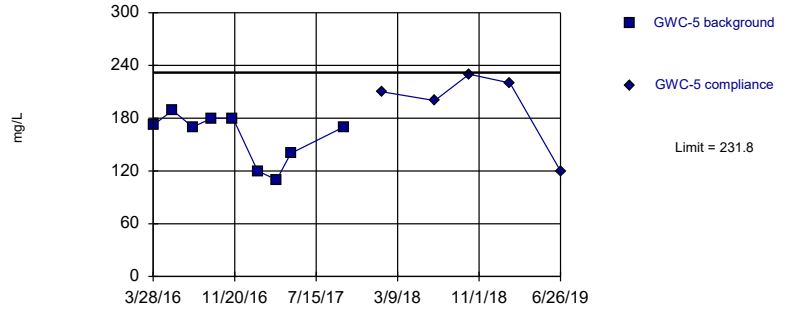
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=159, Std. Dev.=28.45, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8472, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

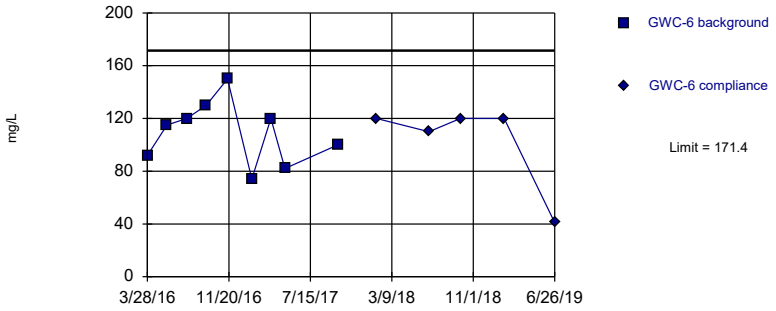
Prediction Limit Analysis Run 7/29/2019 3:22 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=109.2, Std. Dev.=24.3, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9716, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:22 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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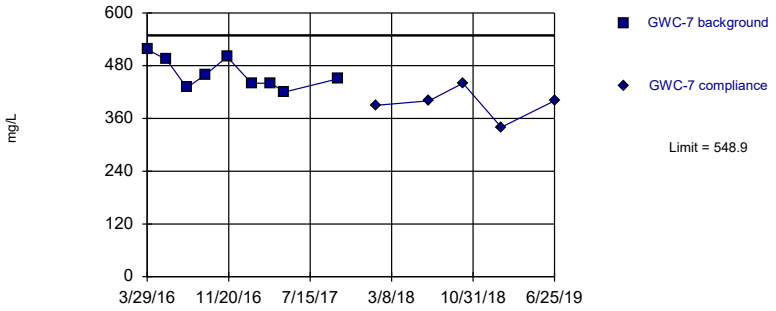
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=461.2, Std. Dev.=34.26, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9088, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:22 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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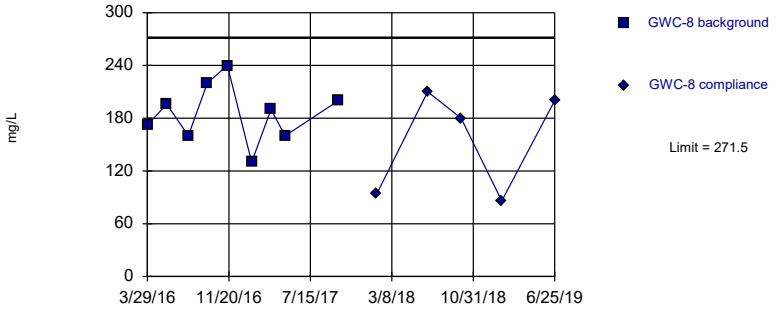
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=185.3, Std. Dev.=33.66, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9833, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:22 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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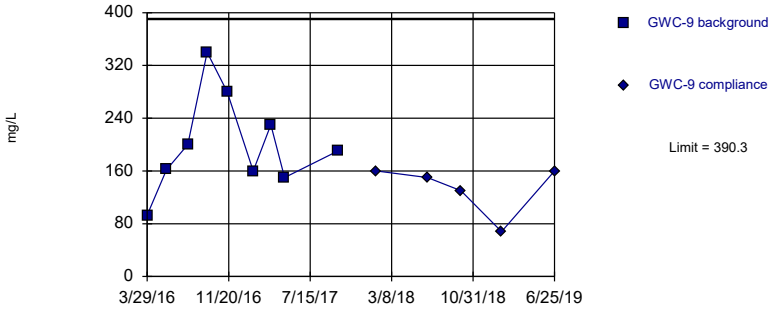
Within Limit

Total Dissolved Solids

Intrawell Parametric



Background Data Summary: Mean=200.6, Std. Dev.=74.15, n=9. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9557, critical = 0.764. Kappa = 2.559 (c=7, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0002595.

Prediction Limit Analysis Run 7/29/2019 3:22 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Prediction Limit

Constituent: pH Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29
1/19/2016							5.92	
1/20/2016			5.47					
1/21/2016	5.03							
1/22/2016					6.27			
3/22/2016					6.72		5.92	
3/23/2016	5.56		5.85					
5/19/2016							5.95	
5/20/2016	5.62							
5/23/2016					6.29			
5/24/2016			5.86					
7/21/2016	5.500376						6.049508	
7/25/2016					6.178217			
7/26/2016			5.808275					
9/15/2016	5.31						6.444541	
9/16/2016					6.545359			
11/9/2016					6			
11/10/2016			5.63					
11/11/2016	5.4							
1/17/2017					6.09			
1/19/2017	5.73		5.63					
3/15/2017							5.86	
3/16/2017	5.25				5.98			
3/17/2017			5.68					
4/27/2017					5.96		5.85	
4/28/2017	5.35		5.77					
8/1/2017					6.01 (D)		5.86 (D)	
8/2/2017			5.67 (D)					
8/3/2017	5.32 (D)							
1/19/2018		5.39 (D)		5.68 (D)		6.15 (D)		5.83 (D)
6/19/2018		5.27		5.84		5.96		5.77
9/25/2018		5.27		5.52		5.94		5.92
1/17/2019		5.43		5.81				
1/18/2019								5.86
1/21/2019						5.92		
6/24/2019		5.3		5.75				
6/25/2019						6.03		5.96

Prediction Limit

Constituent: pH Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12
1/25/2016			6.27					
1/26/2016					6.11		7.37	
3/29/2016					6.59		7.53	
5/19/2016	6.45							
5/25/2016			6.44		6.31		7.44	
7/21/2016	6.449699							
7/25/2016					6.287783			
7/27/2016			6.364588					
9/14/2016	6.396439							
9/15/2016							6.283325	
9/16/2016			6.202937					
9/19/2016					6.027665			
11/10/2016	6.19							
11/16/2016					6.04		6.99	
11/17/2016			5.95					
1/17/2017	6.18							
1/31/2017			6.47		5.94		7.065 (D)	
3/16/2017	6.1							
3/23/2017					6.06		7.41	
4/28/2017	6.51							
5/2/2017			6.69		5.95			
5/3/2017							7.32	
8/2/2017	6.23 (D)							
8/7/2017					6.11 (D)		7.25 (D)	
8/8/2017			6.67 (D)					
1/22/2018		6.3 (D)						
1/24/2018				6.47 (D)		6.17 (D)		7.02 (D)
6/19/2018		6.2						
6/20/2018						5.92		
6/21/2018				5.76				
6/26/2018								7.43
9/25/2018		6.21						
9/27/2018				5.5		5.97		
9/28/2018								7.3
1/17/2019		6.29						
1/24/2019						6.25		
1/25/2019								7.49
1/31/2019				5.75				
6/24/2019		6.12						
6/26/2019				5.78		5.97		7.28

Prediction Limit

Constituent: pH Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13	GWC-14	GWC-14	GWC-15	GWC-15	GWC-16	GWC-16
1/27/2016	6.52		5.88		6.67		6.03	
3/29/2016	7.49							
3/30/2016			6.01		6.7			
5/25/2016	6.76		5.52		6.52		6.22	
7/26/2016	6.859244		6.066915		6.719922			
7/27/2016							6.30178	
9/15/2016	7.565879		5.220961					
9/20/2016					6.519229			
11/17/2016	6.63		5.05		6.54		5.9	
2/1/2017			5.5		6.56		6.14	
3/23/2017	6.85		5.41					
3/24/2017							5.99	
5/3/2017	6.57		5.71		6.5		6.06	
8/4/2017	6.77 (D)				6.55 (D)			
8/7/2017			5.03 (D)				6.12 (D)	
1/25/2018		6.63 (D)		5.64 (D)		6.45 (D)		6.1 (D)
6/20/2018		6.66		5.05		7.24		6.08
10/1/2018				5.59		6.5		6.12
10/2/2018		6.91						
1/22/2019		6.61		5.72		6.48		
1/25/2019								6.05
6/25/2019		6.54		5.49		6.43		6.08

Prediction Limit

Constituent: pH Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17	GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20
1/27/2016	6.27				6.14		6.08	
3/30/2016	6.22		6.03		6.1		6.27	
5/25/2016	6.24							
5/26/2016			6.03		5.99		6.23	
7/25/2016			6.066342		6.063209		6.3145	
7/27/2016	6.321385							
9/19/2016			6.040669		6.276656			
9/20/2016							7.120962	
11/17/2016	6.11				5.97			
2/1/2017	6.18		5.98					
2/2/2017							6.17	
3/24/2017	6.34		5.85		5.82			
5/3/2017	6.09		5.92		5.89			
5/4/2017							6.38	
8/7/2017	6.16 (D)		5.98 (D)		5.93 (D)		6.19 (D)	
1/25/2018		6.2 (D)		6.03 (D)		5.89 (D)		
1/26/2018								6.16 (D)
6/21/2018				5.87		5.78		6.65
6/26/2018		6.1						
9/27/2018						5.82		6.29
9/28/2018				5.77				
10/2/2018		6.16						
1/24/2019		6.31						
1/28/2019				6.03		5.96		6.31
6/25/2019		6.12						6.15
6/26/2019						5.78		
6/27/2019				5.78				

Prediction Limit

Constituent: pH Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21	GWC-22	GWC-22	GWC-23	GWC-23	GWC-24	GWC-24
1/20/2016							5.41	
1/21/2016					6.24			
1/26/2016	5.39		6.46					
3/29/2016					4.87			
3/30/2016	5.88							
3/31/2016			6.53					
5/25/2016					6.11		6.46	
5/26/2016	5.55		6.69					
7/26/2016	5.64011		6.620398					
7/27/2016							6.119047	
9/16/2016							6.310241	
9/20/2016	6.575025		6.696588		7.295281			
11/17/2016	5.56		6.52					
11/18/2016					6.32		5.62	
2/3/2017					5.91			
2/6/2017							5.36	
3/28/2017	5.36		6.87		5.86		5.87	
5/3/2017			6.59				7.5	
5/4/2017	5.55				6.2			
8/7/2017	5.61 (D)							
8/8/2017			6.59 (D)		6.07 (D)			
1/25/2018				6.49 (D)		6.06 (D)		5.74 (D)
1/26/2018		5.65 (D)						
6/20/2018		5.48		6.42		5.84		
6/27/2018								5.51
9/27/2018		5.38						
9/28/2018								5.28
10/1/2018				6.7		5.96		
1/24/2019		6.01		6.69				
1/25/2019						5.97		
1/31/2019								5.28
6/25/2019		5.35		6.59				
6/26/2019						5.86		5.59

Prediction Limit

Constituent: pH Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27	GWC-30	GWC-30
1/19/2016							5.9	
1/20/2016	5.98							
1/22/2016					5.35			
3/23/2016					5.57		6.78	
3/24/2016			5.64					
3/28/2016	5.1							
5/20/2016							6.05	
5/24/2016			5.78		5.58			
5/25/2016	5.7							
7/21/2016							6.188237	
7/26/2016			6.038068		5.614371			
7/27/2016	5.966094							
9/19/2016	6.070052				5.506855			
9/20/2016			5.701864				6.075727	
11/11/2016					5.88			
11/14/2016			5.64				5.93	
11/15/2016	6.35							
1/19/2017			5.7					
1/20/2017	6.54				5.71			
1/23/2017	6.59							
1/24/2017							6.03 (D)	
3/16/2017			5.58		5.37			
3/17/2017							5.94	
3/23/2017	7.25							
3/24/2017	6.56							
4/28/2017					5.89			
5/1/2017			5.78				6	
8/3/2017	6.33 (D)		5.61 (D)		5.65 (D)			
8/4/2017							6.01 (D)	
1/19/2018						5.53 (D)		
1/22/2018				6 (D)				
1/24/2018		6.12 (D)						6.29 (D)
6/21/2018								5.95
6/27/2018		6.28		5.59		5.58		
9/26/2018		6.4						
9/27/2018				5.68		5.7		
10/3/2018								6.38
1/24/2019		6		5.78		5.39		
1/30/2019								6.08
6/25/2019		5.66		5.63				
6/26/2019						5.72		
6/27/2019								6.08

Prediction Limit

Constituent: pH Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33	GWC-34	GWC-34
1/21/2016							5.51	
1/25/2016	5.98		6.13		6.23			
3/23/2016			6.22		6.7			
3/24/2016							6.66	
5/23/2016			5.99				5.92	
5/24/2016					6.26			
5/25/2016	6.3							
7/21/2016							6.008569	
7/22/2016					6.956045			
7/27/2016	6.327805							
9/15/2016							5.982305	
9/16/2016			6.260319		6.411956			
11/15/2016			6.22				6.03	
11/16/2016					6.15			
1/24/2017	5.93							
1/25/2017			6.17		6.09		5.92	
2/6/2017	6.04							
3/22/2017					6.18		5.66	
3/28/2017	6.06							
5/1/2017	6.24		6.18		6.45		5.88	
8/3/2017	5.98 (D)		6.32 (D)		6.52 (D)		5.98 (D)	
1/22/2018		5.99 (D)		6.19 (D)		6.22 (D)		
1/23/2018								6.11 (D)
6/20/2018								5.97
6/26/2018				5.97		6.15		
6/27/2018		5.99						
10/2/2018				6.06		6.47		5.86
10/3/2018		6.2						
1/28/2019								6.08
1/30/2019				6.12		6.41		
1/31/2019		6.03						
6/26/2019		6.18				6.3		5.8
6/27/2019				6.11				

Prediction Limit

Constituent: pH Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35	GWC-5	GWC-5	GWC-6	GWC-6	GWC-7	GWC-7
1/20/2016			6.15		5.97		6.23	
1/21/2016	5.19							
3/24/2016	6.32							
3/28/2016			7.05		6.5			
3/29/2016							6.42	
5/23/2016			6.47					
5/24/2016					6		6.38	
5/25/2016	5.58							
7/21/2016	5.701591		6.424029		6.08222			
7/22/2016							6.438562	
9/15/2016	5.629095		7.042684		6.383623		6.347438	
11/15/2016	5.66		6.29					
11/16/2016					5.99		6.35	
1/26/2017	5.61		6.29		6.12		6.45	
3/22/2017	5.42							
5/2/2017	5.72		6.98		5.86		6.32	
8/3/2017	5.65 (D)		6.18 (D)		5.92 (D)			
8/4/2017							6.35 (D)	
1/23/2018		5.64 (D)		6.44 (D)		6.08 (D)		6.55 (D)
6/19/2018		5.59						
6/25/2018				6.42		5.86		6.26
9/25/2018						5.87		
10/1/2018		5.55						
10/2/2018								6.31
10/3/2018				6.33				
1/21/2019		5.53						6.33
1/30/2019				6.94		5.99		
6/25/2019								6.23
6/26/2019		5.55		6.42		5.82		

Prediction Limit

Constituent: pH, Sulfate Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8	GWC-9	GWC-9	GWA-1	GWA-1	GWA-2	GWA-2
1/26/2016	5.99							
3/23/2016					<1		1.001	
3/29/2016	6.45		5.86					
5/20/2016					<1			
5/24/2016	6.17		5.81				0.576 (J)	
7/21/2016					<1			
7/25/2016			5.876175					
7/26/2016	6.291124						0.91 (J)	
9/15/2016					<1			
9/16/2016							0.87 (J)	
9/19/2016	6.550086		6.323668					
11/10/2016							0.79 (J)	
11/11/2016					<1			
11/16/2016	5.96							
1/19/2017					<1		0.87 (J)	
1/26/2017	6.14							
1/31/2017			5.75					
3/16/2017					<1			
3/17/2017							1.8	
3/23/2017	5.95		5.97					
4/28/2017					<1		1.7	
5/2/2017	6.11		6.11					
8/7/2017	6.02 (D)		5.78 (D)					
10/3/2017							1.9	
10/4/2017					<1			
1/19/2018						<1		1.8
1/24/2018		5.91 (D)		5.98 (D)				
6/19/2018						<1		1
6/21/2018		5.9		5.68				
9/25/2018						<1		0.78 (J)
9/26/2018		5.9		5.71				
1/17/2019						0.5 (J)		2.5
1/22/2019		5.95		5.8				
6/24/2019						<1		0.91 (J)
6/25/2019		5.85		5.71				

Prediction Limit

Constituent: Sulfate Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28	GWA-29	GWA-29	GWA-3	GWA-3	GWA-4	GWA-4
3/22/2016	1.1423		8.4662					
3/23/2016							9.0208	
3/31/2016					202.982			
5/19/2016			10				10	
5/23/2016	1.44							
5/25/2016					95.7			
7/21/2016			13				10	
7/25/2016	1.1							
7/27/2016					110			
9/14/2016							9.7	
9/15/2016	0.99 (J)							
11/9/2016	1.1							
11/10/2016							8.1	
1/17/2017	0.85 (J)		7.6				15	
3/16/2017	1.2						9.1	
4/27/2017	<1		8				9.6	
7/18/2017			6					
8/1/2017			7.7					
10/3/2017	1.4		7		150		9.8	
1/19/2018		1.1		5.7				
1/22/2018								10
6/19/2018		0.94 (J)		7				10
6/20/2018						100		
9/25/2018		1.3		9.1				9.7
1/17/2019								9.4
1/18/2019				6.4		34		
1/21/2019		1.6						
6/24/2019								10
6/25/2019		2.2		26		<1		

Prediction Limit

Constituent: Sulfate Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12	GWC-13	GWC-13
3/29/2016			<1		19.1889		2.8316	
3/30/2016	24.0688							
5/25/2016	20.1		<1		19.8		2.62	
7/22/2016					20			
7/25/2016			<1					
7/26/2016							2.7	
7/27/2016	28							
9/15/2016					20		2.6	
9/16/2016	29							
9/19/2016			<1					
11/16/2016			<1		19			
11/17/2016	40						2.2	
1/31/2017			3.7		23		2.6	
2/1/2017	40							
3/23/2017			1.5		23		2.6	
3/24/2017	28							
5/2/2017			<1					
5/3/2017	38				22		2.6	
10/4/2017	45		<1		22			
10/5/2017							2.5	
1/24/2018				<1		22		
1/25/2018		33						2.5
6/20/2018				<1				2.5
6/21/2018		21						
6/26/2018						23		
9/27/2018		28		<1				
9/28/2018						24		
10/2/2018								2.7
1/22/2019								2.8
1/24/2019				0.77 (J)				
1/25/2019						25		
1/31/2019		20						
6/25/2019								3
6/26/2019		13		0.47 (J)		25		

Prediction Limit

Constituent: Sulfate Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14	GWC-15	GWC-15	GWC-16	GWC-16	GWC-17	GWC-17
3/30/2016	7.2023		1.7296		0.5433 (J)		0.8313 (J)	
5/25/2016	10.5		1.52		0.4393 (J)		0.195 (J)	
7/26/2016	38		1.2					
7/27/2016					<1		0.7 (J)	
9/15/2016	13							
9/16/2016					<1			
9/19/2016							<1	
9/20/2016			0.85 (J)					
11/17/2016	18		0.83 (J)		<1		0.75 (J)	
2/1/2017	8.2		1.9		<1		<1	
3/23/2017	10		1.6					
3/24/2017					<1		<1	
5/3/2017	10		1.3		<1		<1	
10/4/2017	22		1.4				<1	
10/5/2017					<1			
1/25/2018		9.9		1.4		<1		<1
6/20/2018		18		2.1		<1		
6/26/2018								<1
10/1/2018		11		1.4		<1		
10/2/2018								<1
1/22/2019		13		2				
1/24/2019								0.88 (J)
1/25/2019						0.66 (J)		
6/25/2019		13		2		0.84 (J)		1.1

Prediction Limit

Constituent: Sulfate Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21
3/30/2016	0.6239 (J)		2.3237		1.0356		0.3269 (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							<1	
9/19/2016	<1		<1					
9/20/2016					0.83 (J)		<1	
11/17/2016	<1		<1		0.71 (J)		<1	
2/1/2017	<1							
2/2/2017			8.6		0.82 (J)		<1	
3/24/2017	<1		2.5					
3/28/2017					0.75 (J)		<1	
5/3/2017	<1		0.88 (J)					
5/4/2017					1.1		<1	
10/5/2017	<1		0.81 (J)					
10/6/2017					0.79 (J)		<1	
1/25/2018		<1		0.77 (J)				
1/26/2018						<1		<1
6/20/2018								<1
6/21/2018		<1		<1		1.3		
9/27/2018				<1		1.2		<1
9/28/2018		<1						
1/24/2019								<1
1/28/2019		0.69 (J)		1.2		0.9 (J)		
6/25/2019						0.99 (J)		<1
6/26/2019				0.88 (J)				
6/27/2019		0.85 (J)						

Prediction Limit

Constituent: Sulfate Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25
3/28/2016							8.3151	
3/29/2016			0.5302 (J)					
3/30/2016					1.0189			
3/31/2016	0.3648 (J)							
5/25/2016			0.3659 (J)		0.6811 (J)			
5/26/2016	0.562 (J)						4.31	
7/26/2016	<1							
7/27/2016			<1		<1		6.1	
9/16/2016					<1			
9/19/2016							11	
9/20/2016	<1		<1					
11/15/2016							18	
11/17/2016	<1							
11/18/2016			<1		<1			
1/24/2017							26	
2/3/2017	<1		<1		<1			
3/23/2017							23	
3/28/2017	<1		<1					
3/29/2017					<1			
5/2/2017							27	
5/3/2017	<1							
5/4/2017			<1		<1			
10/5/2017	<1		<1		<1		16	
1/25/2018		<1		<1		<1		15
6/20/2018		<1		<1				
6/27/2018						<1		12
9/26/2018								12
9/28/2018						<1		
10/1/2018		<1		<1				
1/24/2019		0.81 (J)						1.4
1/25/2019				0.38 (J)				
1/31/2019						<1		
6/25/2019		0.76 (J)						1.6
6/26/2019				0.64 (J)		0.71 (J)		

Prediction Limit

Constituent: Sulfate Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26	GWC-27	GWC-27	GWC-30	GWC-30	GWC-31	GWC-31
3/23/2016			1.3897		1.3729			
3/24/2016	0.4337 (J)							
3/30/2016							15.0114	
5/20/2016					1.31			
5/24/2016			0.598 (J)					
5/25/2016	0.3421 (J)						19.1	
7/21/2016					1.3			
7/26/2016	<1		3					
9/19/2016	<1		1.6					
9/20/2016					1.3			
11/11/2016			3					
11/14/2016	<1				1.1			
1/19/2017	<1							
1/20/2017			2.2					
1/24/2017					1.3			
1/25/2017							13	
3/16/2017	<1		0.95 (J)					
3/17/2017					1.3			
4/28/2017			2.1					
5/1/2017	<1				1.2			
7/19/2017							15	
10/3/2017			<1					
10/4/2017	<1				1.2			
10/6/2017							19	
1/19/2018				1.4				
1/22/2018		<1						
1/23/2018								15
1/24/2018						1		
6/21/2018						1		
6/27/2018		<1		1.7				14
9/27/2018		<1		2.5				
10/3/2018						1.2		18
1/24/2019		0.57 (J)		0.39 (J)				
1/30/2019						1.2		
1/31/2019								10
6/25/2019		0.78 (J)						
6/26/2019				3.2				9.9
6/27/2019						1.7		

Prediction Limit

Constituent: Sulfate Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32	GWC-33	GWC-33	GWC-34	GWC-34	GWC-35	GWC-35
3/23/2016	12.8473		19.6956					
3/24/2016					1.8782		2.7482	
5/23/2016					1.44		2.76	
5/24/2016	13.5							
7/21/2016					1.6		2.8	
7/22/2016	12							
9/15/2016					1.6		2.4	
9/16/2016	12							
11/15/2016	13				1.3		2.3	
11/17/2016			22					
1/25/2017			50		1.5			
1/26/2017	9.2						2.7	
3/22/2017					1.5		2.4	
3/23/2017			28					
3/24/2017	9.2							
5/1/2017			25		1.4			
5/2/2017	9						2.5	
7/19/2017			22					
8/4/2017			25					
8/24/2017			19					
10/3/2017					1.4		2.5	
10/5/2017			18					
10/6/2017	8.8							
1/23/2018		9.4		14		1.2		2.4
6/19/2018								2.7
6/20/2018						1.7		
6/26/2018		12		9.2				
10/1/2018								2.8
10/2/2018		9.7		11		1.4		
1/21/2019								2.7
1/28/2019						1.6		
1/30/2019		11		14				
6/26/2019				10		1.9		2.8
6/27/2019		9.9						

Prediction Limit

Constituent: Sulfate Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5	GWC-6	GWC-6	GWC-7	GWC-7	GWC-8	GWC-8
3/28/2016	19.9405		11.0351					
3/29/2016							15.2958	
5/23/2016	21							
5/24/2016			12.8		85.8		18.5	
7/21/2016	17		16					
7/22/2016					86			
7/26/2016							19	
9/15/2016	16		15		84			
9/19/2016							31	
11/15/2016	15							
11/16/2016			15		89		36	
1/26/2017	13		16		85		49	
3/22/2017	13		13		81			
3/23/2017							21	
5/2/2017	25		10		76			
5/3/2017							17	
10/3/2017	21		11		74			
10/5/2017							16	
1/23/2018		26		10		57		
1/24/2018								10
6/21/2018								11
6/25/2018		30		11		62		
9/25/2018				14				
9/26/2018								20
10/2/2018						60		
10/3/2018		29						
1/21/2019						64		
1/22/2019								12
1/30/2019		31		9.7				
6/25/2019						59		14
6/26/2019		31		9.3				

Prediction Limit

Constituent: Sulfate, Total Dissolved Solids Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9	GWA-1	GWA-1	GWA-2	GWA-2	GWA-28	GWA-28
3/22/2016							69	
3/23/2016			<25		41			
3/29/2016	14.6203							
5/20/2016			<25					
5/23/2016							92	
5/24/2016	14.7				51			
7/21/2016			14					
7/25/2016	20						38	
7/26/2016					8			
9/15/2016			12				64	
9/16/2016					40			
9/19/2016	22							
11/9/2016							80	
11/10/2016					58			
11/11/2016			4 (J)					
11/16/2016	22							
1/17/2017							54	
1/19/2017			<5		28			
1/31/2017	44							
3/16/2017			14				40	
3/17/2017					<5			
3/23/2017	29							
4/27/2017							84	
4/28/2017			<5		<5			
5/2/2017	18							
10/3/2017	17				36		70	
10/4/2017			34					
1/19/2018				<5		10		36
1/24/2018		14						
6/19/2018				16		<5		70
6/21/2018		13						
9/25/2018				24		32		36
9/26/2018		17						
1/17/2019				20		46		
1/21/2019								58
1/22/2019		12						
6/24/2019				21		72		
6/25/2019		11						88

Prediction Limit

Constituent: Total Dissolved Solids Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29	GWA-3	GWA-3	GWA-4	GWA-4	GWC-10	GWC-10
3/22/2016	92							
3/23/2016					139			
3/30/2016							177	
3/31/2016			401					
5/19/2016	99				175			
5/25/2016			150				181	
7/21/2016	100				170			
7/27/2016			250				210	
9/14/2016					150			
9/16/2016							190	
11/10/2016					180			
11/17/2016							240	
1/17/2017	66				130			
2/1/2017							120	
3/16/2017					180			
3/24/2017							180	
4/27/2017	92				160			
5/3/2017							170	
7/18/2017	84 (J)							
8/1/2017	60 (J)							
10/3/2017	46		410		140			
10/4/2017							230	
1/19/2018		4 (J)						
1/22/2018						140		
1/25/2018								190
6/19/2018		66				160		
6/20/2018				230				
6/21/2018								32
9/25/2018		80				130		
9/27/2018								200
1/17/2019						160		
1/18/2019		81		140				
1/31/2019								150
6/24/2019						170		
6/25/2019		97		130				
6/26/2019								46

Prediction Limit

Constituent: Total Dissolved Solids Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11	GWC-12	GWC-12	GWC-13	GWC-13	GWC-14	GWC-14
3/29/2016	163		151		48			
3/30/2016							165	
5/25/2016	197		175		61		233	
7/22/2016			130					
7/25/2016	220							
7/26/2016					40		330	
9/15/2016			160		54		350	
9/19/2016	240							
11/16/2016	200		230					
11/17/2016					64		440	
1/31/2017	110		170		36			
2/1/2017							150	
3/23/2017	140		220		76		250	
5/2/2017	180							
5/3/2017			150		32		190	
10/4/2017	210		190				520	
10/5/2017					42			
1/24/2018		130		210				
1/25/2018						48		160
6/20/2018		140				12		310
6/26/2018				200				
9/27/2018		130						
9/28/2018				180				
10/1/2018								250
10/2/2018						72		
1/22/2019						42		200
1/24/2019		<10						
1/25/2019				170				
6/25/2019						56		280
6/26/2019		87		140				

Prediction Limit

Constituent: Total Dissolved Solids Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15	GWC-16	GWC-16	GWC-17	GWC-17	GWC-18	GWC-18
3/30/2016	94		75		97		84	
5/25/2016	90		91		97			
5/26/2016							80	
7/25/2016							54	
7/26/2016	64							
7/27/2016			76		110			
9/16/2016			78					
9/19/2016					110		96	
9/20/2016	72							
11/17/2016	46		110		74		42	
2/1/2017	70		70		100		66	
3/23/2017	100							
3/24/2017			100		110		88	
5/3/2017	84		18		28		64	
10/4/2017	60				84			
10/5/2017			10				50	
1/25/2018		86		56		72		70
6/20/2018		64		84				
6/21/2018								84
6/26/2018						72		
9/28/2018								74
10/1/2018		94		86				
10/2/2018						120		
1/22/2019		79						
1/24/2019						82		
1/25/2019				51				
1/28/2019								77
6/25/2019		99		91		110		
6/27/2019								77

Prediction Limit

Constituent: Total Dissolved Solids Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21	GWC-22	GWC-22
3/30/2016	69		88		42			
3/31/2016							102	
5/26/2016	75		65		42		108	
7/25/2016	44		80					
7/26/2016					48		82	
9/19/2016	74							
9/20/2016			84		56		100	
11/17/2016	34		84		34		110	
2/2/2017	96		100		36			
2/3/2017							110	
3/24/2017	82							
3/28/2017			82		48		98	
5/3/2017	42						98	
5/4/2017			88		22			
10/5/2017	50						<5	
10/6/2017			120		70			
1/25/2018		60						98
1/26/2018				96		52		
6/20/2018						36		94
6/21/2018		76		78				
9/27/2018		62		110		56		
10/1/2018								100
1/24/2019						42		100
1/28/2019		69		95				
6/25/2019				100		63		110
6/26/2019		<10						

Prediction Limit

Constituent: Total Dissolved Solids Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26
3/24/2016							48	
3/28/2016					90			
3/29/2016	53							
3/30/2016			39					
5/25/2016	33		30				42	
5/26/2016					75			
7/26/2016							20	
7/27/2016	30		28		78			
9/16/2016			22					
9/19/2016					100		48	
9/20/2016	42							
11/14/2016							40	
11/15/2016					110			
11/18/2016	4 (J)		28					
1/19/2017							10	
1/24/2017					96			
2/3/2017	20		26					
3/16/2017							<5	
3/23/2017					96			
3/28/2017	38							
3/29/2017			28					
5/1/2017							10	
5/2/2017					100			
5/4/2017	54		30					
10/4/2017							60	
10/5/2017	26		12		86			
1/22/2018								40
1/25/2018		32		20		100		
6/20/2018		54						
6/27/2018				24		60		8
9/26/2018						60		
9/27/2018								86
9/28/2018				16				
10/1/2018		140						
1/24/2019						54		34
1/25/2019		<10						
1/31/2019				30				
6/25/2019						58		49
6/26/2019		44		<10				

Prediction Limit

Constituent: Total Dissolved Solids Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32
3/23/2016	46		51				75	
3/30/2016					128			
5/20/2016			58					
5/24/2016	34						83	
5/25/2016					118			
7/21/2016			42					
7/22/2016							76	
7/26/2016	16							
9/16/2016							84	
9/19/2016	52							
9/20/2016			52					
11/11/2016	56							
11/14/2016			38					
11/15/2016							94	
1/20/2017	38							
1/24/2017			36					
1/25/2017					120			
1/26/2017							68	
3/16/2017	32							
3/17/2017			48					
3/24/2017							110	
4/28/2017	46							
5/1/2017			10					
5/2/2017							76	
7/19/2017					100			
10/3/2017	12							
10/4/2017			74					
10/6/2017					120		130	
1/19/2018		<5						
1/23/2018						70		110
1/24/2018				10				
6/21/2018				28				
6/26/2018								66
6/27/2018		54				92		
9/27/2018		58						
10/2/2018								100
10/3/2018				42		86		
1/24/2019		<10						
1/30/2019				53				91
1/31/2019						160		
6/26/2019		<10				110		
6/27/2019				30				47

Prediction Limit

Constituent: Total Dissolved Solids Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33	GWC-34	GWC-34	GWC-35	GWC-35	GWC-5	GWC-5
3/23/2016	80							
3/24/2016			55		33			
3/28/2016							172	
5/23/2016			61		48		189	
7/21/2016			32		36		170	
9/15/2016			62		38		180	
11/15/2016			56		44		180	
11/17/2016	140							
1/25/2017	160		<5					
1/26/2017					<5		120	
3/22/2017			58		34		110	
3/23/2017	120							
5/1/2017	72		22					
5/2/2017					4 (J)		140	
7/19/2017	120							
8/4/2017	90							
8/24/2017	82							
10/3/2017			16		26		170	
10/5/2017	74							
1/23/2018		100		64		56		210
6/19/2018						28		
6/20/2018				<5				
6/25/2018								200
6/26/2018		100						
10/1/2018						40		
10/2/2018		120		98				
10/3/2018								230
1/21/2019						17		
1/28/2019				33				
1/30/2019		100						220
6/26/2019		100		61		46		120

Prediction Limit

Constituent: Total Dissolved Solids Analysis Run 7/29/2019 3:31 PM View: State CCR Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9
3/28/2016	92							
3/29/2016			517		172		93	
5/24/2016	115		494		196		162	
7/21/2016	120							
7/22/2016			430					
7/25/2016							200	
7/26/2016					160			
9/15/2016	130		460					
9/19/2016					220		340	
11/16/2016	150		500		240		280	
1/26/2017	74		440		130			
1/31/2017							160	
3/22/2017	120		440					
3/23/2017					190		230	
5/2/2017	82		420				150	
5/3/2017					160			
10/3/2017	100		450				190	
10/5/2017					200			
1/23/2018		120		390				
1/24/2018						94		160
6/21/2018						210		150
6/25/2018		110		400				
9/25/2018		120						
9/26/2018						180		130
10/2/2018				440				
1/21/2019				340				
1/22/2019						86		68
1/30/2019		120						
6/25/2019				400		200		160
6/26/2019		41						

Intrawell Prediction Limit Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:18 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Barium (mg/L)	**GWC-21**	**0.0348**	**6/25/2019**	**0.046**	**Yes**	**23**	**0**	**No**	**0.0001135**	**Param Intra 1 of 3**
Beryllium (mg/L)	**GWC-32**	**0.001638**	**6/27/2019**	**0.0017**	**Yes**	**23**	**30.43**	**No**	**0.0001135**	**Param Intra 1 of 3**
Chromium (mg/L)	**GWA-1**	**0.0025**	**6/24/2019**	**0.0042**	**Yes**	**23**	**95.65**	**n/a**	**0.0004078**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	**GWA-3**	**0.0025**	**6/25/2019**	**0.0027**	**Yes**	**9**	**88.89**	**n/a**	**0.004675**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	**GWC-16**	**0.002696**	**6/25/2019**	**0.0045**	**Yes**	**21**	**0**	**No**	**0.0001135**	**Param Intra 1 of 3**
Chromium (mg/L)	**GWC-17**	**0.0025**	**6/25/2019**	**0.0042**	**Yes**	**23**	**95.65**	**n/a**	**0.0004078**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	**GWC-22**	**0.0027**	**6/25/2019**	**0.003**	**Yes**	**23**	**60.87**	**n/a**	**0.0004078**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	**GWC-24**	**0.0025**	**6/26/2019**	**0.0027**	**Yes**	**14**	**92.86**	**n/a**	**0.0016**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	**GWC-26**	**0.0025**	**6/25/2019**	**0.003**	**Yes**	**23**	**95.65**	**n/a**	**0.0004078**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	**GWC-5**	**0.0025**	**6/26/2019**	**0.0029**	**Yes**	**22**	**86.36**	**n/a**	**0.0004594**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	**GWC-6**	**0.0025**	**6/26/2019**	**0.0027**	**Yes**	**22**	**100**	**n/a**	**0.0004594**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	**GWC-9**	**0.0029**	**6/25/2019**	**0.0048**	**Yes**	**23**	**47.83**	**n/a**	**0.0004078**	**NP Intra (normality) 1 of 3**
Copper (mg/L)	**GWA-3**	**0.002**	**6/25/2019**	**0.004**	**Yes**	**5**	**80**	**n/a**	**0.01896**	**NP Intra (NDs) 1 of 3**
Nickel (mg/L)	**GWC-26**	**0.0025**	**6/25/2019**	**0.0031**	**Yes**	**16**	**100**	**n/a**	**0.001026**	**NP Intra (NDs) 1 of 3**
Nickel (mg/L)	**GWC-8**	**0.003953**	**6/25/2019**	**0.0053**	**Yes**	**15**	**40**	**No**	**0.0001135**	**Param Intra 1 of 3**
Vanadium (mg/L)	**GWA-1**	**0.0025**	**6/24/2019**	**0.0028**	**Yes**	**16**	**100**	**n/a**	**0.001026**	**NP Intra (NDs) 1 of 3**
Vanadium (mg/L)	**GWA-3**	**0.0025**	**6/25/2019**	**0.0028**	**Yes**	**5**	**100**	**n/a**	**0.01896**	**NP Intra (NDs) 1 of 3**
Vanadium (mg/L)	**GWC-17**	**0.004392**	**6/25/2019**	**0.005**	**Yes**	**16**	**50**	**sqrt(x)**	**0.0001135**	**Param Intra 1 of 3**
Vanadium (mg/L)	**GWC-18**	**0.0025**	**6/27/2019**	**0.0031**	**Yes**	**15**	**80**	**n/a**	**0.001313**	**NP Intra (NDs) 1 of 3**
Vanadium (mg/L)	**GWC-19**	**0.0021**	**6/26/2019**	**0.0023**	**Yes**	**16**	**75**	**n/a**	**0.001026**	**NP Intra (NDs) 1 of 3**
Vanadium (mg/L)	**GWC-22**	**0.008541**	**6/25/2019**	**0.0092**	**Yes**	**16**	**18.75**	**No**	**0.0001135**	**Param Intra 1 of 3**
Zinc (mg/L)	**GWC-14**	**0.01302**	**6/25/2019**	**0.014**	**Yes**	**16**	**18.75**	**sqrt(x)**	**0.0001135**	**Param Intra 1 of 3**

Intrawell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:18 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Antimony (mg/L)	GWA-2	0.0021	6/24/2019	0.002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-28	0.0021	6/25/2019	0.002ND	No	23	86.96	n/a	0.0004078	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-29	0.002	6/25/2019	0.002ND	No	21	85.71	n/a	0.000511	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWA-3	0.002	6/25/2019	0.002ND	No	9	77.78	n/a	0.004675	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-10	0.002	6/26/2019	0.002ND	No	12	91.67	n/a	0.002173	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-11	0.0023	6/26/2019	0.002ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-18	0.0022	6/27/2019	0.002ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-22	0.002	6/25/2019	0.002ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-23	0.002	6/26/2019	0.002ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-24	0.002	6/26/2019	0.002ND	No	14	64.29	n/a	0.0016	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-25	0.002	6/25/2019	0.002ND	No	22	95.45	n/a	0.0004594	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-26	0.002	6/25/2019	0.002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-27	0.002	6/26/2019	0.002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-30	0.002	6/27/2019	0.002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-31	0.0027	6/26/2019	0.002ND	No	18	88.89	n/a	0.0007943	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-32	0.002	6/27/2019	0.002ND	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-33	0.002	6/26/2019	0.002ND	No	22	100	n/a	0.0004594	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-5	0.0024	6/26/2019	0.002ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Antimony (mg/L)	GWC-6	0.002	6/26/2019	0.002ND	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-1	0.0013	6/24/2019	0.00054	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-2	0.0013	6/24/2019	0.00043	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-28	0.001	6/25/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-29	0.001	6/25/2019	0.001ND	No	21	90.48	n/a	0.000511	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-3	0.001	6/25/2019	0.001ND	No	9	88.89	n/a	0.004675	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWA-4	0.0013	6/24/2019	0.00032	No	23	86.96	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-11	0.005	6/26/2019	0.0015	No	23	52.17	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-12	0.0024	6/26/2019	0.001ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-13	0.0012	6/25/2019	0.001ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-14	0.0013	6/25/2019	0.00048	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-16	0.001	6/25/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-18	0.001	6/27/2019	0.001ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-19	0.0013	6/26/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-20	0.001	6/25/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-22	0.001	6/25/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-23	0.001	6/26/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-24	0.001	6/26/2019	0.001ND	No	14	92.86	n/a	0.0016	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-25	0.001	6/25/2019	0.001ND	No	22	90.91	n/a	0.0004594	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-26	0.001	6/25/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-31	0.0012	6/26/2019	0.001ND	No	18	83.33	n/a	0.0007943	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-32	0.001	6/27/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-33	0.0013	6/26/2019	0.001ND	No	22	95.45	n/a	0.0004594	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-34	0.0012	6/26/2019	0.001ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-35	0.001	6/26/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-5	0.0014	6/26/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-6	0.001	6/26/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-7	0.0013	6/25/2019	0.00035	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-8	0.0013	6/25/2019	0.00045	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Arsenic (mg/L)	GWC-9	0.0013	6/25/2019	0.00086	No	23	78.26	n/a	0.0004078	NP Intra (NDs) 1 of 3
Barium (mg/L)	GWA-1	0.01292	6/24/2019	0.0096	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWA-2	0.02156	6/24/2019	0.011	No	23	0	No	0.0001135	Param Intra 1 of 3

Intrawell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:18 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Barium (mg/L)	GWA-28	0.005	6/25/2019	0.005ND	No	23	39.13	n/a	0.0004078	NP Intra (normality) 1 of 3
Barium (mg/L)	GWA-29	0.004768	6/25/2019	0.005ND	No	21	9.524	ln(x)	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWA-3	0.1	6/25/2019	0.082	No	9	0	n/a	0.004675	NP Intra (normality) 1 of 3
Barium (mg/L)	GWA-4	0.1824	6/24/2019	0.12	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-10	0.0357	6/26/2019	0.02	No	12	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-11	0.4492	6/26/2019	0.26	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-12	0.02403	6/26/2019	0.02	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-13	0.004459	6/25/2019	0.0069	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-14	0.2948	6/25/2019	0.16	No	23	4.348	sqrt(x)	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-15	0.01334	6/25/2019	0.0096	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-16	0.019	6/25/2019	0.018	No	23	0	n/a	0.0004078	NP Intra (normality) 1 of 3
Barium (mg/L)	GWC-17	0.01934	6/25/2019	0.017	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-18	0.0383	6/27/2019	0.035	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-19	0.1105	6/26/2019	0.077	No	22	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-20	0.03851	6/25/2019	0.034	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	**GWC-21**	**0.0348**	**6/25/2019**	**0.046**	**Yes**	**23**	**0**	**No**	**0.0001135**	**Param Intra 1 of 3**
Barium (mg/L)	GWC-22	0.02915	6/25/2019	0.026	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-23	0.01113	6/26/2019	0.0041	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-24	0.03462	6/26/2019	0.0093	No	14	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-25	0.05225	6/25/2019	0.032	No	22	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-26	0.04031	6/25/2019	0.038	No	23	0	x^2	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-27	0.01993	6/26/2019	0.017	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-30	0.009529	6/27/2019	0.0071	No	23	0	sqrt(x)	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-31	0.008406	6/26/2019	0.005ND	No	18	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-32	0.005408	6/27/2019	0.005ND	No	23	13.04	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-33	0.01448	6/26/2019	0.0057	No	22	4.545	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-34	0.01295	6/26/2019	0.011	No	22	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-35	0.02169	6/26/2019	0.021	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-5	0.0325	6/26/2019	0.02	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-6	0.06792	6/26/2019	0.045	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-7	0.1475	6/25/2019	0.075	No	23	0	No	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-8	0.1142	6/25/2019	0.06	No	23	0	sqrt(x)	0.0001135	Param Intra 1 of 3
Barium (mg/L)	GWC-9	0.2145	6/25/2019	0.18	No	23	0	No	0.0001135	Param Intra 1 of 3
Beryllium (mg/L)	GWA-1	0.0025	6/24/2019	0.00029	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-2	0.0025	6/24/2019	0.00023	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWA-28	0.0025	6/25/2019	0.00039	No	23	43.48	n/a	0.0004078	NP Intra (normality) 1 of 3
Beryllium (mg/L)	GWA-29	0.002857	6/25/2019	0.0023	No	21	9.524	No	0.0001135	Param Intra 1 of 3
Beryllium (mg/L)	GWC-11	0.001	6/26/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-14	0.0025	6/25/2019	0.00041	No	23	65.22	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-16	0.001	6/25/2019	0.001ND	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-19	0.001	6/26/2019	0.001ND	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-21	0.001	6/25/2019	0.001ND	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-23	0.001	6/26/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-24	0.0025	6/26/2019	0.00017	No	14	78.57	n/a	0.0016	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-25	0.001	6/25/2019	0.001ND	No	22	100	n/a	0.0004594	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-26	0.001	6/25/2019	0.001ND	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-27	0.007589	6/26/2019	0.0056	No	23	13.04	No	0.0001135	Param Intra 1 of 3
Beryllium (mg/L)	GWC-30	0.001	6/27/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-31	0.003	6/26/2019	0.00084	No	18	33.33	n/a	0.0007943	NP Intra (normality) 1 of 3
Beryllium (mg/L)	**GWC-32**	**0.001638**	**6/27/2019**	**0.0017**	**Yes**	**23**	**30.43**	**No**	**0.0001135**	**Param Intra 1 of 3**

Intrawell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:18 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Beryllium (mg/L)	GWC-33	0.0025	6/26/2019	0.00027	No	22	40.91	n/a	0.0004594	NP Intra (normality) 1 of 3
Beryllium (mg/L)	GWC-34	0.0025	6/26/2019	0.00032	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-35	0.0025	6/26/2019	0.00022	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-6	0.001	6/26/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-8	0.001	6/25/2019	0.001ND	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Beryllium (mg/L)	GWC-9	0.001	6/25/2019	0.001ND	No	23	82.61	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-1	0.001	6/24/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-29	0.001	6/25/2019	0.001ND	No	21	95.24	n/a	0.000511	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWA-3	0.0025	6/25/2019	0.00014	No	9	66.67	n/a	0.004675	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-11	0.0022	6/26/2019	0.001ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-14	0.0025	6/25/2019	0.00021	No	23	73.91	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cadmium (mg/L)	GWC-24	0.0021	6/26/2019	0.001ND	No	14	85.71	n/a	0.0016	NP Intra (NDs) 1 of 3
Chromium (mg/L)	**GWA-1**	**0.0025**	**6/24/2019**	**0.0042**	**Yes**	**23**	**95.65**	**n/a**	**0.0004078**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	GWA-2	0.0025	6/24/2019	0.0022	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-28	0.0082	6/25/2019	0.0024	No	23	86.96	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWA-29	0.00684	6/25/2019	0.003	No	21	85.71	n/a	0.000511	NP Intra (NDs) 1 of 3
Chromium (mg/L)	**GWA-3**	**0.0025**	**6/25/2019**	**0.0027**	**Yes**	**9**	**88.89**	**n/a**	**0.004675**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	GWA-4	0.0025	6/24/2019	0.0022	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-10	0.0029	6/26/2019	0.0021	No	12	91.67	n/a	0.002173	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-11	0.01	6/26/2019	0.0041	No	23	17.39	n/a	0.0004078	NP Intra (normality) 1 of 3
Chromium (mg/L)	GWC-12	0.0025	6/26/2019	0.0021	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-13	0.0025	6/25/2019	0.0022	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-14	0.0025	6/25/2019	0.0023	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-15	0.0025	6/25/2019	0.0022	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	**GWC-16**	**0.002696**	**6/25/2019**	**0.0045**	**Yes**	**21**	**0**	**No**	**0.0001135**	**Param Intra 1 of 3**
Chromium (mg/L)	**GWC-17**	**0.0025**	**6/25/2019**	**0.0042**	**Yes**	**23**	**95.65**	**n/a**	**0.0004078**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	GWC-18	0.0025	6/27/2019	0.0022	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-19	0.0025	6/26/2019	0.0023	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-20	0.0025	6/25/2019	0.0023	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-21	0.0025	6/25/2019	0.0021	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	**GWC-22**	**0.0027**	**6/25/2019**	**0.003**	**Yes**	**23**	**60.87**	**n/a**	**0.0004078**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	GWC-23	0.0025	6/26/2019	0.0023	No	23	78.26	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	**GWC-24**	**0.0025**	**6/26/2019**	**0.0027**	**Yes**	**14**	**92.86**	**n/a**	**0.0016**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	GWC-25	0.015	6/25/2019	0.003	No	21	71.43	n/a	0.000511	NP Intra (NDs) 1 of 3
Chromium (mg/L)	**GWC-26**	**0.0025**	**6/25/2019**	**0.003**	**Yes**	**23**	**95.65**	**n/a**	**0.0004078**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	GWC-27	0.0025	6/26/2019	0.0022	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-30	0.0025	6/27/2019	0.0025	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-31	0.008613	6/26/2019	0.0037	No	18	16.67	ln(x)	0.0001135	Param Intra 1 of 3
Chromium (mg/L)	GWC-32	0.0053	6/27/2019	0.0022	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-33	0.0034	6/26/2019	0.0022	No	22	77.27	n/a	0.0004594	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-34	0.0025	6/26/2019	0.0022	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-35	0.0025	6/26/2019	0.0022	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	**GWC-5**	**0.0025**	**6/26/2019**	**0.0029**	**Yes**	**22**	**86.36**	**n/a**	**0.0004594**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	**GWC-6**	**0.0025**	**6/26/2019**	**0.0027**	**Yes**	**22**	**100**	**n/a**	**0.0004594**	**NP Intra (NDs) 1 of 3**
Chromium (mg/L)	GWC-7	0.0025	6/25/2019	0.0021	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	GWC-8	0.0025	6/25/2019	0.0024	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Chromium (mg/L)	**GWC-9**	**0.0029**	**6/25/2019**	**0.0048**	**Yes**	**23**	**47.83**	**n/a**	**0.0004078**	**NP Intra (normality) 1 of 3**
Cobalt (mg/L)	GWA-1	0.0025	6/24/2019	0.00019	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-2	0.0025	6/24/2019	0.00019	No	23	78.26	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-29	0.0025	6/25/2019	0.00012	No	21	100	n/a	0.000511	NP Intra (NDs) 1 of 3

Intrawell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:18 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Cobalt (mg/L)	GWA-3	0.0028	6/25/2019	0.00042	No	9	66.67	n/a	0.004675	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWA-4	0.01261	6/24/2019	0.006	No	23	8.696	sqrt(x)	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-10	0.0143	6/26/2019	0.0051	No	12	0	No	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-11	0.01525	6/26/2019	0.0037	No	23	0	No	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-12	0.0025	6/26/2019	0.00039	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-15	0.0025	6/25/2019	0.00012	No	23	65.22	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-16	0.0005	6/25/2019	0.0005ND	No	22	100	n/a	0.0004594	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-19	0.004909	6/26/2019	0.00042	No	23	39.13	ln(x)	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-20	0.0025	6/25/2019	0.00012	No	23	78.26	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-21	0.004852	6/25/2019	0.0028	No	23	30.43	No	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-23	0.0037	6/26/2019	0.0005ND	No	23	60.87	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-24	0.01526	6/26/2019	0.001	No	14	14.29	ln(x)	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-25	0.04937	6/25/2019	0.001	No	22	9.091	sqrt(x)	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-26	0.0025	6/25/2019	0.00017	No	23	86.96	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-27	0.003584	6/26/2019	0.0023	No	22	18.18	x^(1/3)	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-31	0.0015	6/26/2019	0.0005ND	No	18	94.44	n/a	0.0007943	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-32	0.0025	6/27/2019	0.00017	No	23	69.57	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-33	0.01175	6/26/2019	0.0025	No	22	18.18	sqrt(x)	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-34	0.027	6/26/2019	0.0005ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-35	0.0025	6/26/2019	0.00028	No	23	60.87	n/a	0.0004078	NP Intra (NDs) 1 of 3
Cobalt (mg/L)	GWC-5	0.04515	6/26/2019	0.0054	No	23	0	sqrt(x)	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-6	0.037	6/26/2019	0.012	No	23	0	n/a	0.0004078	NP Intra (normality) 1 of 3
Cobalt (mg/L)	GWC-7	0.02666	6/25/2019	0.0039	No	23	17.39	x^(1/3)	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-8	0.07133	6/25/2019	0.035	No	21	0	No	0.0001135	Param Intra 1 of 3
Cobalt (mg/L)	GWC-9	0.1558	6/25/2019	0.043	No	22	4.545	sqrt(x)	0.0001135	Param Intra 1 of 3
Copper (mg/L)	GWA-2	0.002	6/24/2019	0.0011	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-28	0.002	6/25/2019	0.002ND	No	16	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWA-29	0.01582	6/25/2019	0.0085	No	16	18.75	No	0.0001135	Param Intra 1 of 3
Copper (mg/L)	**GWA-3**	**0.002**	**6/25/2019**	**0.004**	**Yes**	**5**	**80**	**n/a**	**0.01896**	**NP Intra (NDs) 1 of 3**
Copper (mg/L)	GWC-11	0.002	6/26/2019	0.002ND	No	16	81.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-13	0.0021	6/25/2019	0.002ND	No	16	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-14	0.0068	6/25/2019	0.0008	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-15	0.002	6/25/2019	0.002ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-17	0.002	6/25/2019	0.002ND	No	16	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-20	0.0054	6/25/2019	0.002ND	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-23	0.002	6/26/2019	0.002ND	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-24	0.0028	6/26/2019	0.00094	No	7	71.43	n/a	0.008668	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-25	0.0034	6/25/2019	0.0029	No	15	73.33	n/a	0.001313	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-26	0.0027	6/25/2019	0.002	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-27	0.0038	6/26/2019	0.002ND	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-31	0.0048	6/26/2019	0.0019	No	12	58.33	n/a	0.002173	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-33	0.002	6/26/2019	0.002ND	No	15	93.33	n/a	0.001313	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-35	0.002	6/26/2019	0.002ND	No	16	75	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-5	0.002	6/26/2019	0.002ND	No	16	81.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-6	0.0031	6/26/2019	0.002ND	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-8	0.0035	6/25/2019	0.00074	No	16	62.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Copper (mg/L)	GWC-9	0.0026	6/25/2019	0.002ND	No	16	81.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-29	0.001	6/25/2019	0.00029	No	21	100	n/a	0.000511	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWA-3	0.001	6/25/2019	0.001ND	No	9	100	n/a	0.004675	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-10	0.0013	6/26/2019	0.001ND	No	12	91.67	n/a	0.002173	NP Intra (NDs) 1 of 3

Intrawell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:18 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Lead (mg/L)	GWC-17	0.001	6/25/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-18	0.0026	6/27/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-19	0.0013	6/26/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-20	0.011	6/25/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-24	0.0013	6/26/2019	0.00016	No	14	100	n/a	0.0016	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-25	0.0021	6/25/2019	0.001ND	No	22	95.45	n/a	0.0004594	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-26	0.001	6/25/2019	0.001ND	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-27	0.001	6/26/2019	0.001ND	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-31	0.0013	6/26/2019	0.00022	No	18	66.67	n/a	0.0007943	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-34	0.001	6/26/2019	0.001ND	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-5	0.001	6/26/2019	0.001ND	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Lead (mg/L)	GWC-8	0.001	6/25/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-1	0.0002	6/24/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-2	0.0002	6/24/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-28	0.0002	6/25/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-3	0.0002	6/25/2019	0.0002ND	No	9	88.89	n/a	0.004675	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWA-4	0.0002	6/24/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-10	0.0002	6/26/2019	0.0002ND	No	12	83.33	n/a	0.002173	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-11	0.0002	6/26/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-12	0.0002	6/26/2019	0.0002ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-13	0.0002	6/25/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-14	0.0002	6/25/2019	0.0002ND	No	23	78.26	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-15	0.0002	6/25/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-16	0.0002	6/25/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-17	0.0002	6/25/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-18	0.0002	6/27/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-19	0.0002	6/26/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-20	0.0002	6/25/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-21	0.0002	6/25/2019	0.0002ND	No	23	82.61	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-22	0.0002	6/25/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-23	0.0002	6/26/2019	0.0002ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-24	0.0002	6/26/2019	0.0002ND	No	14	92.86	n/a	0.0016	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-25	0.0002	6/25/2019	0.0002ND	No	22	95.45	n/a	0.0004594	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-26	0.0002	6/25/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-27	0.0002	6/26/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-30	0.0002	6/27/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-31	0.0002	6/26/2019	0.0002ND	No	18	94.44	n/a	0.0007943	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-32	0.0002	6/27/2019	0.0002ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-33	0.0002	6/26/2019	0.0002ND	No	22	95.45	n/a	0.0004594	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-34	0.0002	6/26/2019	0.0002ND	No	23	86.96	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-35	0.0002	6/26/2019	0.0002ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-5	0.0002	6/26/2019	0.0002ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-6	0.0002	6/26/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-7	0.0002	6/25/2019	0.0002ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-8	0.0002	6/25/2019	0.0002ND	No	23	86.96	n/a	0.0004078	NP Intra (NDs) 1 of 3
Mercury (mg/L)	GWC-9	0.0002	6/25/2019	0.0002ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-1	0.0025	6/24/2019	0.00095	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-2	0.0028	6/24/2019	0.0013	No	16	68.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-28	0.0025	6/25/2019	0.00088	No	16	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-29	0.005537	6/25/2019	0.0028	No	16	18.75	No	0.0001135	Param Intra 1 of 3

Intrawell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:18 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Nickel (mg/L)	GWA-3	0.0056	6/25/2019	0.0021	No	5	60	n/a	0.01896	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWA-4	0.0025	6/24/2019	0.0022	No	14	85.71	n/a	0.0016	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-10	0.01272	6/26/2019	0.0014	No	5	0	No	0.0001135	Param Intra 1 of 3
Nickel (mg/L)	GWC-11	0.001	6/26/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-13	0.0025	6/25/2019	0.00068	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-19	0.0025	6/26/2019	0.00051	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-21	0.0025	6/25/2019	0.00085	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-23	0.001	6/26/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-24	0.004597	6/26/2019	0.0016	No	7	14.29	No	0.0001135	Param Intra 1 of 3
Nickel (mg/L)	GWC-25	0.01984	6/25/2019	0.0021	No	15	33.33	sqrt(x)	0.0001135	Param Intra 1 of 3
Nickel (mg/L)	**GWC-26**	**0.0025**	**6/25/2019**	**0.0031**	**Yes**	**16**	**100**	**n/a**	**0.001026**	**NP Intra (NDs) 1 of 3**
Nickel (mg/L)	GWC-27	0.001	6/26/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-31	0.01227	6/26/2019	0.00034	No	12	25	ln(x)	0.0001135	Param Intra 1 of 3
Nickel (mg/L)	GWC-32	0.0025	6/27/2019	0.00059	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-33	0.0025	6/26/2019	0.00068	No	15	93.33	n/a	0.001313	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-34	0.012	6/26/2019	0.00047	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Nickel (mg/L)	GWC-35	0.004883	6/26/2019	0.0013	No	16	25	No	0.0001135	Param Intra 1 of 3
Nickel (mg/L)	GWC-5	0.009764	6/26/2019	0.0051	No	16	25	x^2	0.0001135	Param Intra 1 of 3
Nickel (mg/L)	GWC-6	0.00721	6/26/2019	0.0052	No	16	6.25	No	0.0001135	Param Intra 1 of 3
Nickel (mg/L)	GWC-7	0.02327	6/25/2019	0.01	No	16	25	No	0.0001135	Param Intra 1 of 3
Nickel (mg/L)	**GWC-8**	**0.003953**	**6/25/2019**	**0.0053**	**Yes**	**15**	**40**	**No**	**0.0001135**	**Param Intra 1 of 3**
Nickel (mg/L)	GWC-9	0.04652	6/25/2019	0.01	No	15	6.667	ln(x)	0.0001135	Param Intra 1 of 3
Selenium (mg/L)	GWA-1	0.005	6/24/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-28	0.005	6/25/2019	0.005ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-29	0.005	6/25/2019	0.005ND	No	21	85.71	n/a	0.000511	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWA-4	0.005	6/24/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-11	0.005	6/26/2019	0.005ND	No	23	82.61	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-12	0.005	6/26/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-13	0.005	6/25/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-14	0.0071	6/25/2019	0.005ND	No	24	75	n/a	0.0003562	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-15	0.005	6/25/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-16	0.005	6/25/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-18	0.005	6/27/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-21	0.005	6/25/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-22	0.005	6/25/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-25	0.005	6/25/2019	0.005ND	No	22	95.45	n/a	0.0004594	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-26	0.005	6/25/2019	0.005ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-27	0.005	6/26/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-30	0.005	6/27/2019	0.005ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-31	0.005	6/26/2019	0.005ND	No	18	72.22	n/a	0.0007943	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-32	0.005	6/27/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-33	0.005	6/26/2019	0.005ND	No	22	81.82	n/a	0.0004594	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-35	0.005	6/26/2019	0.005ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-5	0.005	6/26/2019	0.005ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-6	0.005	6/26/2019	0.005ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-8	0.005	6/25/2019	0.005ND	No	23	82.61	n/a	0.0004078	NP Intra (NDs) 1 of 3
Selenium (mg/L)	GWC-9	0.005	6/25/2019	0.005ND	No	22	81.82	n/a	0.0004594	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWA-29	0.002329	6/25/2019	0.0017	No	16	37.5	sqrt(x)	0.0001135	Param Intra 1 of 3
Silver (mg/L)	GWC-10	0.001	6/26/2019	0.001ND	No	5	100	n/a	0.01896	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-11	0.001	6/26/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3

Intrawell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:18 PM

Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Silver (mg/L)	GWC-12	0.001	6/26/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-14	0.001	6/25/2019	0.001ND	No	16	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-16	0.001	6/25/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-17	0.001	6/25/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-21	0.001	6/25/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-22	0.001	6/25/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-23	0.001	6/26/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-24	0.001	6/26/2019	0.001ND	No	7	100	n/a	0.008668	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-25	0.001	6/25/2019	0.001ND	No	15	100	n/a	0.001313	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-26	0.001	6/25/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-27	0.001	6/26/2019	0.001ND	No	15	100	n/a	0.001313	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-31	0.001	6/26/2019	0.001ND	No	11	54.55	n/a	0.002806	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-32	0.001	6/27/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-33	0.001	6/26/2019	0.001ND	No	15	100	n/a	0.001313	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-5	0.001	6/26/2019	0.001ND	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Silver (mg/L)	GWC-6	0.001	6/26/2019	0.001ND	No	16	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-1	0.0005	6/24/2019	0.0002	No	23	100	n/a	0.0004078	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWA-4	0.001	6/24/2019	0.001ND	No	23	91.3	n/a	0.0004078	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-14	0.001564	6/25/2019	0.00046	No	23	30.43	sqrt(x)	0.0001135	Param Intra 1 of 3
Thallium (mg/L)	GWC-19	0.001	6/26/2019	0.001ND	No	23	95.65	n/a	0.0004078	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-27	0.0005	6/26/2019	0.00019	No	21	47.62	n/a	0.000511	NP Intra (normality) 1 of 3
Thallium (mg/L)	GWC-33	0.0005	6/26/2019	0.0002	No	20	45	n/a	0.0005627	NP Intra (normality) 1 of 3
Thallium (mg/L)	GWC-35	0.0005	6/26/2019	0.00019	No	22	95.45	n/a	0.0004594	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-6	0.001	6/26/2019	0.001ND	No	23	82.61	n/a	0.0004078	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-7	0.001	6/25/2019	0.001ND	No	21	95.24	n/a	0.000511	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-8	0.001	6/25/2019	0.001ND	No	21	80.95	n/a	0.000511	NP Intra (NDs) 1 of 3
Thallium (mg/L)	GWC-9	0.001	6/25/2019	0.001ND	No	21	85.71	n/a	0.000511	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	**GWA-1**	**0.0025**	**6/24/2019**	**0.0028**	**Yes**	**16**	**100**	**n/a**	**0.001026**	**NP Intra (NDs) 1 of 3**
Vanadium (mg/L)	GWA-2	0.0025	6/24/2019	0.0018	No	16	81.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-28	0.0025	6/25/2019	0.0025	No	16	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWA-29	0.0025	6/25/2019	0.0023	No	16	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	**GWA-3**	**0.0025**	**6/25/2019**	**0.0028**	**Yes**	**5**	**100**	**n/a**	**0.01896**	**NP Intra (NDs) 1 of 3**
Vanadium (mg/L)	GWA-4	0.0025	6/24/2019	0.002	No	16	68.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-10	0.006504	6/26/2019	0.0014	No	5	40	No	0.0001135	Param Intra 1 of 3
Vanadium (mg/L)	GWC-11	0.0064	6/26/2019	0.0035	No	16	31.25	n/a	0.001026	NP Intra (normality) 1 of 3
Vanadium (mg/L)	GWC-13	0.0025	6/25/2019	0.0021	No	16	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-14	0.002	6/25/2019	0.0014	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-15	0.003	6/25/2019	0.0019	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-16	0.006174	6/25/2019	0.0056	No	16	37.5	No	0.0001135	Param Intra 1 of 3
Vanadium (mg/L)	**GWC-17**	**0.004392**	**6/25/2019**	**0.005**	**Yes**	**16**	**50**	**sqrt(x)**	**0.0001135**	**Param Intra 1 of 3**
Vanadium (mg/L)	**GWC-18**	**0.0025**	**6/27/2019**	**0.0031**	**Yes**	**15**	**80**	**n/a**	**0.001313**	**NP Intra (NDs) 1 of 3**
Vanadium (mg/L)	**GWC-19**	**0.0021**	**6/26/2019**	**0.0023**	**Yes**	**16**	**75**	**n/a**	**0.001026**	**NP Intra (NDs) 1 of 3**
Vanadium (mg/L)	GWC-20	0.005	6/25/2019	0.0038	No	16	43.75	n/a	0.001026	NP Intra (normality) 1 of 3
Vanadium (mg/L)	GWC-21	0.0028	6/25/2019	0.0021	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	**GWC-22**	**0.008541**	**6/25/2019**	**0.0092**	**Yes**	**16**	**18.75**	**No**	**0.0001135**	**Param Intra 1 of 3**
Vanadium (mg/L)	GWC-23	0.0025	6/26/2019	0.0019	No	16	81.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-24	0.0025	6/26/2019	0.0014	No	7	85.71	n/a	0.008668	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-25	0.0025	6/25/2019	0.0019	No	13	69.23	n/a	0.001886	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-26	0.0025	6/25/2019	0.0024	No	16	100	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-30	0.0059	6/27/2019	0.0029	No	16	75	n/a	0.001026	NP Intra (NDs) 1 of 3

Intrawell Prediction Limit All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:18 PM

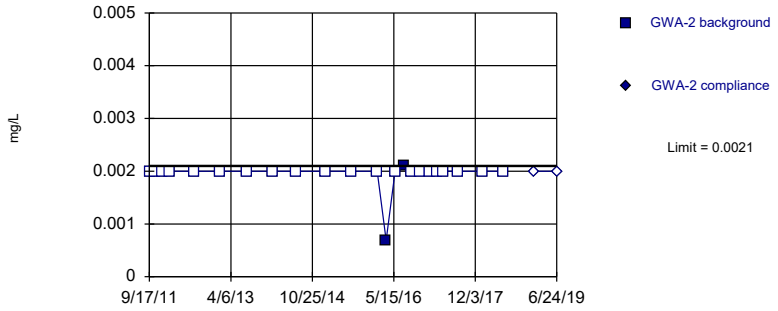
Constituent	Well	Upper Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Vanadium (mg/L)	GWC-31	0.0043	6/26/2019	0.0015	No	12	75	n/a	0.002173	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-32	0.003	6/27/2019	0.0021	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-33	0.0052	6/26/2019	0.0017	No	15	86.67	n/a	0.001313	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-34	0.0055	6/26/2019	0.002	No	16	93.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-35	0.0026	6/26/2019	0.0015	No	16	81.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-5	0.006406	6/26/2019	0.0033	No	16	43.75	No	0.0001135	Param Intra 1 of 3
Vanadium (mg/L)	GWC-6	0.0064	6/26/2019	0.0016	No	16	81.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-7	0.0057	6/25/2019	0.0035	No	16	62.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-8	0.0038	6/25/2019	0.0026	No	16	75	n/a	0.001026	NP Intra (NDs) 1 of 3
Vanadium (mg/L)	GWC-9	0.0025	6/25/2019	0.002	No	16	75	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWA-1	0.02139	6/24/2019	0.0048	No	16	12.5	ln(x)	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWA-2	0.02	6/24/2019	0.0046	No	16	25	n/a	0.001026	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWA-28	0.02	6/25/2019	0.011	No	16	25	n/a	0.001026	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWA-29	0.05409	6/25/2019	0.041	No	16	0	No	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWA-3	0.1074	6/25/2019	0.014	No	5	40	No	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWA-4	0.0093	6/24/2019	0.0036	No	15	60	n/a	0.001313	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-10	0.02	6/26/2019	0.0044	No	5	80	n/a	0.01896	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-11	0.005	6/26/2019	0.005ND	No	15	73.33	n/a	0.001313	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-12	0.005	6/26/2019	0.005ND	No	15	86.67	n/a	0.001313	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-13	0.005	6/25/2019	0.005ND	No	16	75	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	**GWC-14**	**0.01302**	**6/25/2019**	**0.014**	**Yes**	**16**	**18.75**	**sqrt(x)**	**0.0001135**	**Param Intra 1 of 3**
Zinc (mg/L)	GWC-15	0.005	6/25/2019	0.005ND	No	16	87.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-16	0.005	6/25/2019	0.005ND	No	15	66.67	n/a	0.001313	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-17	0.005	6/25/2019	0.005ND	No	16	62.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-18	0.005	6/27/2019	0.005ND	No	16	68.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-19	0.02	6/26/2019	0.0038	No	16	56.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-20	0.013	6/25/2019	0.005ND	No	16	62.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-21	0.01217	6/25/2019	0.0039	No	16	25	x^(1/3)	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWC-22	0.0068	6/25/2019	0.005ND	No	16	62.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-23	0.007288	6/26/2019	0.005ND	No	16	31.25	No	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWC-24	0.01585	6/26/2019	0.0062	No	7	28.57	No	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWC-25	0.02893	6/25/2019	0.01	No	15	6.667	No	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWC-26	0.005969	6/25/2019	0.0045	No	14	42.86	No	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWC-27	0.012	6/26/2019	0.005ND	No	14	28.57	n/a	0.0016	NP Intra (normality) 1 of 3
Zinc (mg/L)	GWC-30	0.009	6/27/2019	0.005ND	No	16	62.5	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-31	0.03796	6/26/2019	0.011	No	12	8.333	No	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWC-32	0.1273	6/27/2019	0.082	No	16	0	No	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWC-33	0.01087	6/26/2019	0.0056	No	15	26.67	ln(x)	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWC-34	0.005	6/26/2019	0.005ND	No	16	68.75	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-35	0.006162	6/26/2019	0.005ND	No	16	25	No	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWC-5	0.005	6/26/2019	0.005ND	No	16	56.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-6	0.005	6/26/2019	0.0033	No	16	56.25	n/a	0.001026	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-7	0.005	6/25/2019	0.005ND	No	15	60	n/a	0.001313	NP Intra (NDs) 1 of 3
Zinc (mg/L)	GWC-8	0.007153	6/25/2019	0.0043	No	16	43.75	No	0.0001135	Param Intra 1 of 3
Zinc (mg/L)	GWC-9	0.008549	6/25/2019	0.005	No	15	46.67	No	0.0001135	Param Intra 1 of 3

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

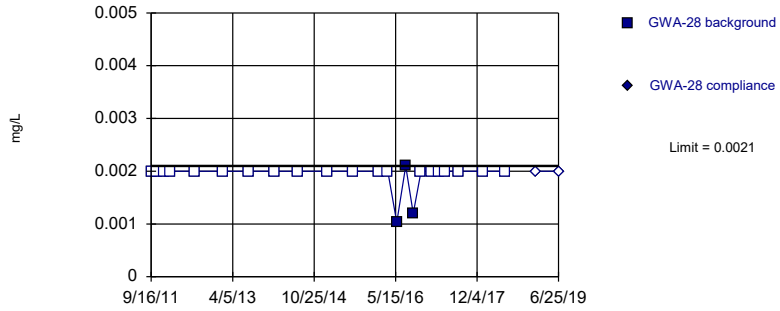
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

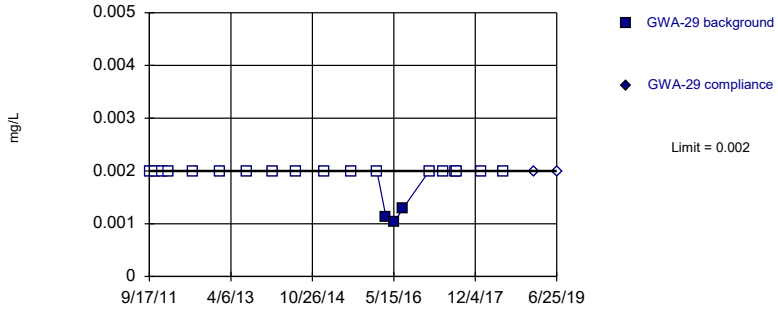
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

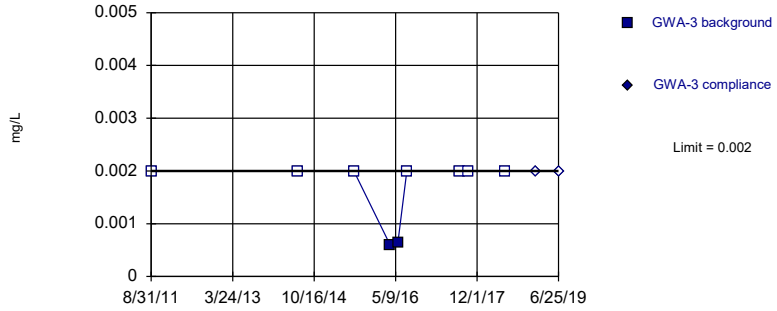
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

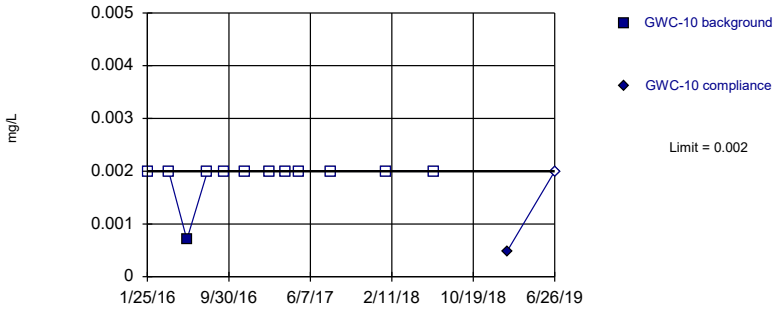
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

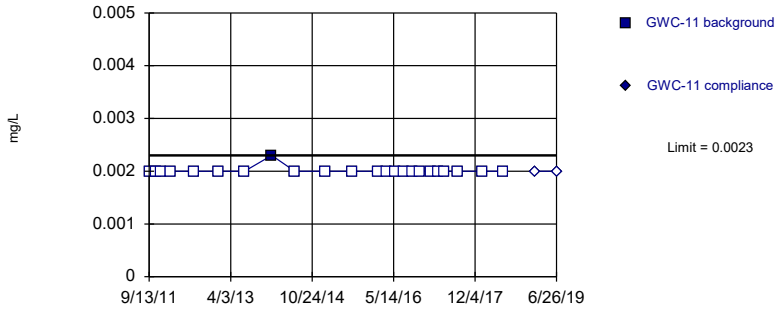
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

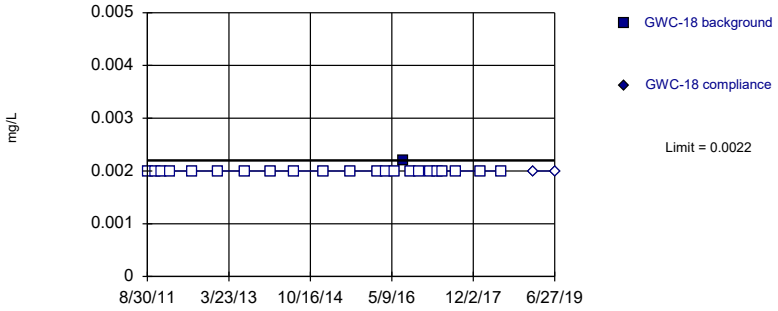
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

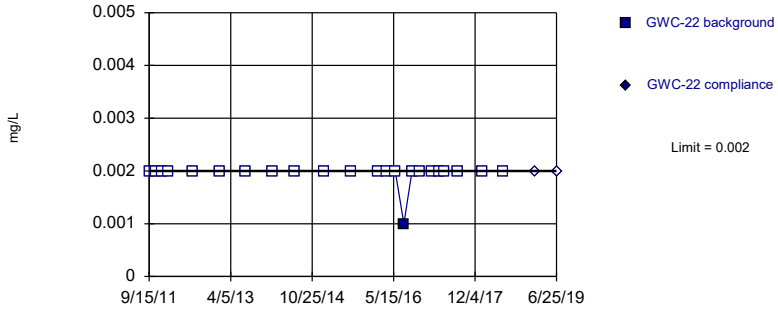
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

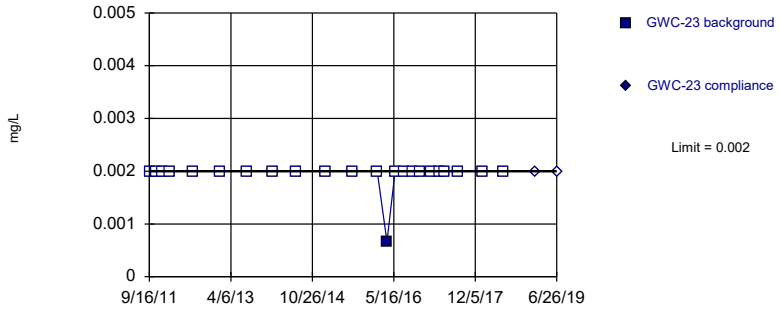
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

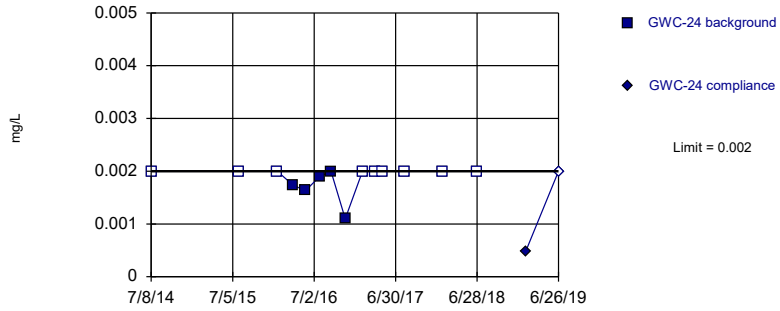
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 64.29% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

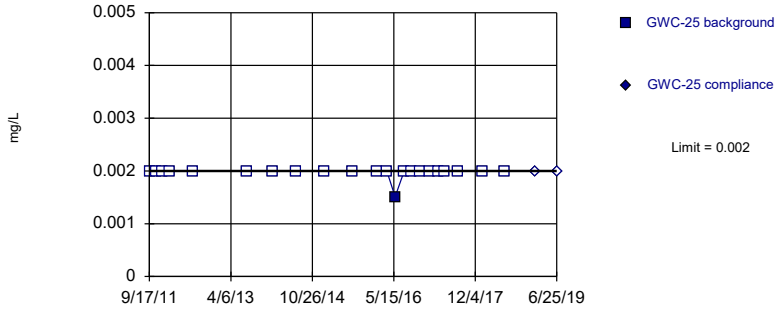
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

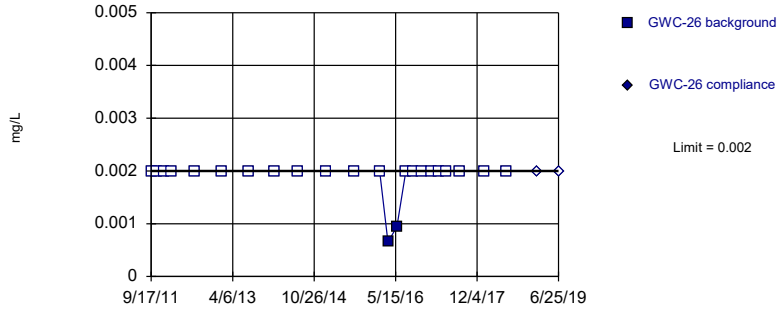
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

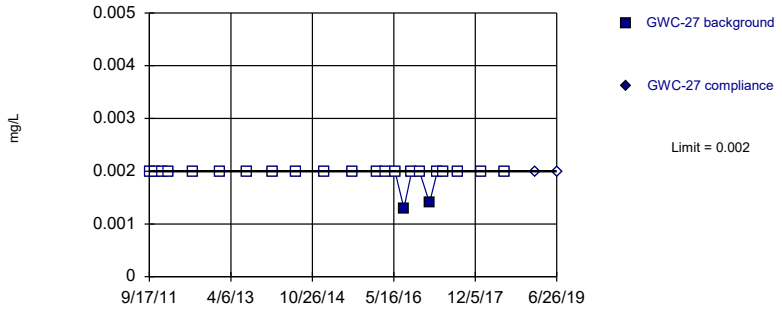
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

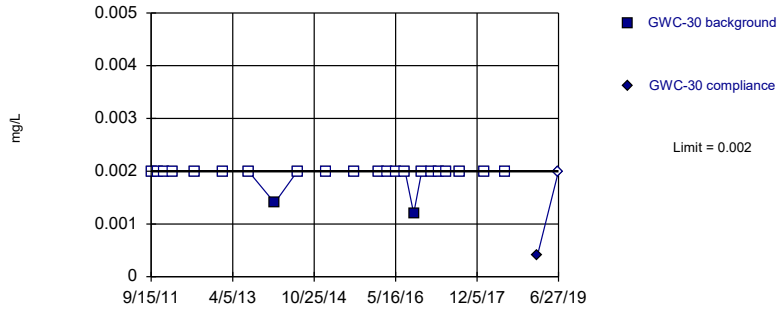
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

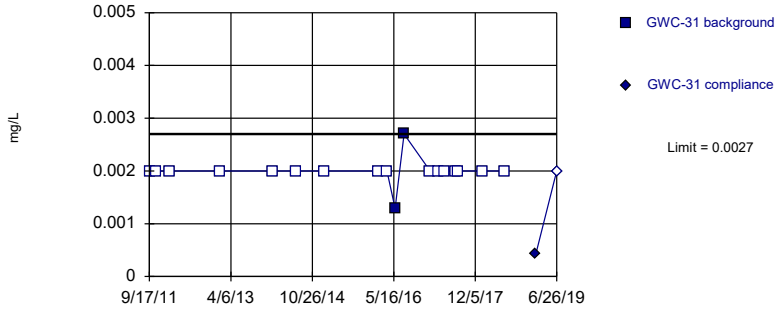
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.001588. Individual comparison alpha = 0.0007943 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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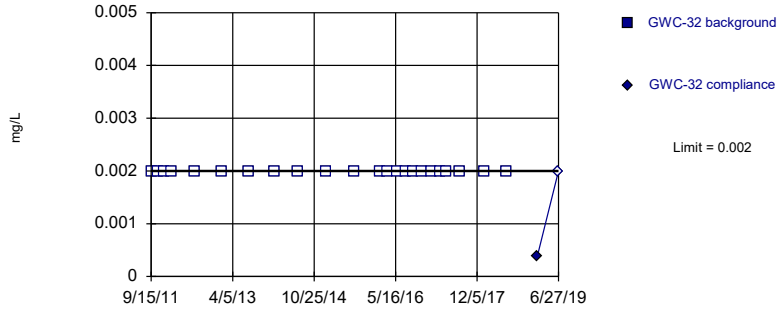
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

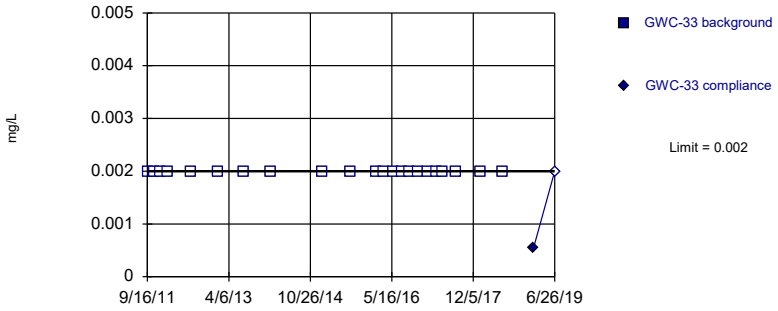
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

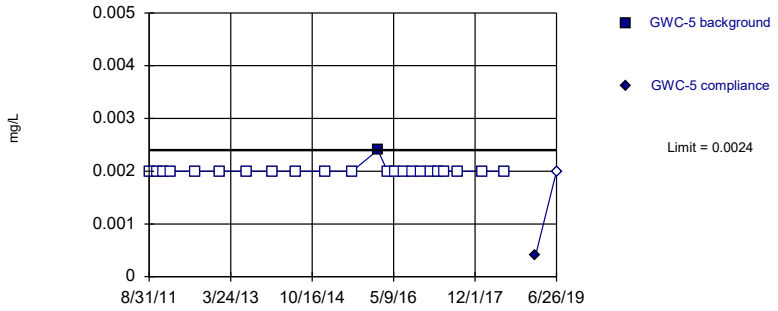
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

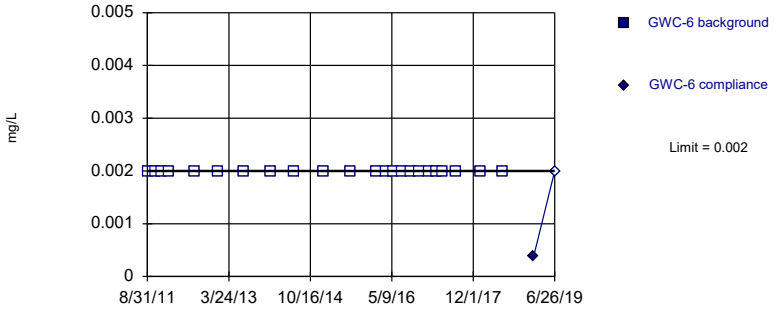
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Antimony

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

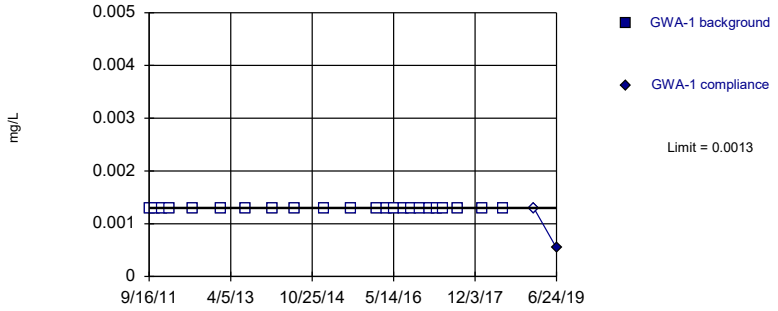
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

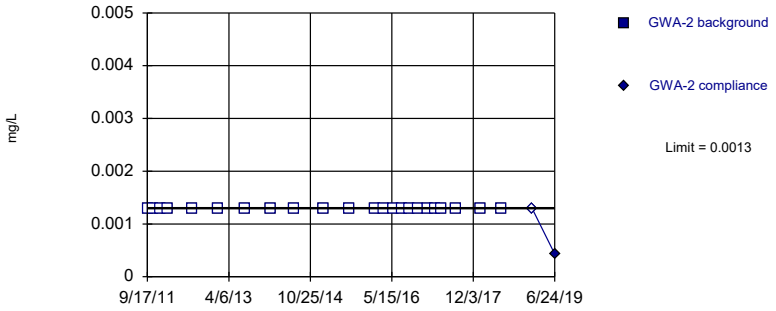
Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Arsenic

Intrawell Non-parametric



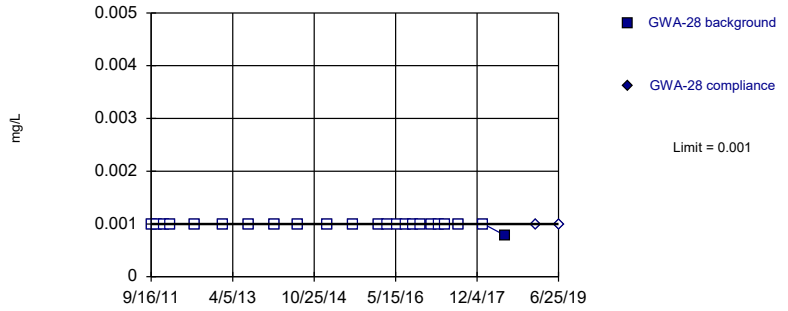
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Arsenic

Intrawell Non-parametric



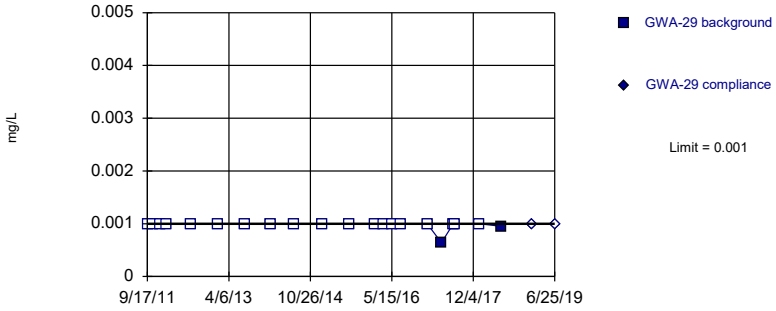
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Arsenic

Intrawell Non-parametric



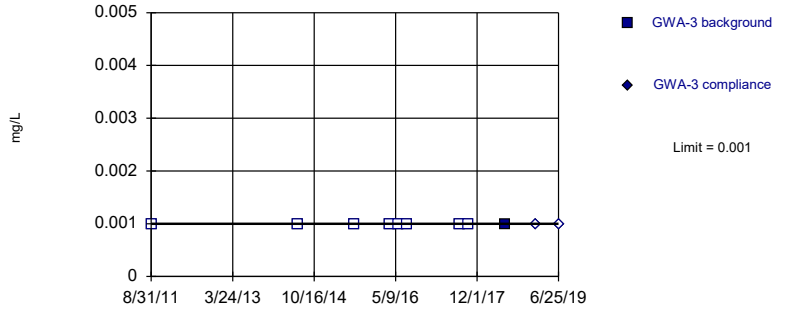
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:46 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Arsenic

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. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

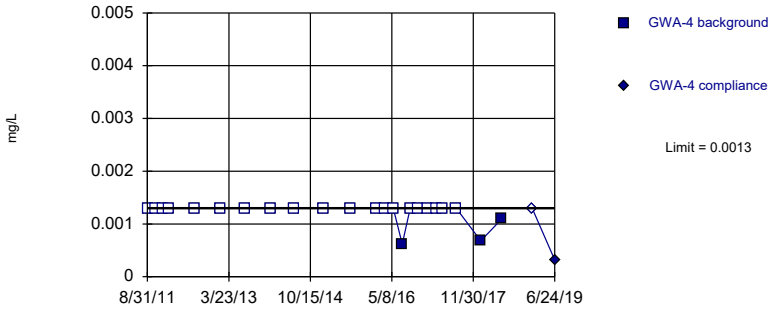
Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

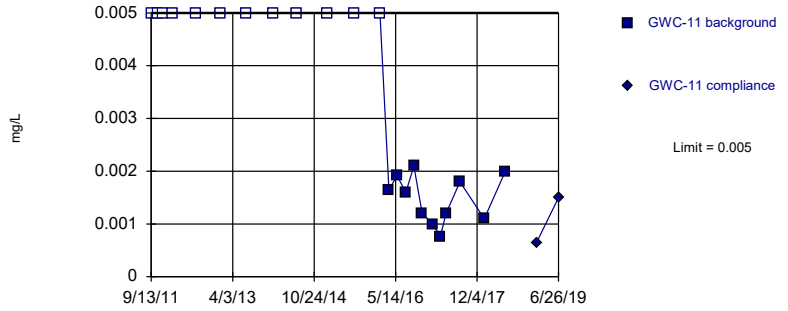
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

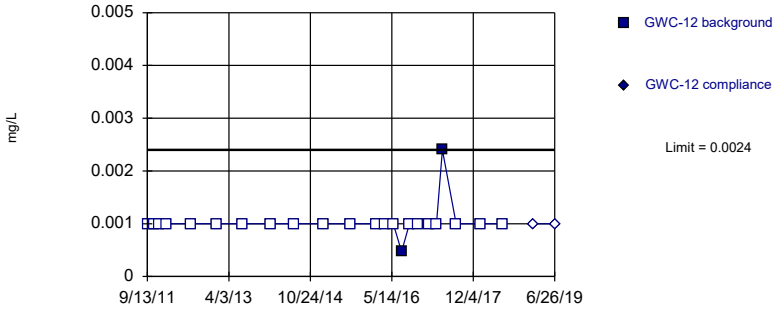
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

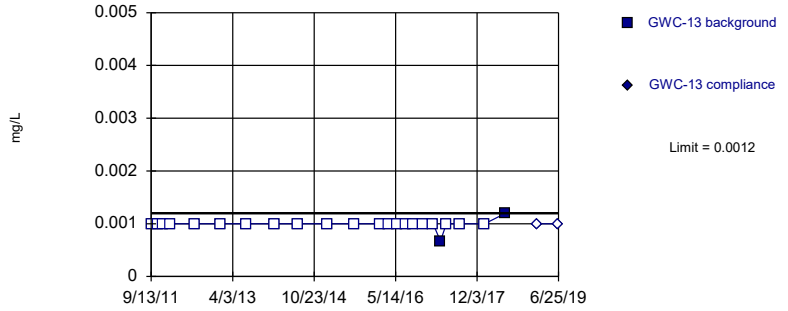
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

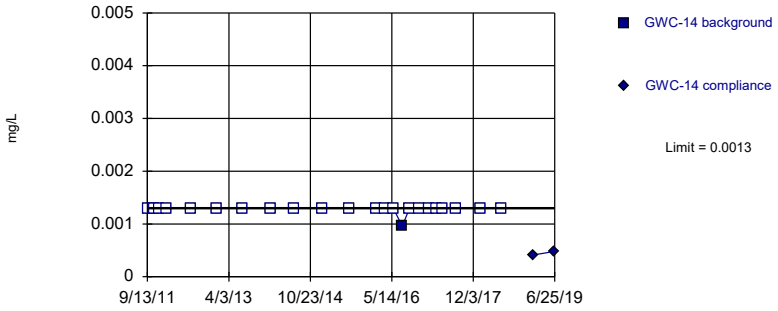
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

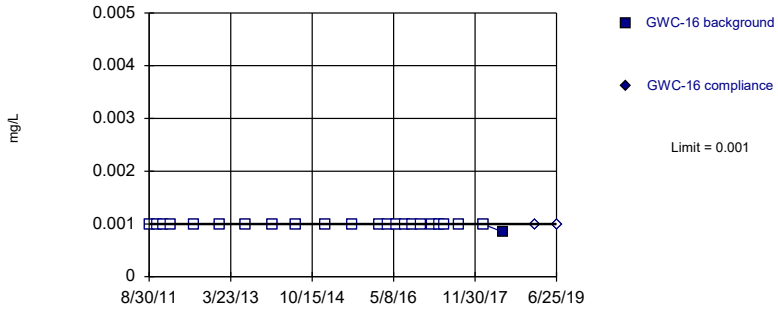
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

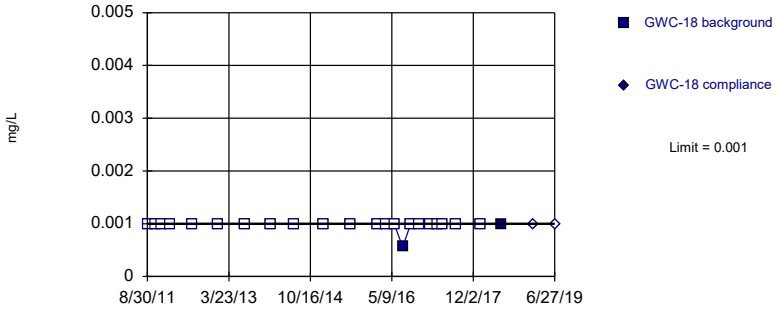
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

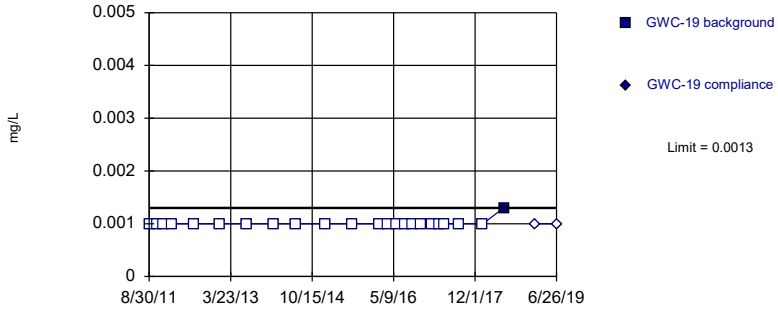
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

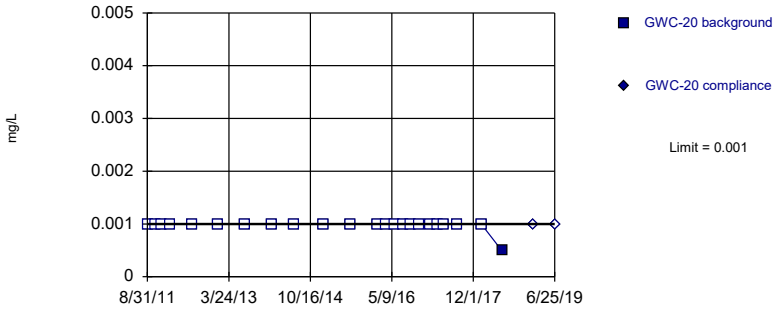
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

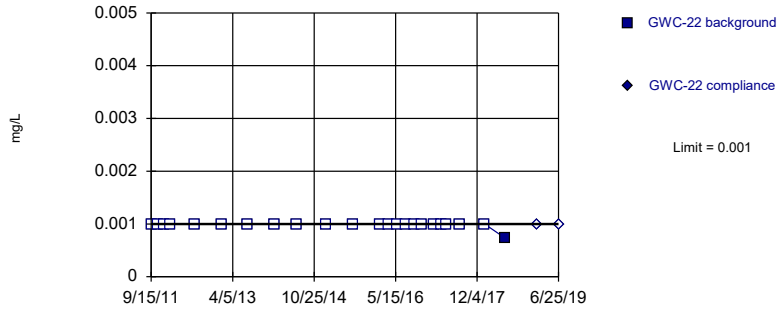
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

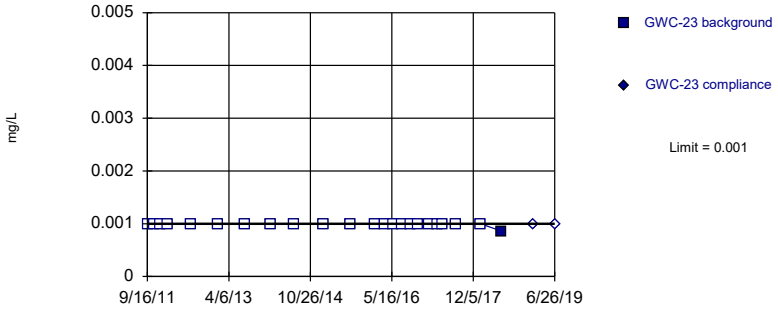
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

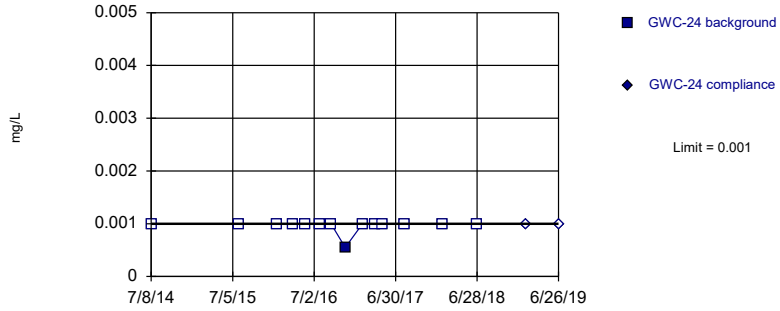
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

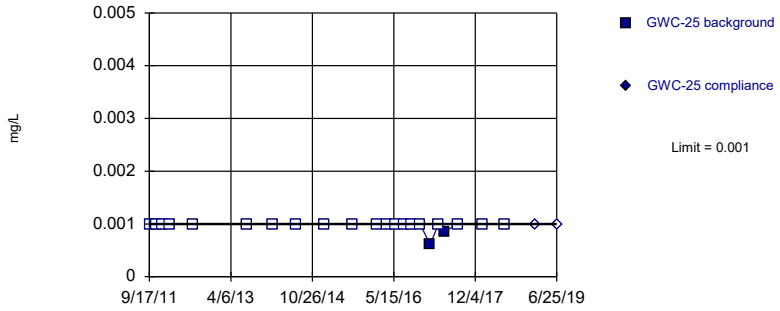
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

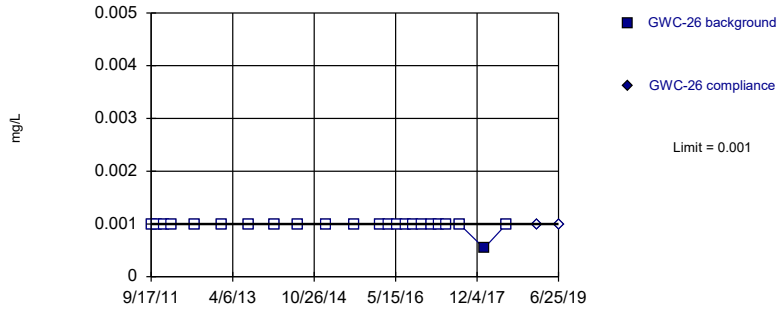
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

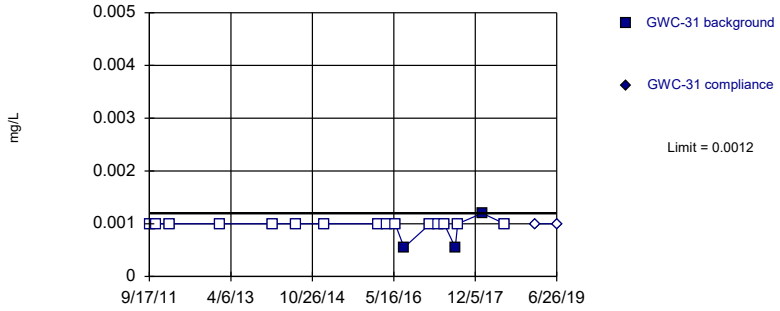
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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. 83.33% NDs. Well-constituent pair annual alpha = 0.001588. Individual comparison alpha = 0.0007943 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

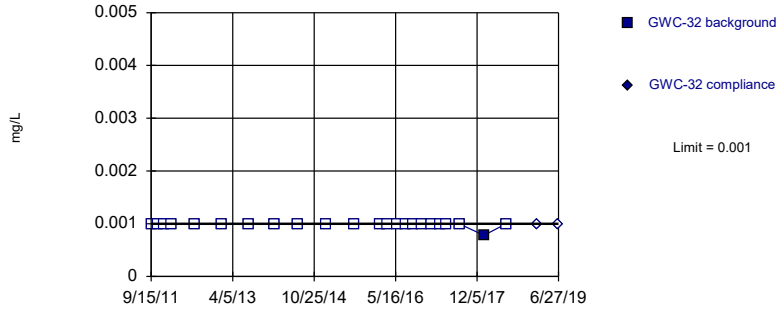
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

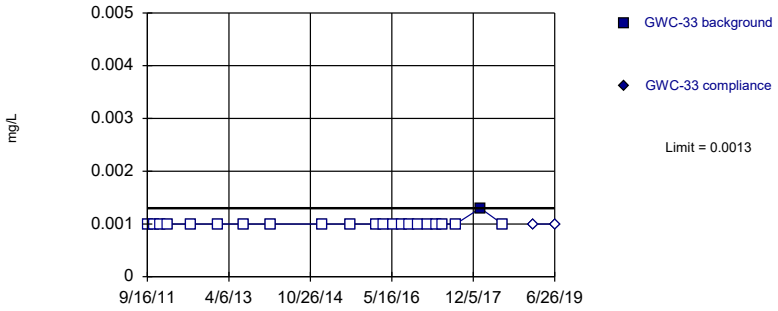
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

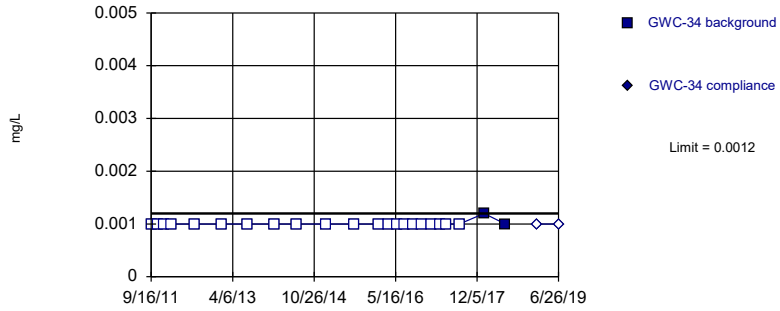
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:47 AM View: State Intrawell PL

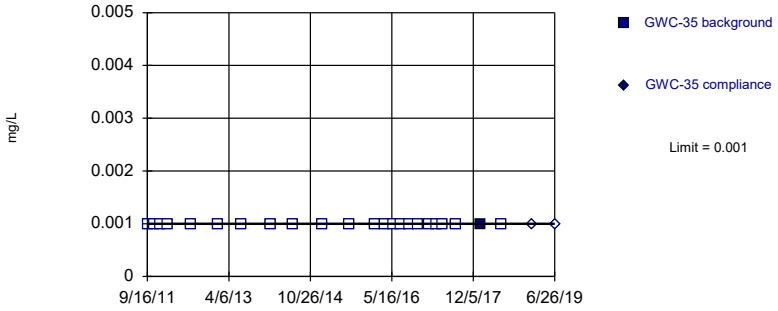
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

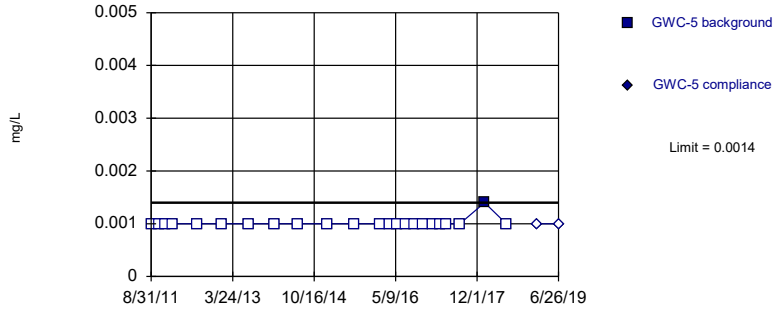
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

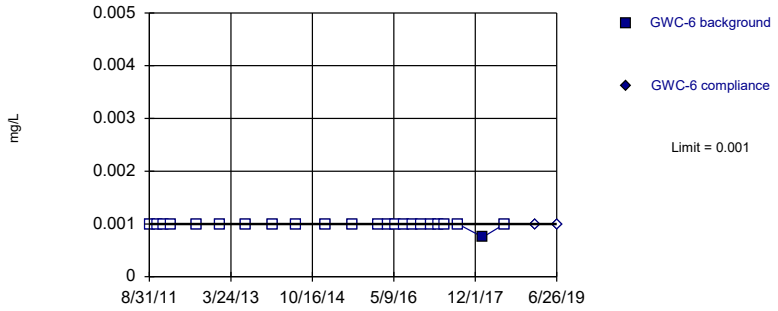
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

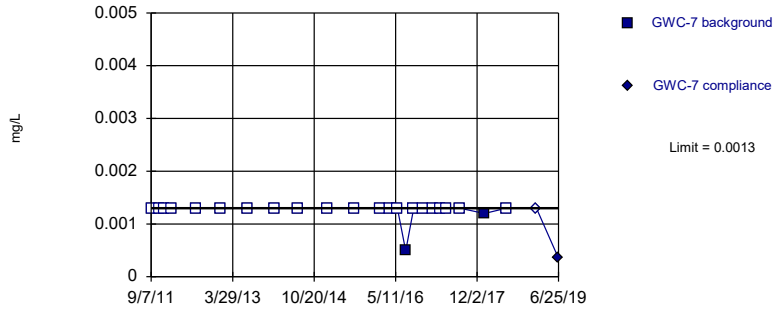
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

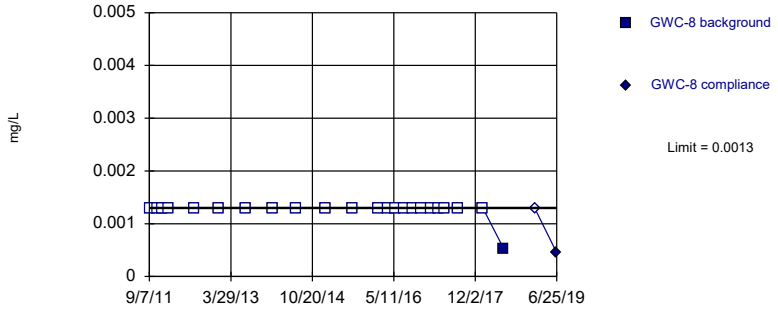
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

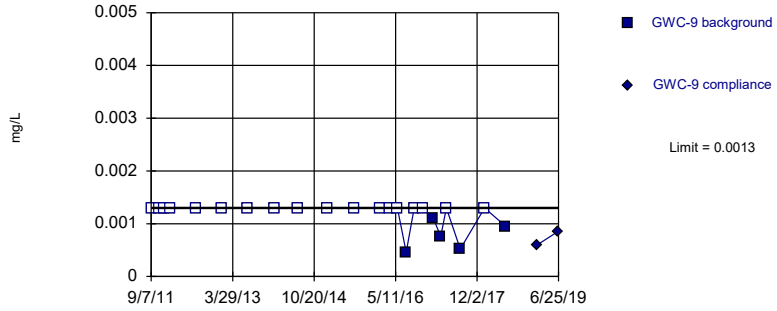
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Arsenic

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

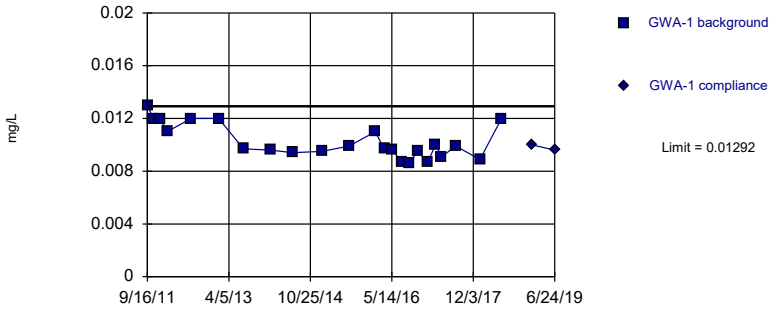
Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.01025, Std. Dev.=0.001319, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8813, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

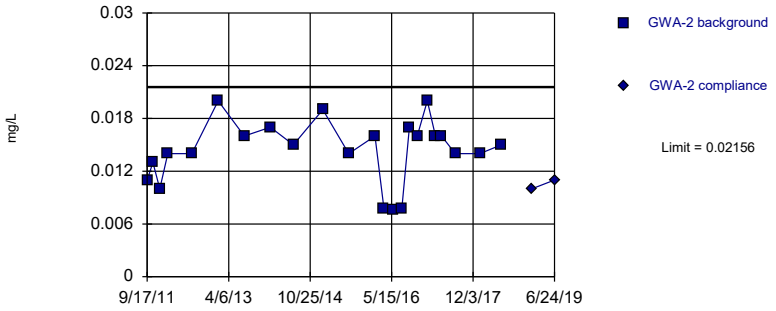
Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.01435, Std. Dev.=0.003559, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9219, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

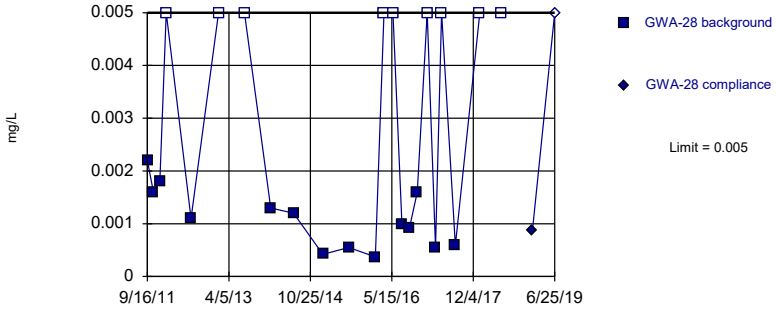
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Barium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 39.13% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

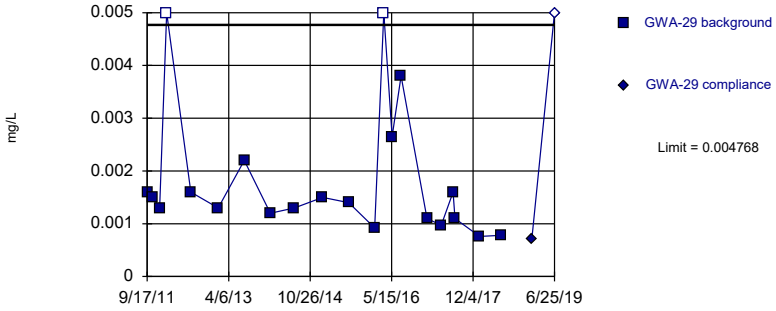
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Barium

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-6.46, Std. Dev.=0.5402, n=21, 9.524% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8886, critical = 0.873. Kappa = 2.063 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

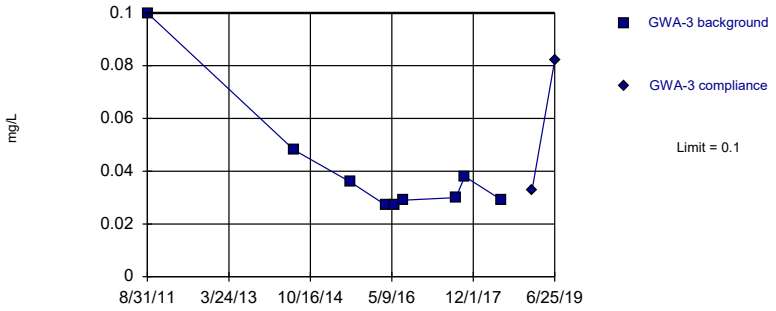
Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

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 9 background values. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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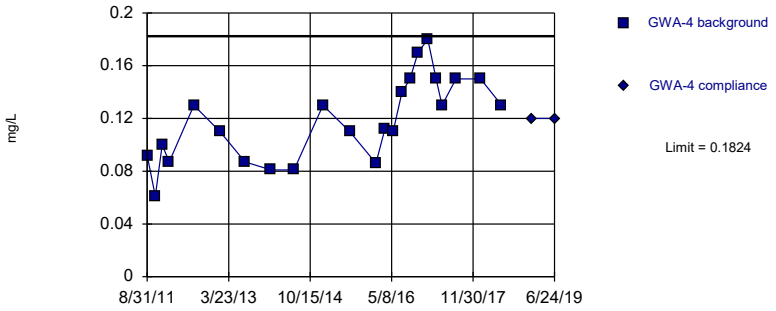
Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.1186, Std. Dev.=0.03152, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9643, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

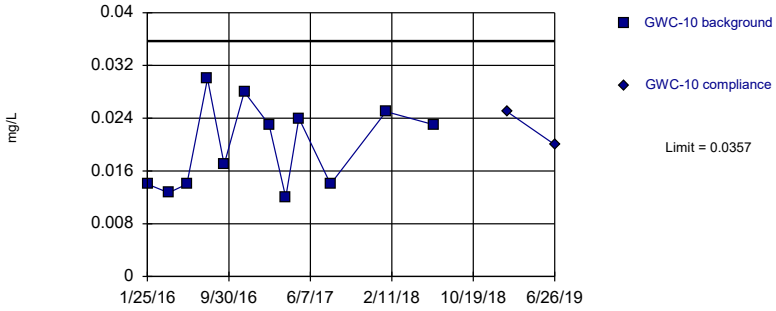
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.01973, Std. Dev.=0.006441, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8871, critical = 0.805. Kappa = 2.48 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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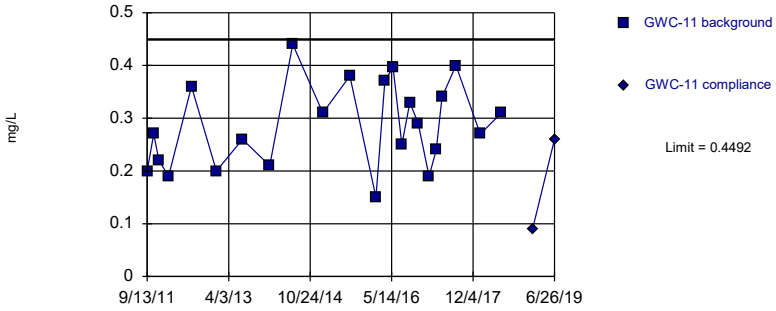
Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.286, Std. Dev.=0.08062, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9647, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

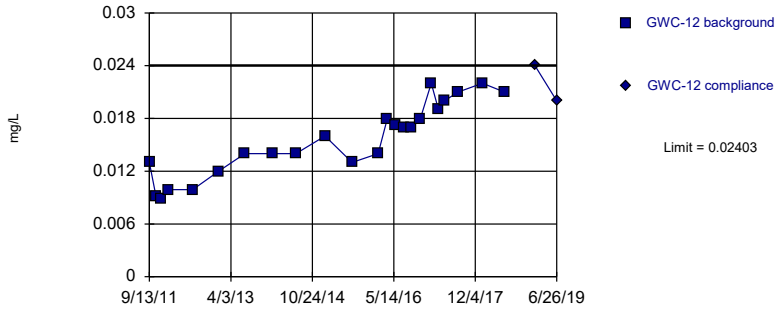
Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.01566, Std. Dev.=0.004138, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9475, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

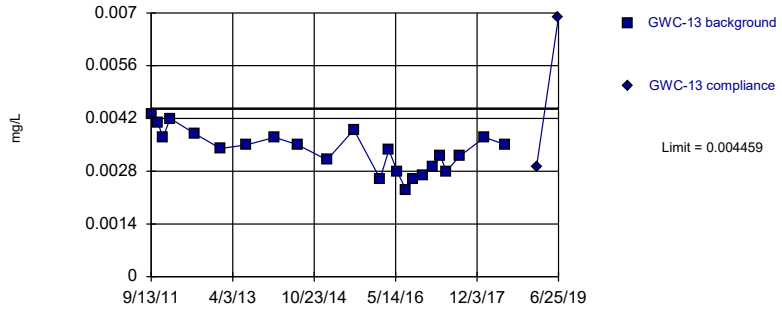
Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.003342, Std. Dev.=0.0005516, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9727, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

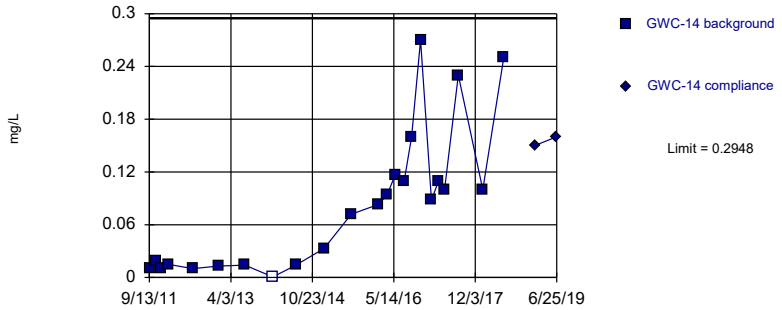
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Barium

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.2531, Std. Dev.=0.1432, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9218, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

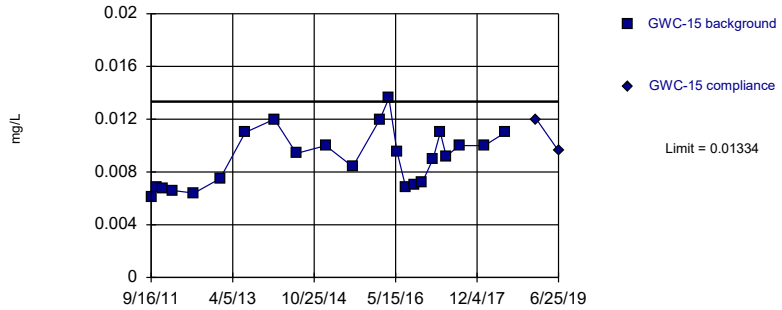
Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.009012, Std. Dev.=0.002137, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9356, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

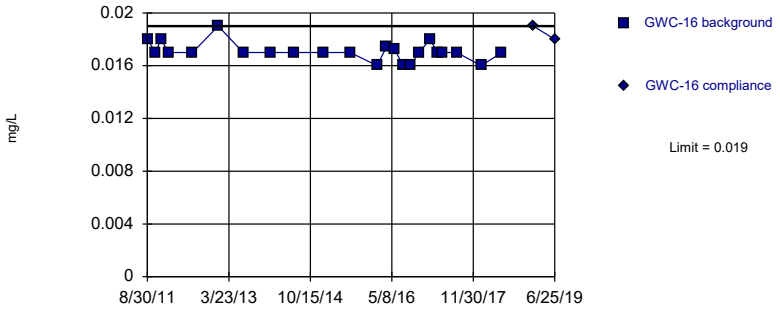
Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

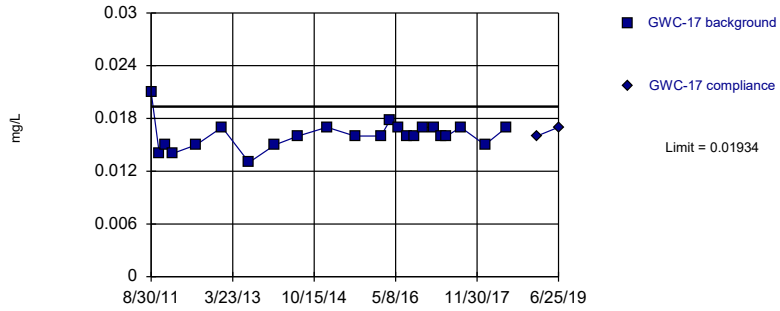
Prediction Limit Analysis Run 8/9/2019 10:48 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.01612, Std. Dev.=0.001592, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8965, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

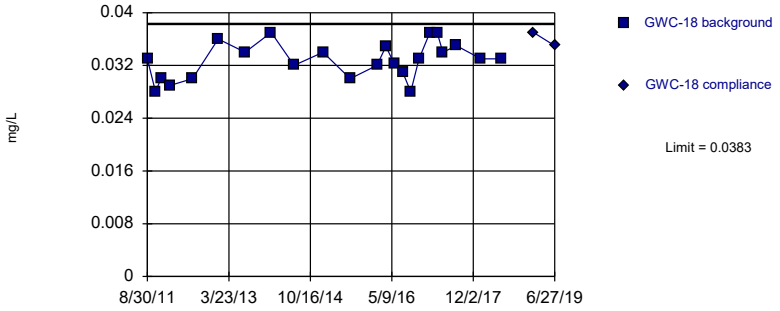
Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.03275, Std. Dev.=0.002744, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9545, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

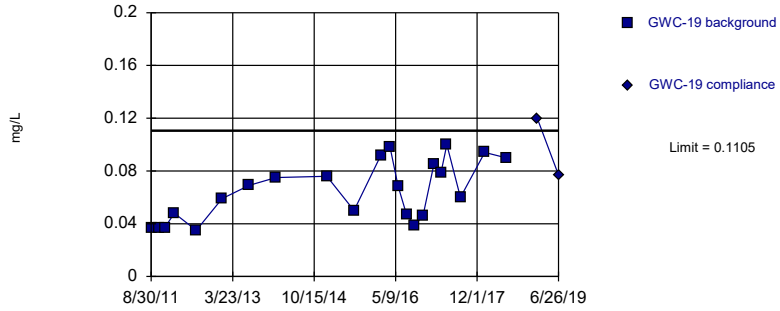
Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.06465, Std. Dev.=0.02245, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9157, critical = 0.878. Kappa = 2.044 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

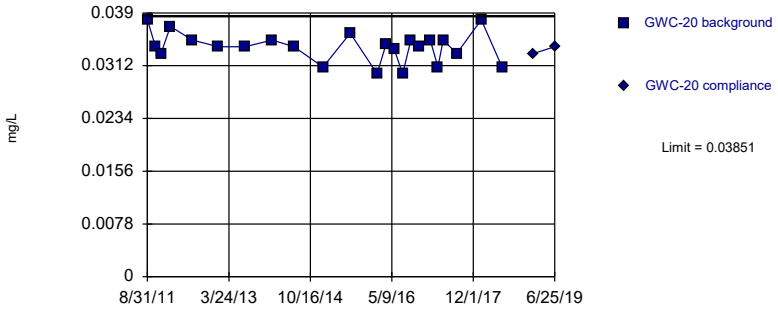
Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.03396, Std. Dev.=0.002249, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9372, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

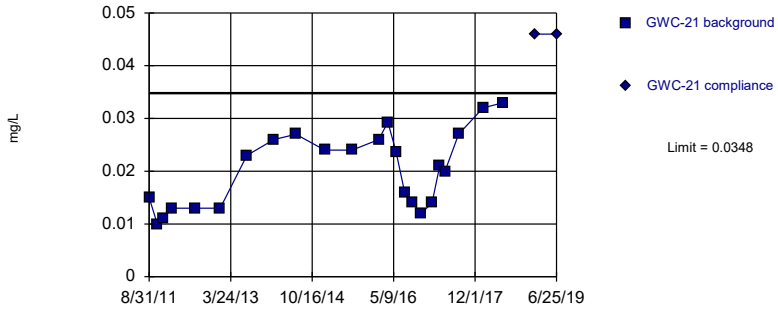
Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.0203, Std. Dev.=0.007161, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9246, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

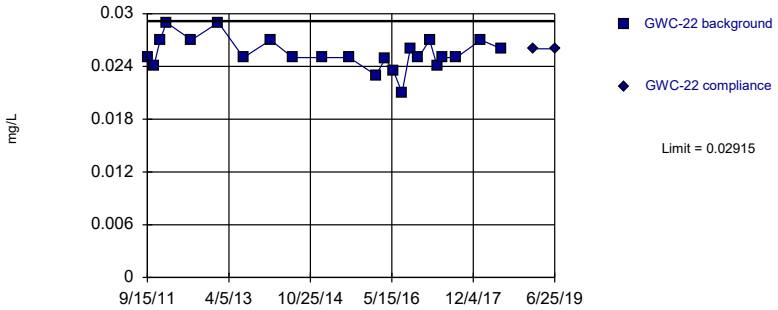
Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.02545, Std. Dev.=0.001829, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9363, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

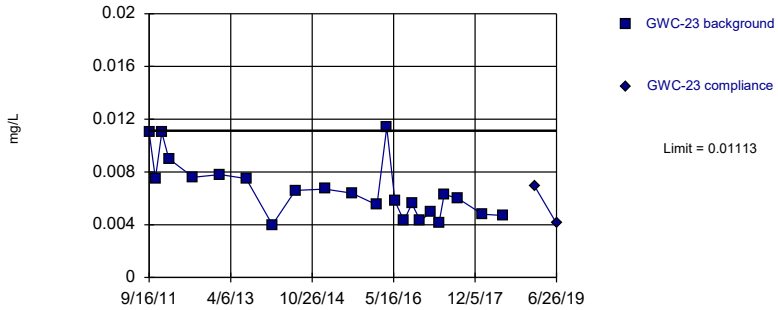
Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.006647, Std. Dev.=0.002215, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8938, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

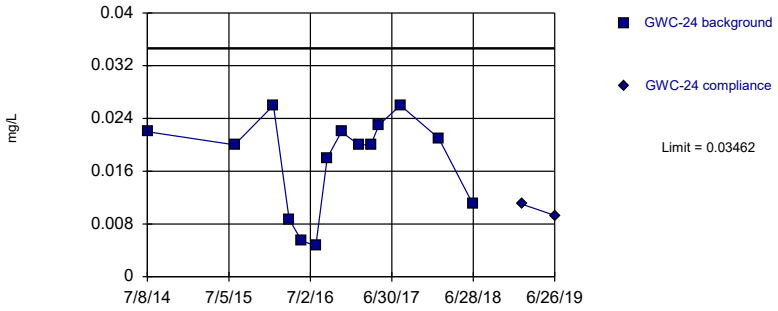
Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.01771, Std. Dev.=0.0072, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8591, critical = 0.825. Kappa = 2.349 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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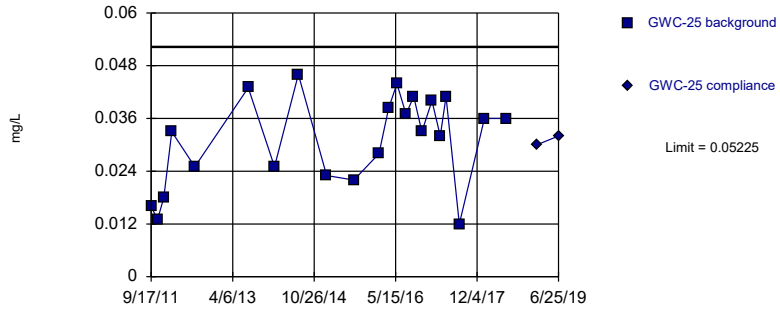
Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.03101, Std. Dev.=0.0104, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9416, critical = 0.878. Kappa = 2.044 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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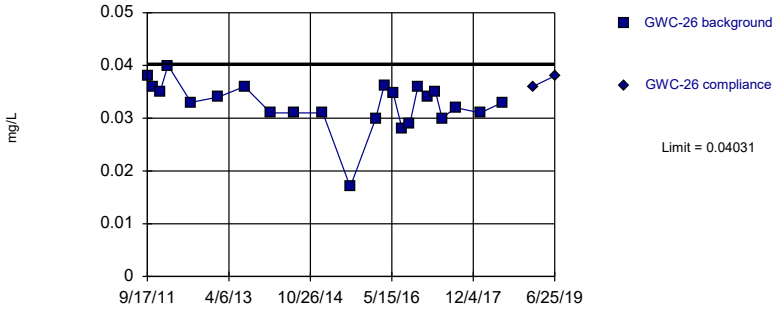
Within Limit

Barium

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.001086, Std. Dev.=0.0002664, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9358, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

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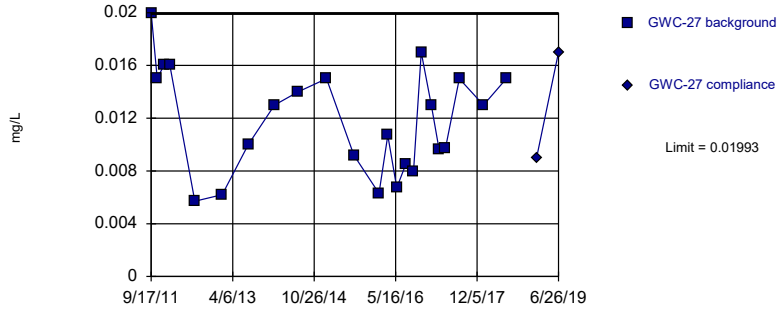
Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.01185, Std. Dev.=0.003989, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9514, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

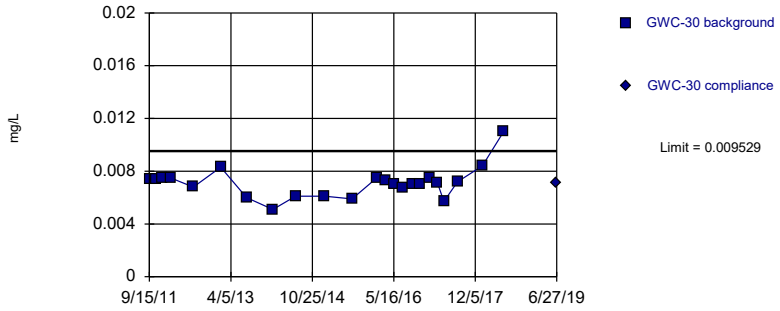
Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.08407, Std. Dev.=0.006692, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9028, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:49 AM View: State Intrawell PL

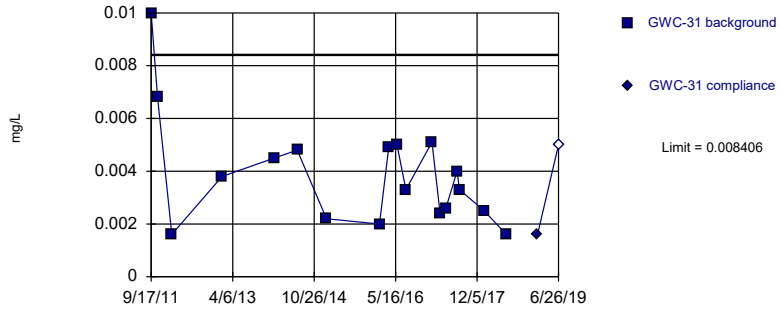
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.003913, Std. Dev.=0.002089, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8697, critical = 0.858. Kappa = 2.15 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

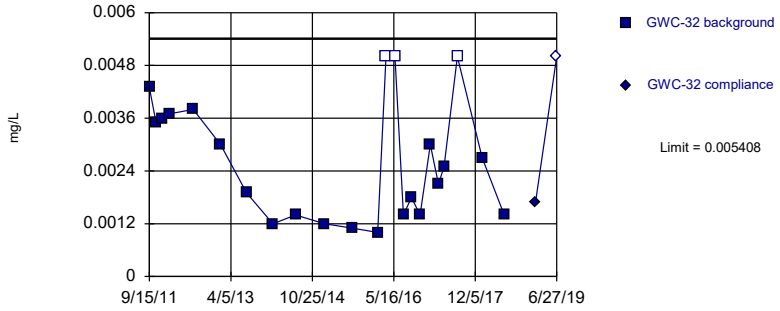
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.002652, Std. Dev.=0.001361, n=23, 13.04% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8981, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

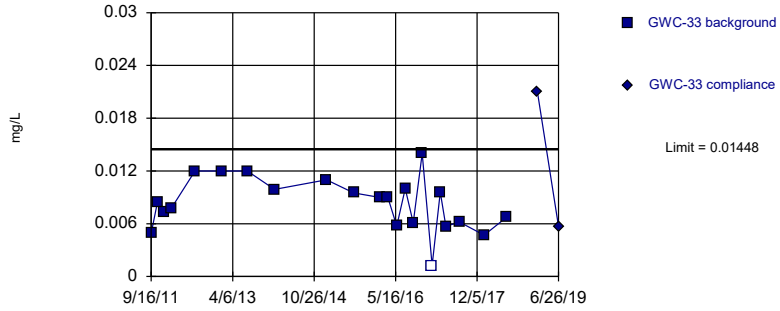
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.008309, Std. Dev.=0.003018, n=22, 4.545% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9796, critical = 0.878. Kappa = 2.044 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

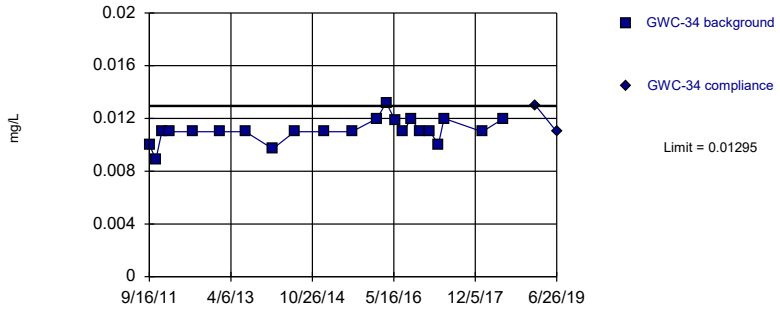
Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.01108, Std. Dev.=0.000916, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8839, critical = 0.878. Kappa = 2.044 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

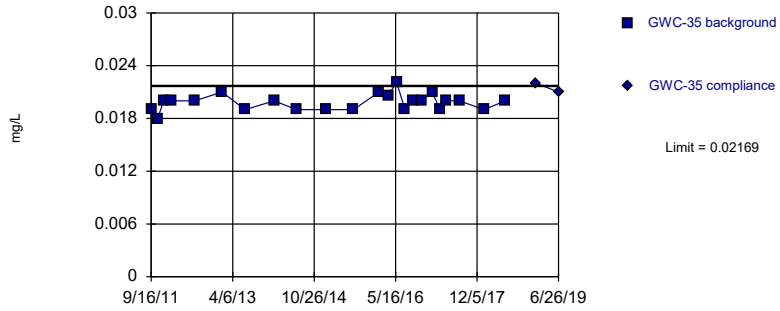
Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.01981, Std. Dev.=0.0009285, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9061, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

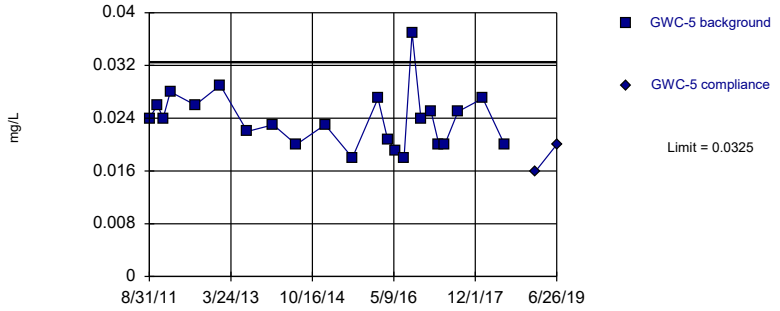
Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.02373, Std. Dev.=0.004334, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9097, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

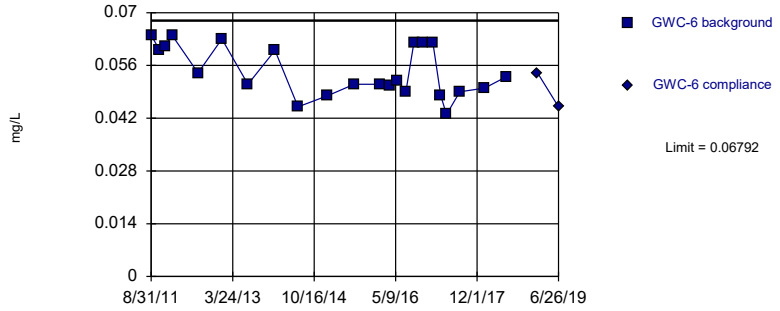
Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.05446, Std. Dev.=0.006649, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8995, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

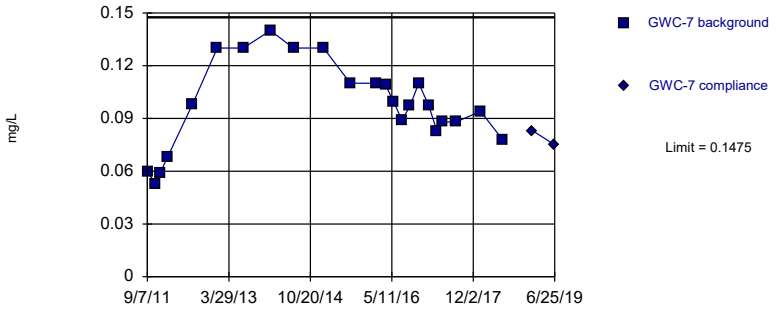
Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.09785, Std. Dev.=0.02452, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9582, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

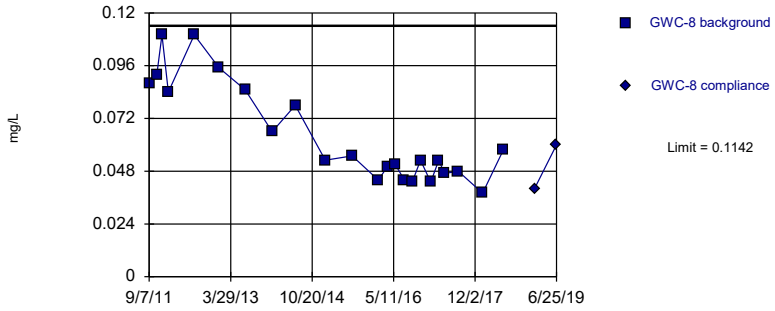
Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.2509, Std. Dev.=0.04301, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8862, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

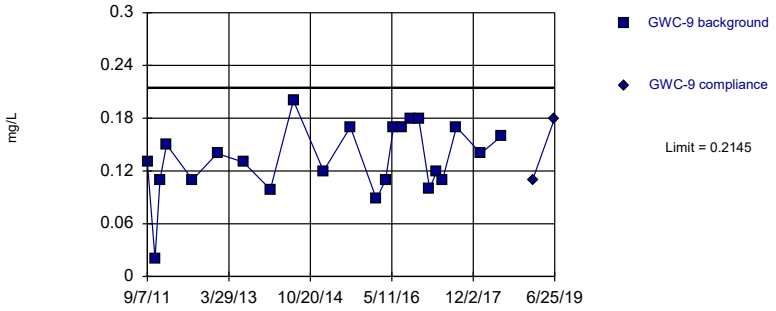
Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Barium

Intrawell Parametric



Background Data Summary: Mean=0.1338, Std. Dev.=0.03988, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9361, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

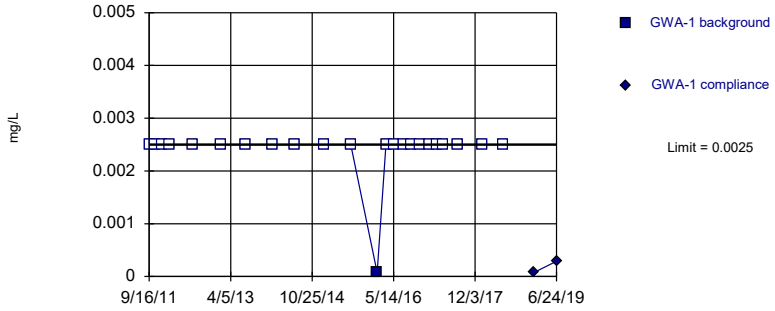
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

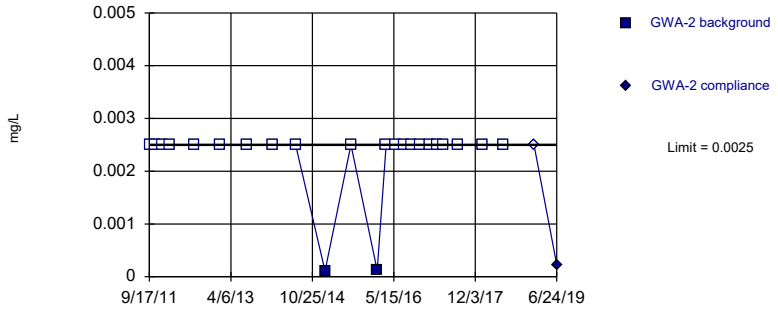
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

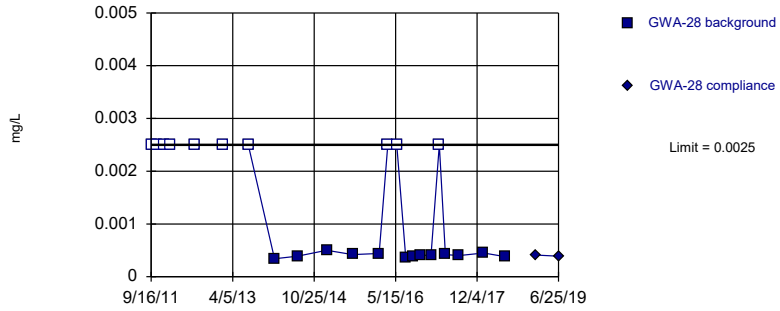
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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. 43.48% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

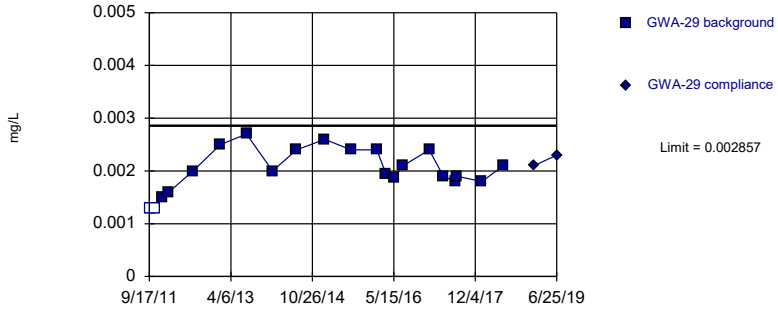
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

Intrawell Parametric



Background Data Summary: Mean=0.002025, Std. Dev.=0.0004034, n=21, 9.524% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9565, critical = 0.873. Kappa = 2.063 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

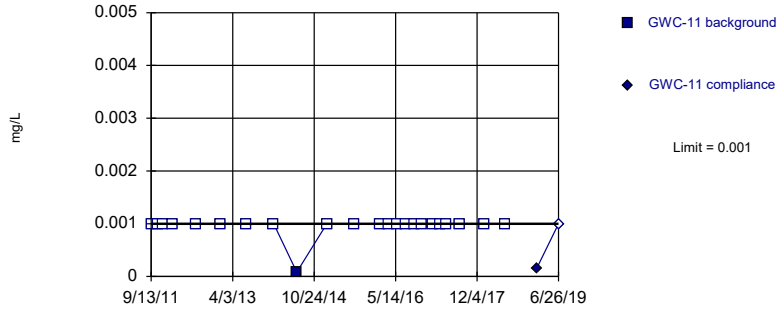
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

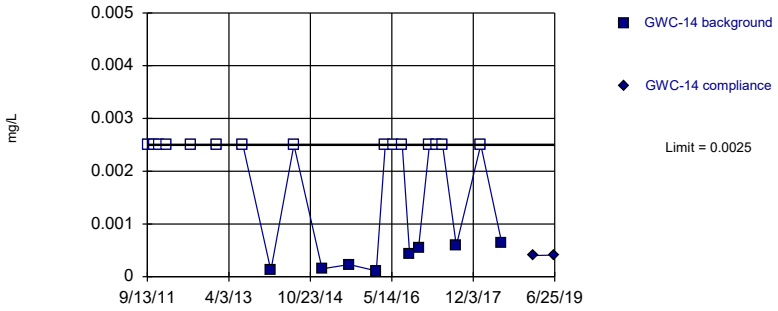
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

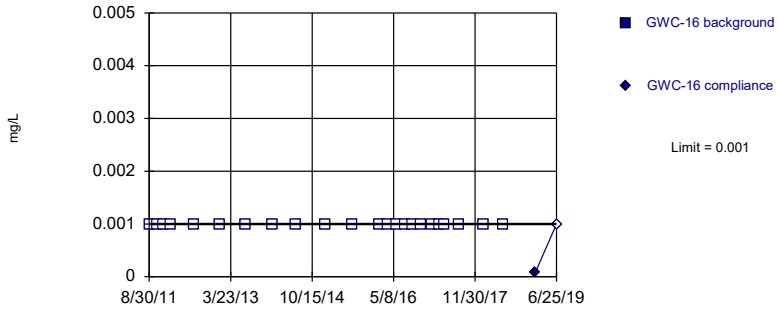
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

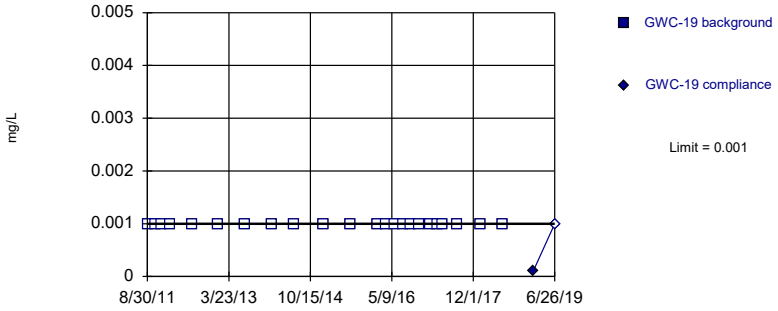
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

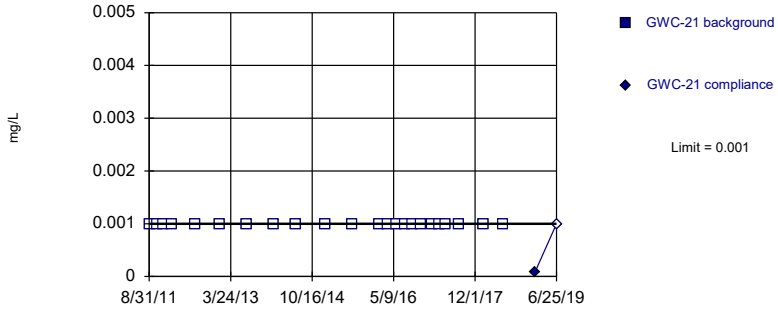
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

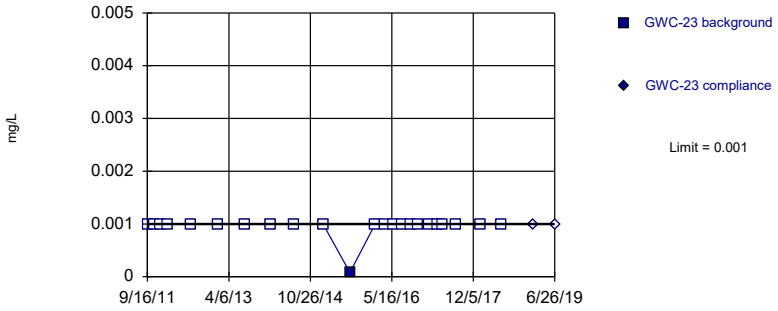
Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Beryllium

Intrawell Non-parametric



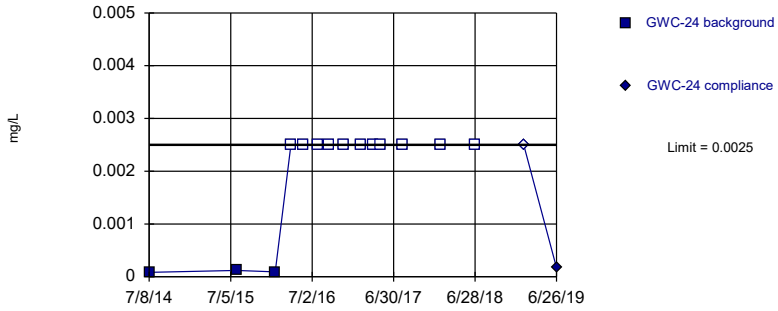
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Beryllium

Intrawell Non-parametric



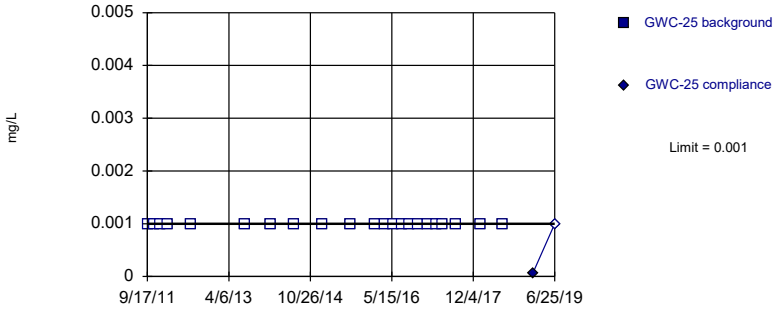
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:50 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Beryllium

Intrawell Non-parametric



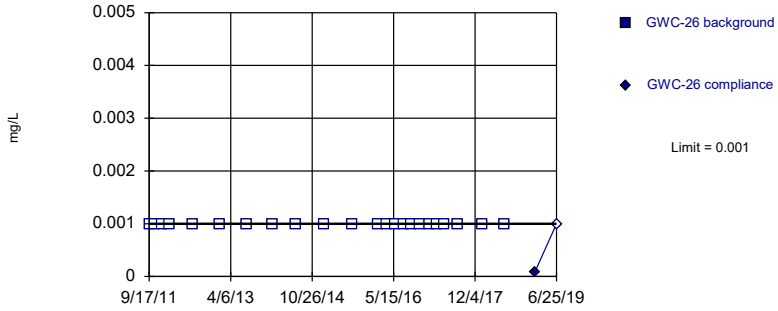
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

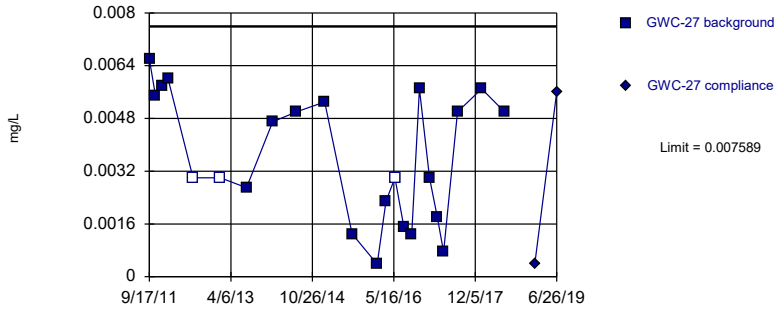
Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

Intrawell Parametric



Background Data Summary: Mean=0.003666, Std. Dev.=0.001938, n=23, 13.04% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9178, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

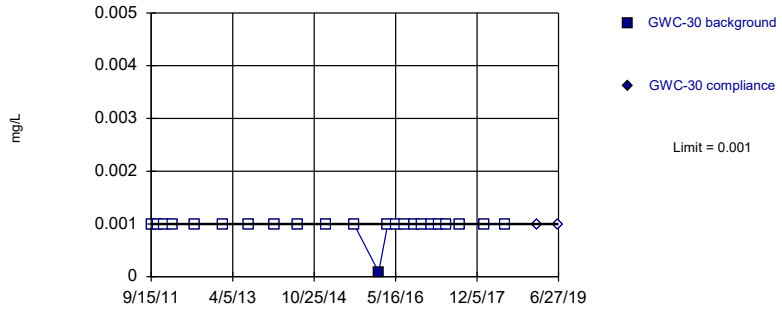
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

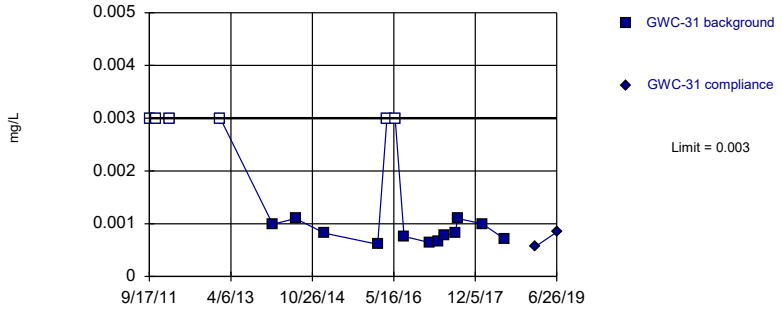
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 18 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.001588. Individual comparison alpha = 0.0007943 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

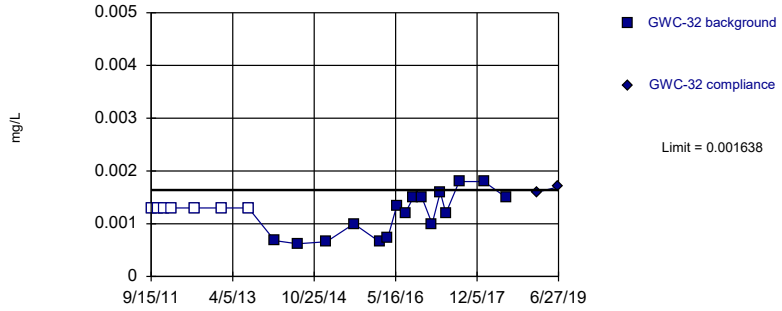
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Beryllium

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.0009112, Std. Dev.=0.0003589, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9131, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

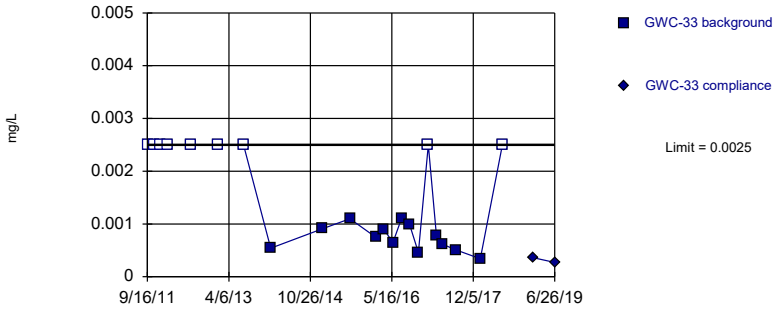
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

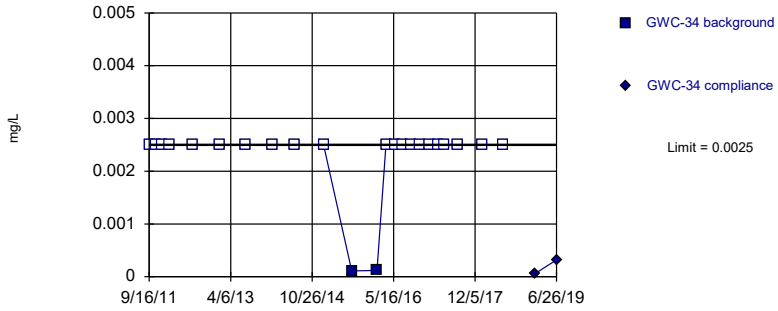
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

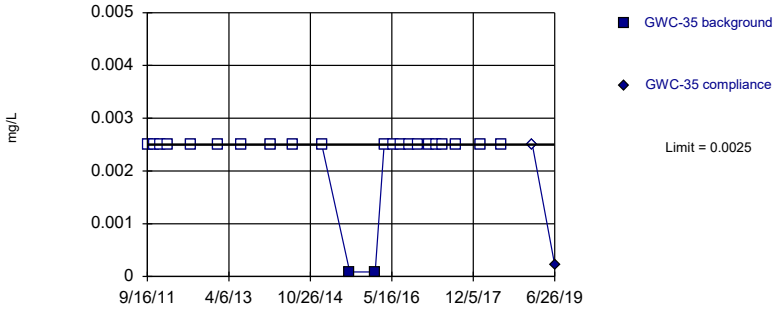
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

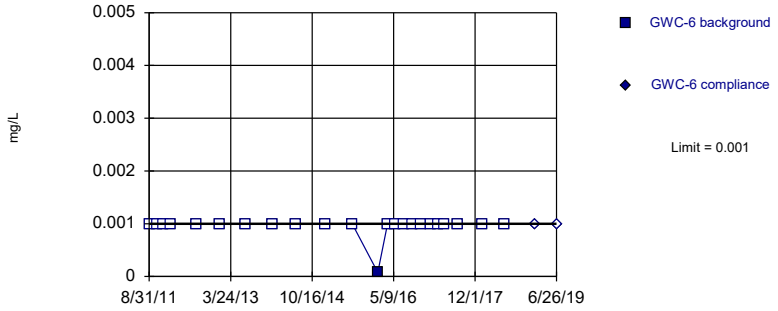
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Beryllium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

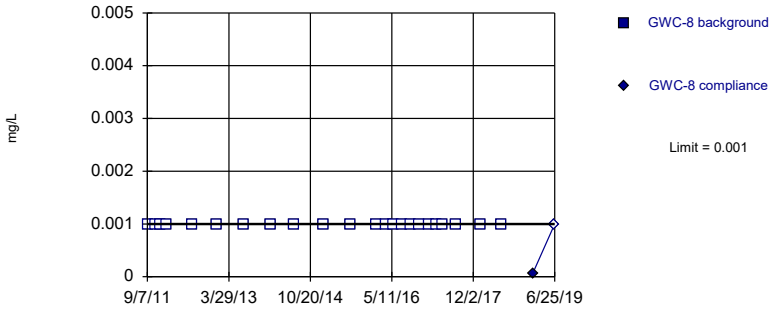
Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Beryllium

Intrawell Non-parametric



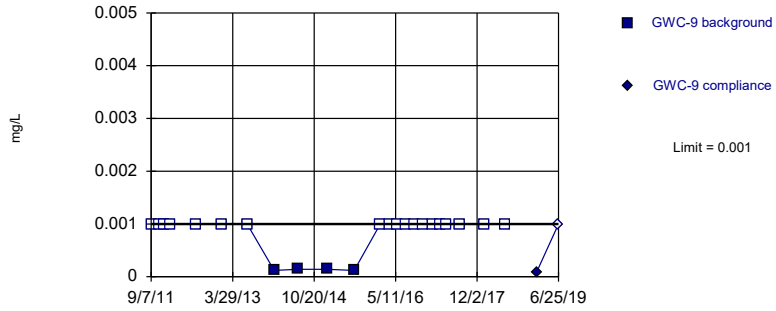
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Beryllium

Intrawell Non-parametric



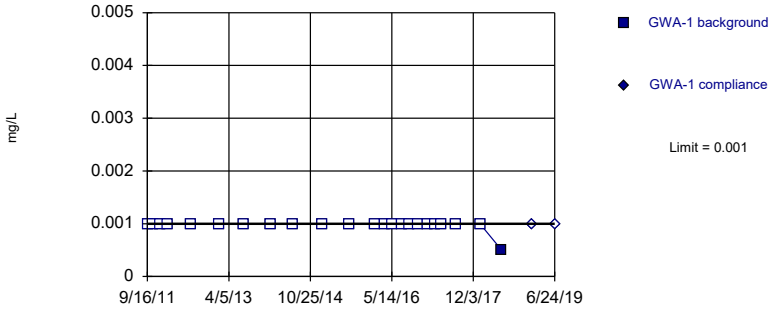
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cadmium

Intrawell Non-parametric



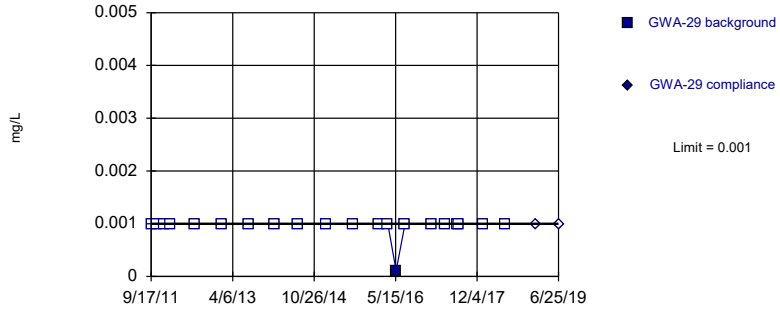
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cadmium

Intrawell Non-parametric



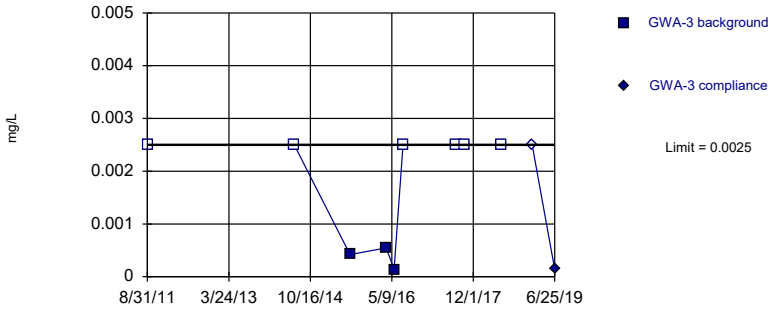
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cadmium

Intrawell Non-parametric



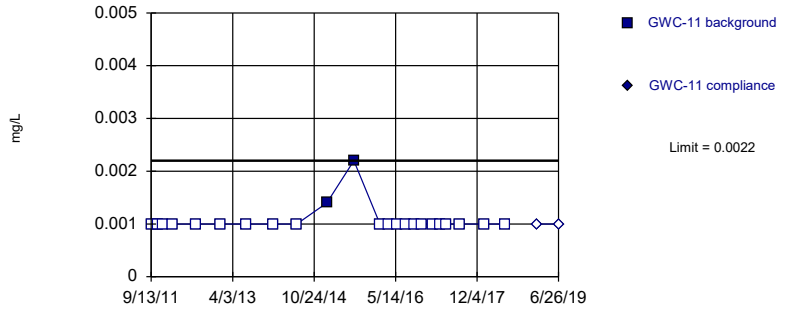
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cadmium

Intrawell Non-parametric



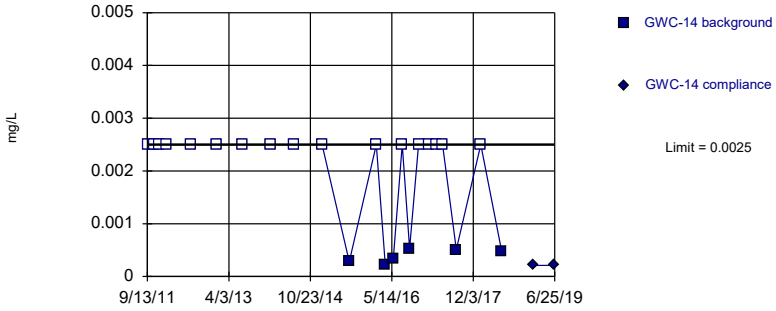
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cadmium

Intrawell Non-parametric



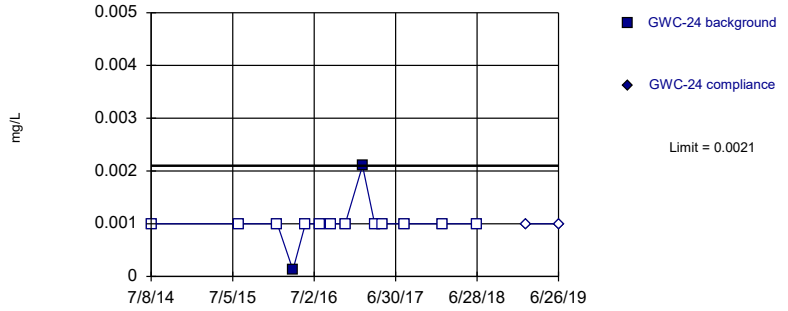
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cadmium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

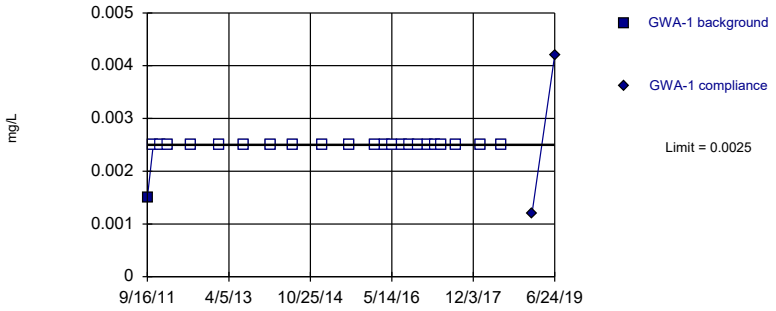
Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

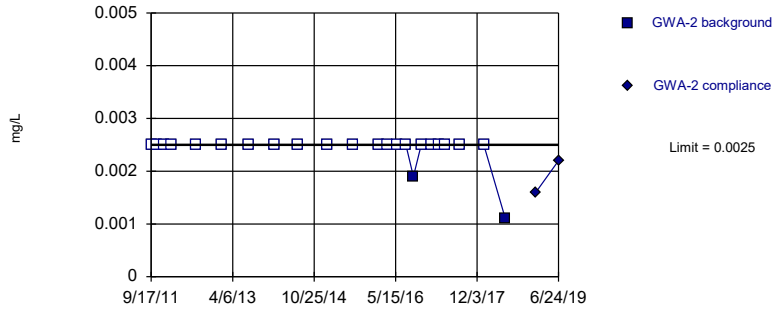
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

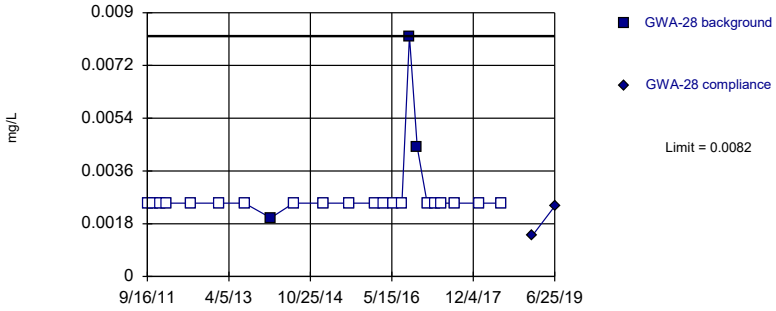
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

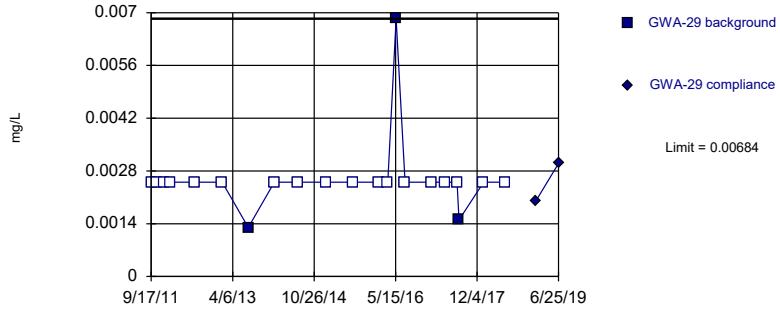
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

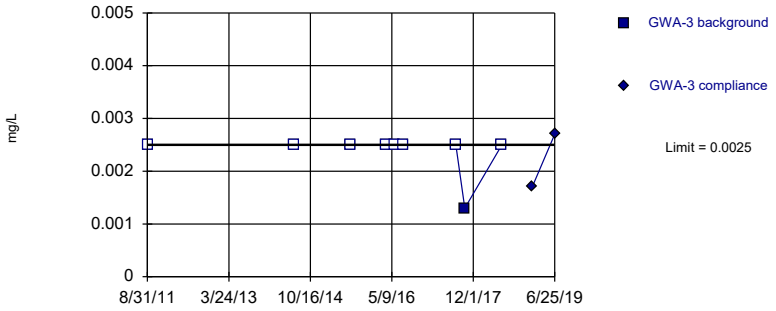
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Chromium

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. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

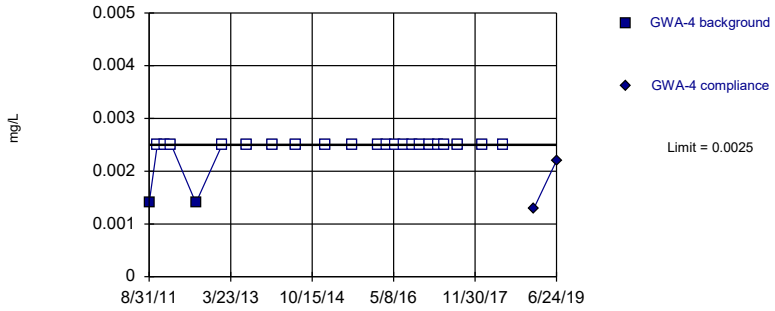
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:51 AM View: State Intrawell PL

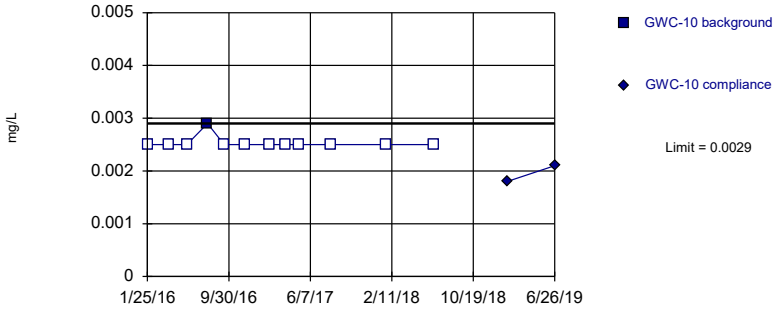
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

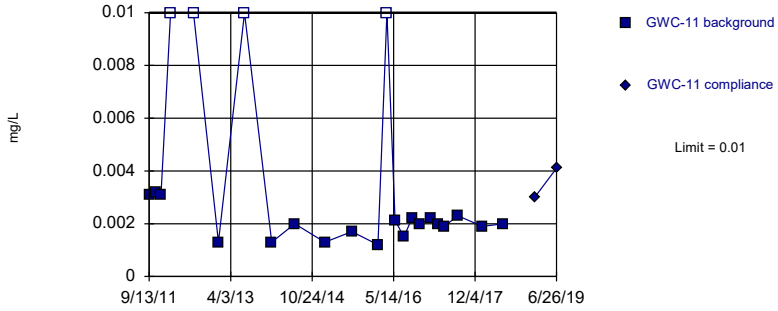
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 17.39% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

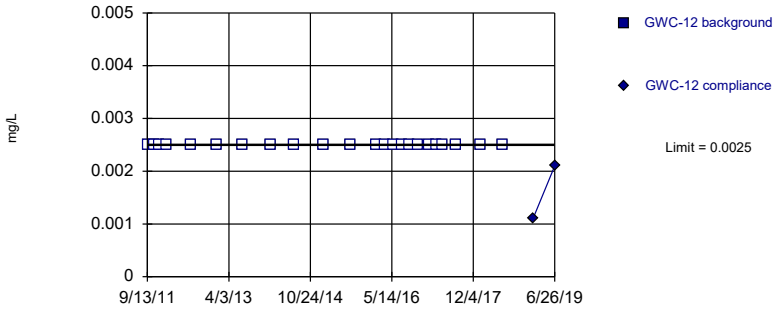
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

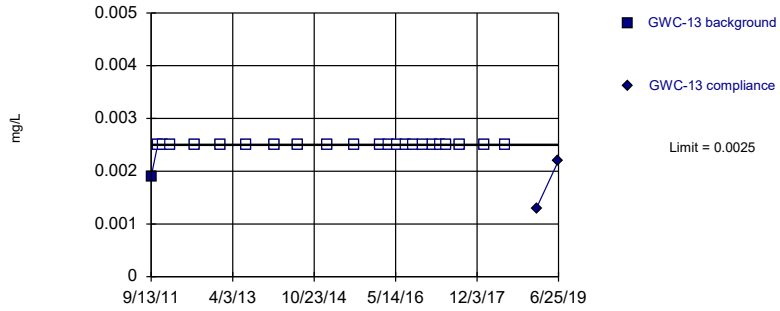
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

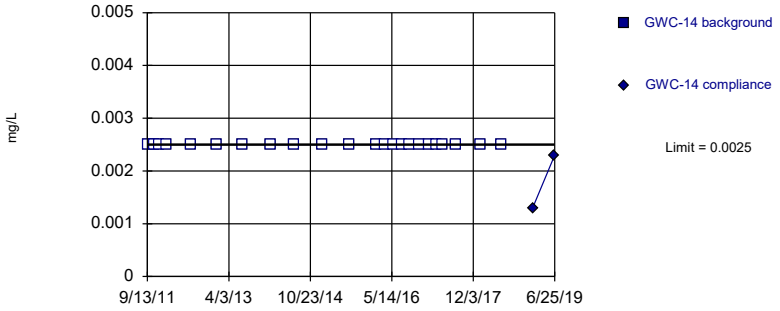
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

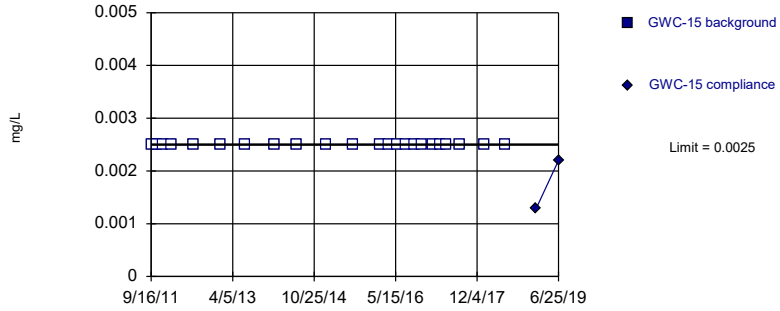
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

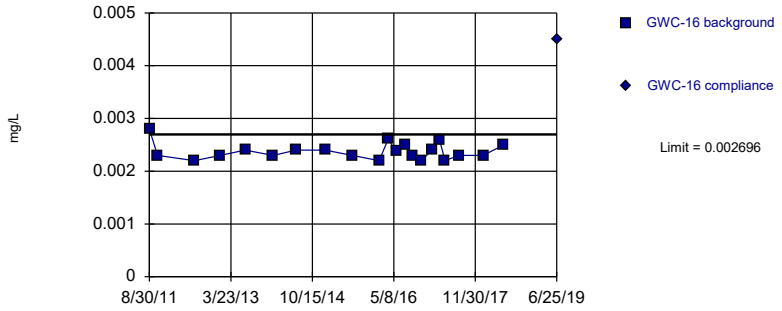
Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit

Chromium

Intrawell Parametric



Background Data Summary: Mean=0.002376, Std. Dev.=0.0001553, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8789, critical = 0.873. Kappa = 2.063 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

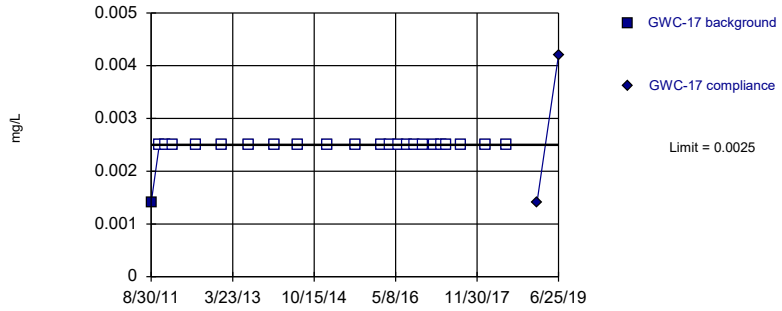
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Exceeds Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

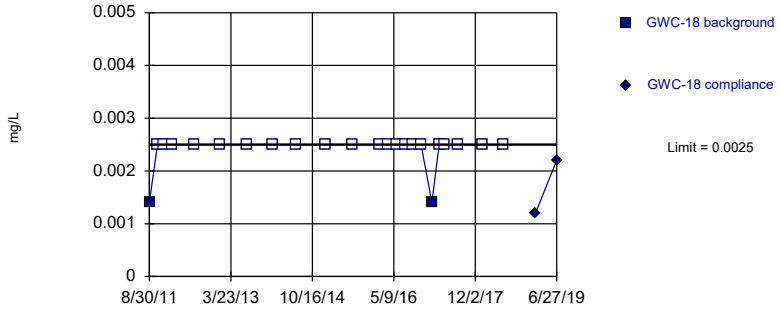
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

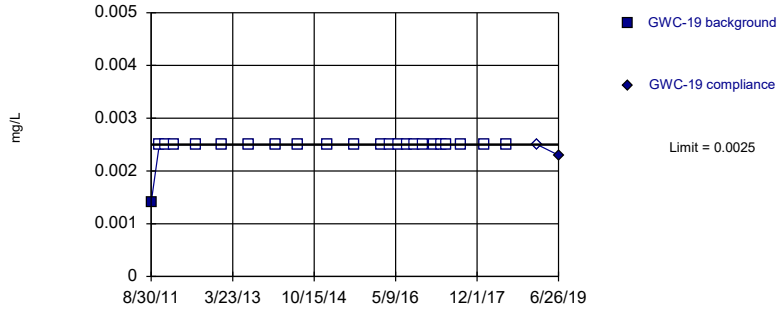
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

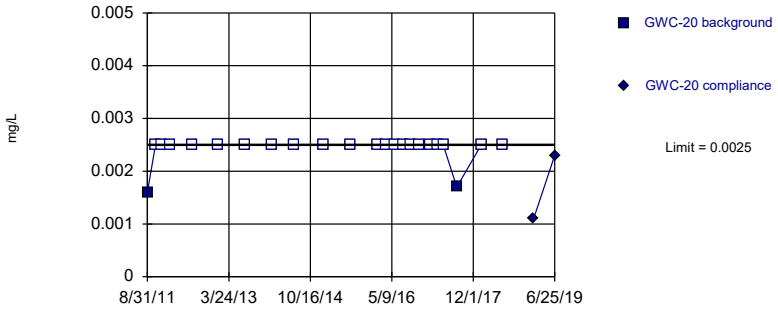
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

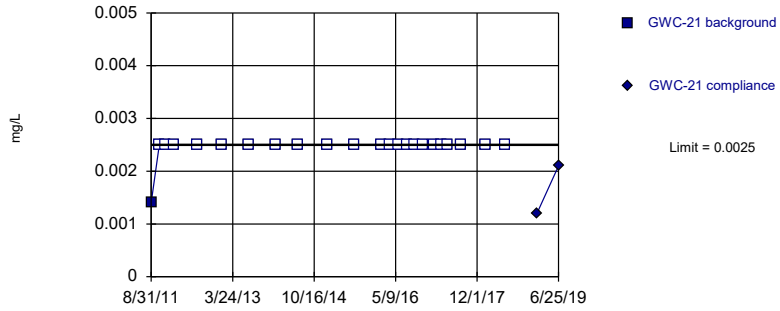
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

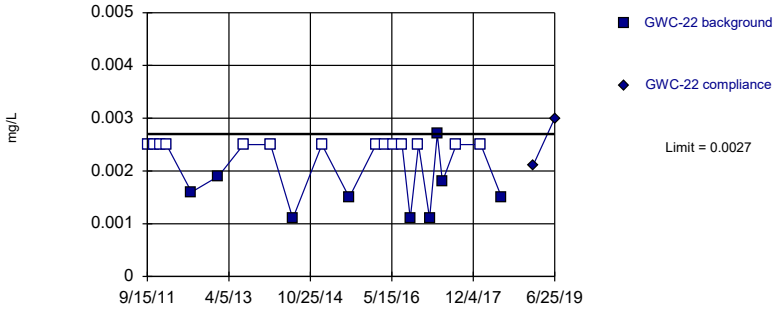
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

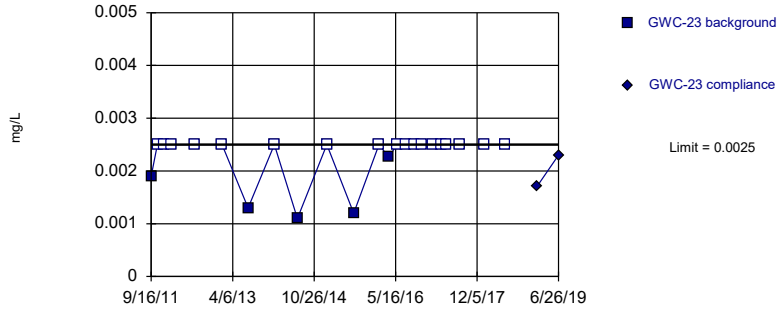
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

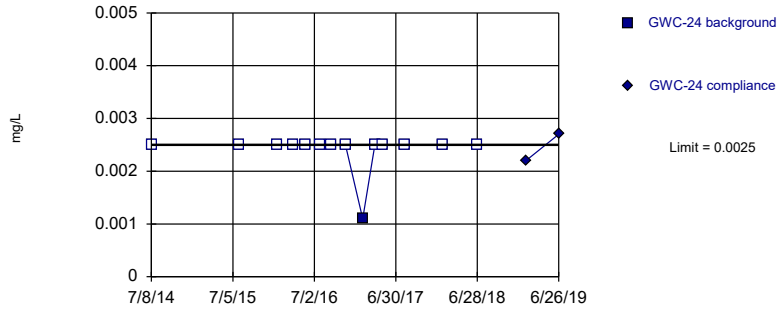
Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Exceeds Limit

Chromium

Intrawell Non-parametric



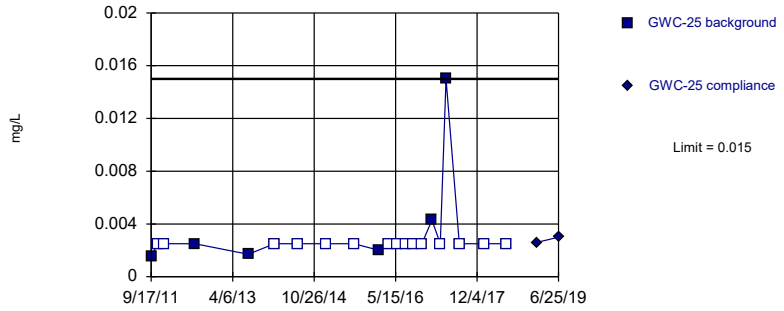
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Chromium

Intrawell Non-parametric



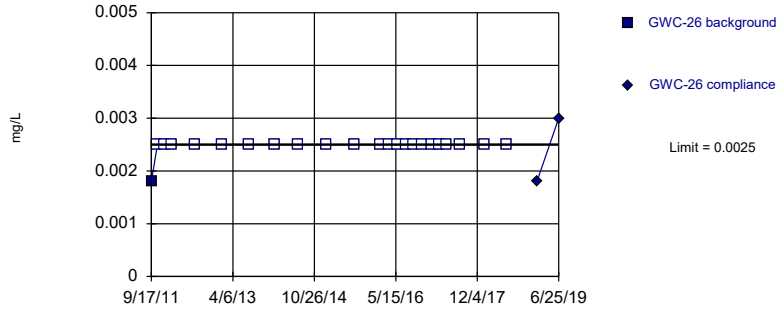
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Exceeds Limit

Chromium

Intrawell Non-parametric



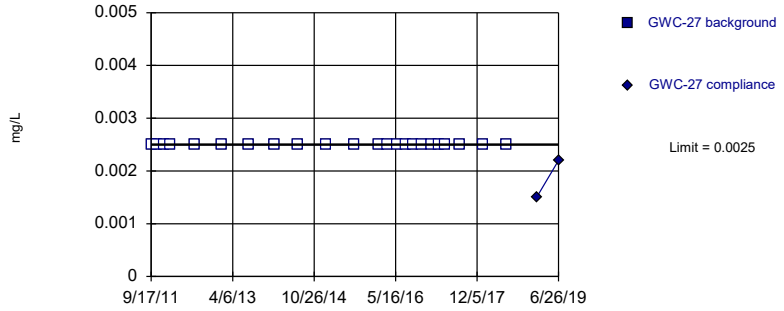
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

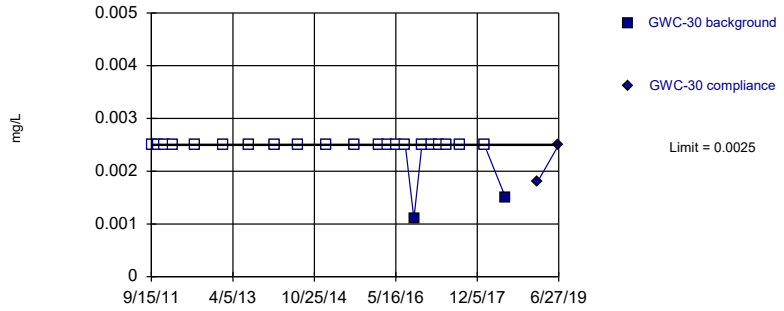
Prediction Limit Analysis Run 8/9/2019 10:52 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

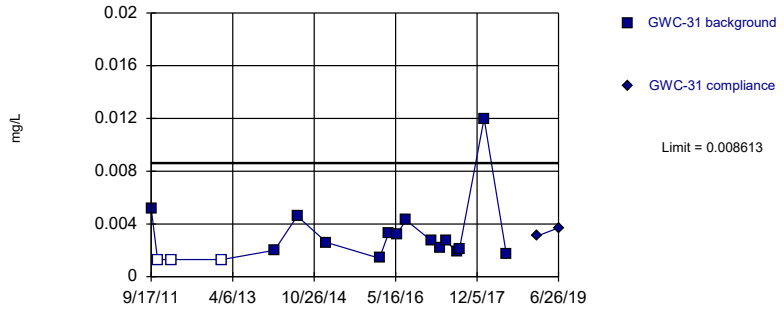
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Chromium

Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.991, Std. Dev.=0.575, n=18, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9177, critical = 0.858. Kappa = 2.15 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

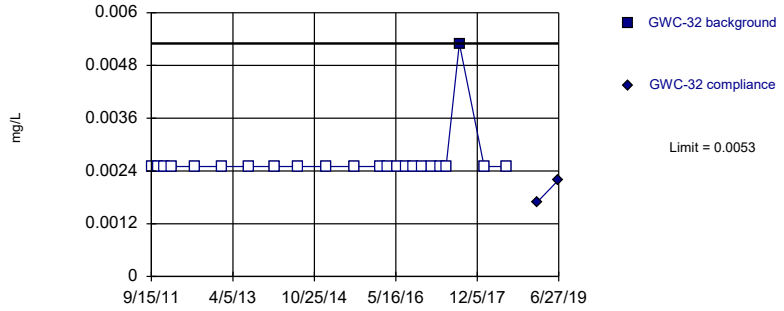
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

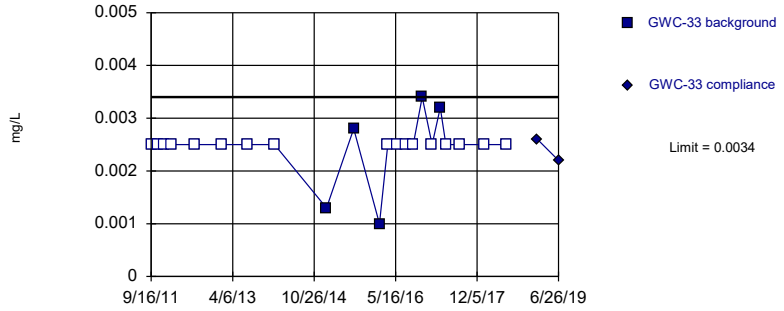
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

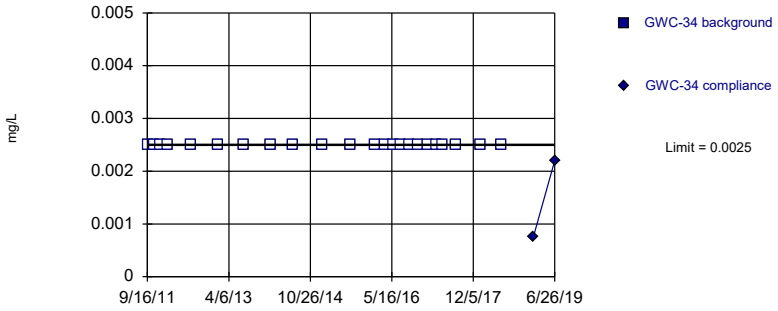
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

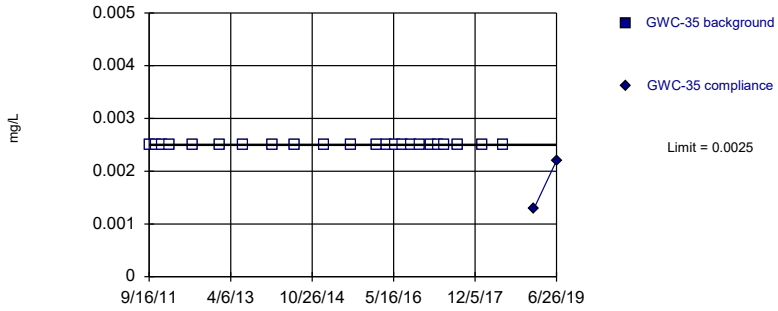
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

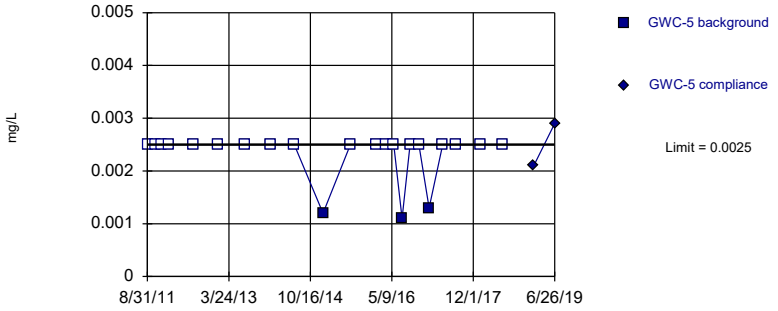
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Chromium

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 = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

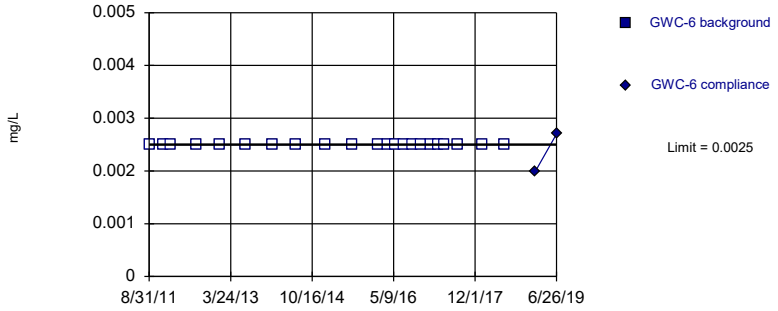
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Chromium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

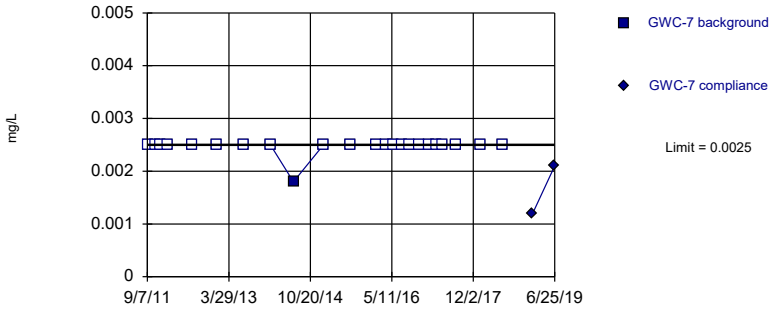
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

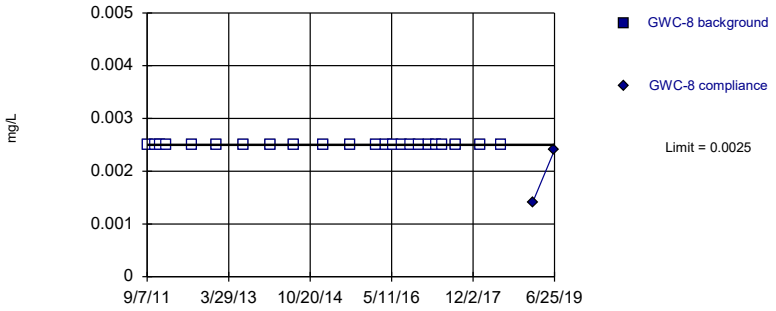
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

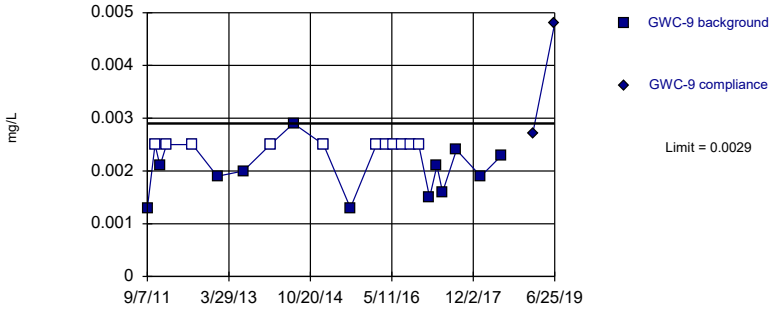
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Chromium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

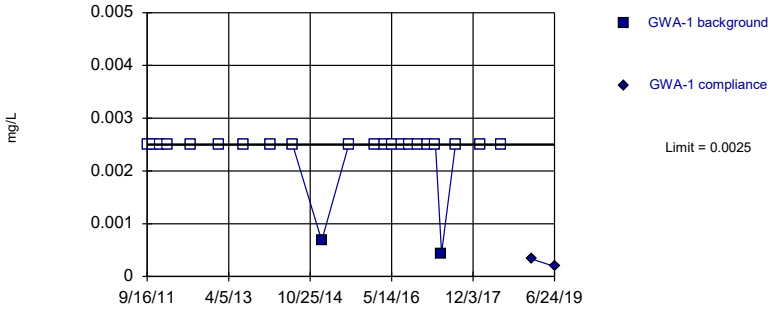
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Cobalt

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

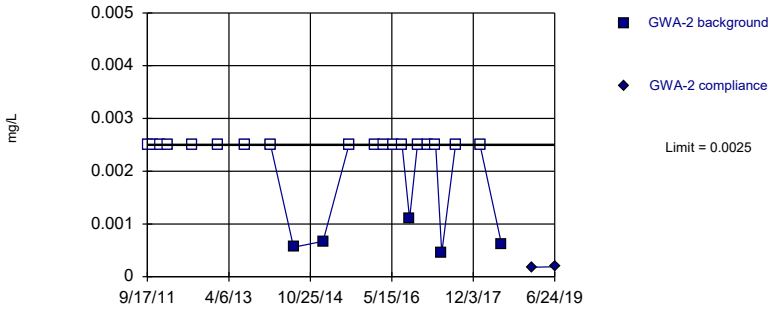
Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cobalt

Intrawell Non-parametric



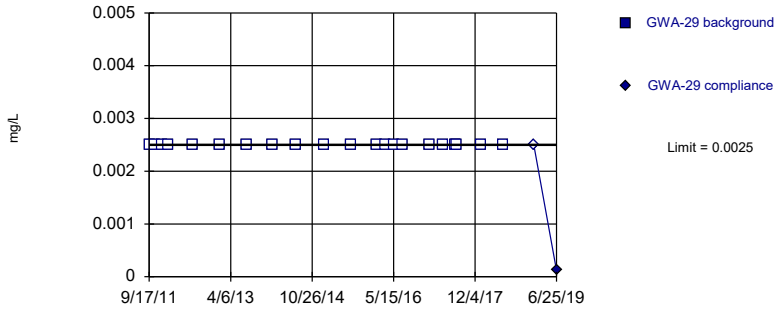
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cobalt

Intrawell Non-parametric



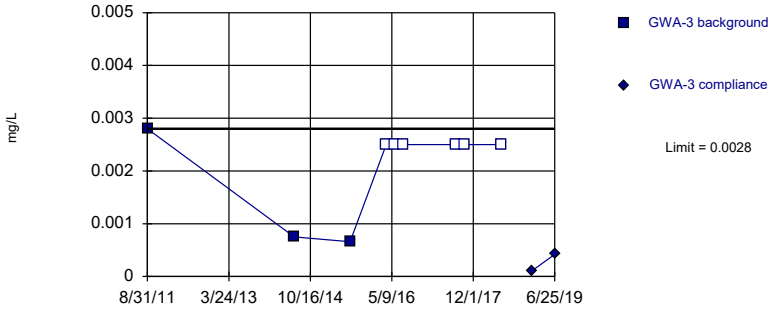
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 21) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cobalt

Intrawell Non-parametric



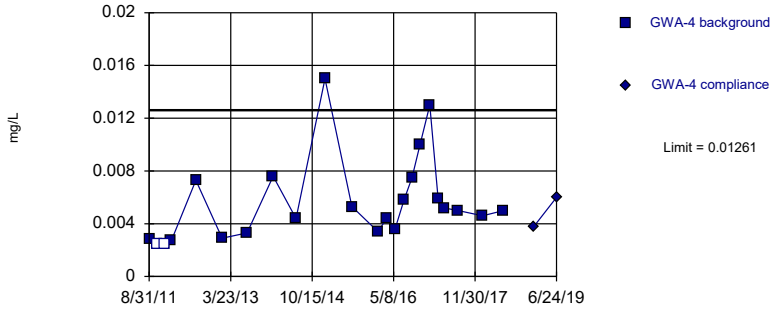
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cobalt

Intrawell Parametric



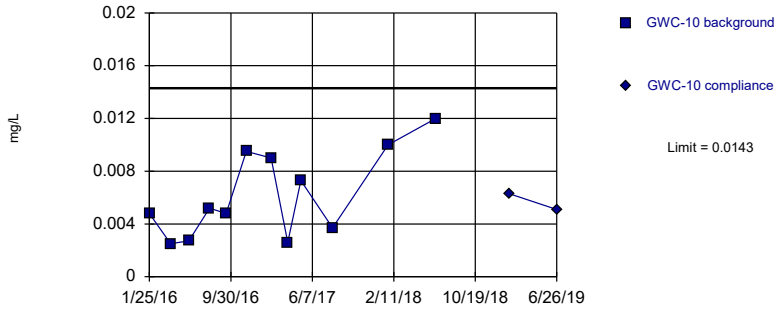
Background Data Summary (based on square root transformation): Mean=0.07262, Std. Dev.=0.01959, n=23, 8.696% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8982, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Cobalt

Intrawell Parametric



Background Data Summary: Mean=0.006177, Std. Dev.=0.003274, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9058, critical = 0.805. Kappa = 2.48 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

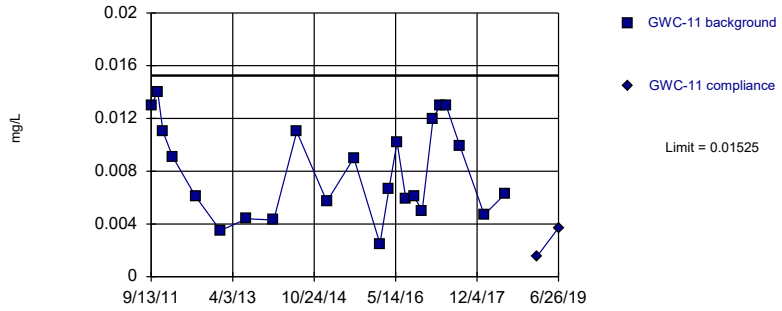
Prediction Limit Analysis Run 8/9/2019 10:53 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Cobalt

Intrawell Parametric



Background Data Summary: Mean=0.008102, Std. Dev.=0.00353, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9292, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL

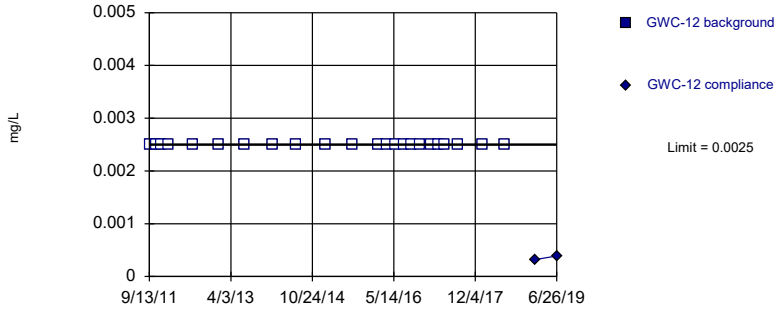
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Cobalt

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL

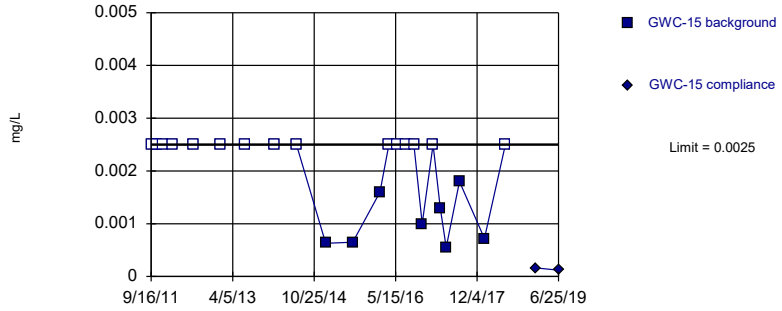
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Cobalt

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

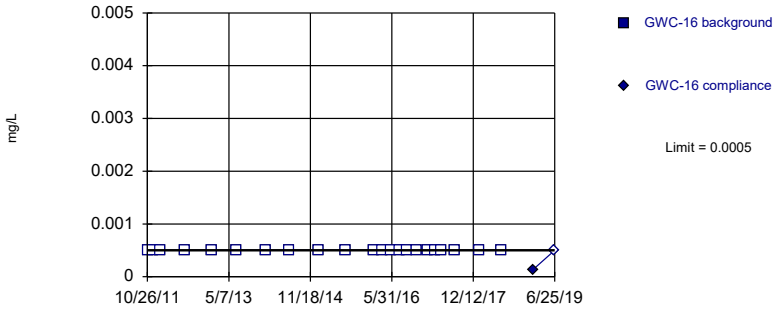
Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cobalt

Intrawell Non-parametric



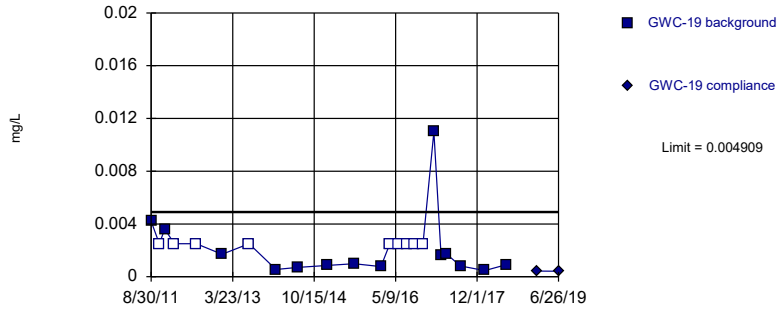
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 22) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cobalt

Intrawell Parametric



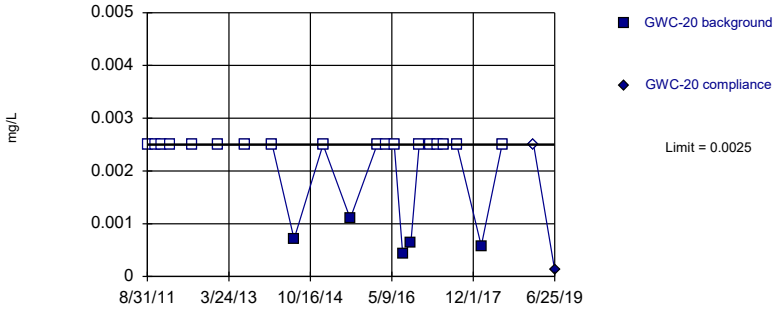
Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.817, Std. Dev.=0.7411, n=23, 39.13% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9238, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cobalt

Intrawell Non-parametric



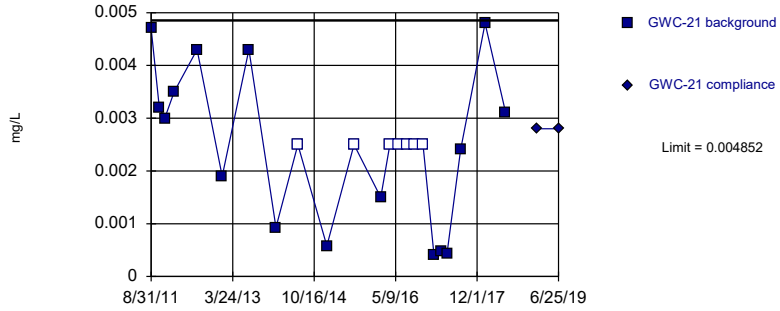
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Cobalt

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001925, Std. Dev.=0.001446, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.929, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

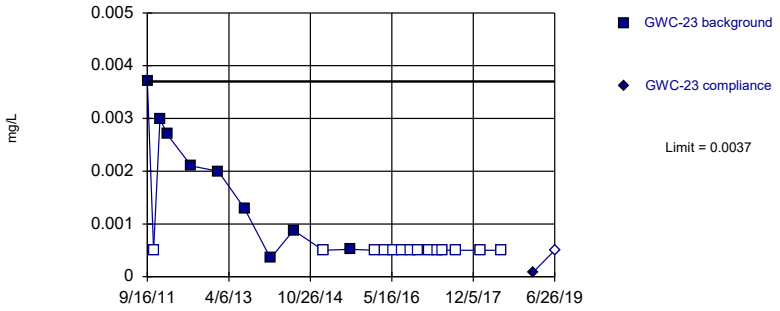
Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Cobalt

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL

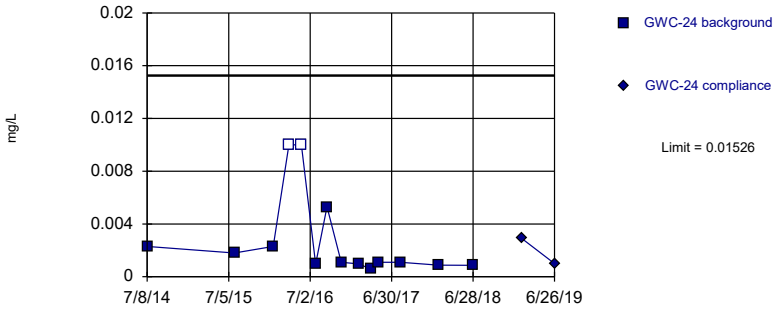
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Cobalt

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-6.342, Std. Dev.=0.9191, n=14, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8439, critical = 0.825. Kappa = 2.349 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL

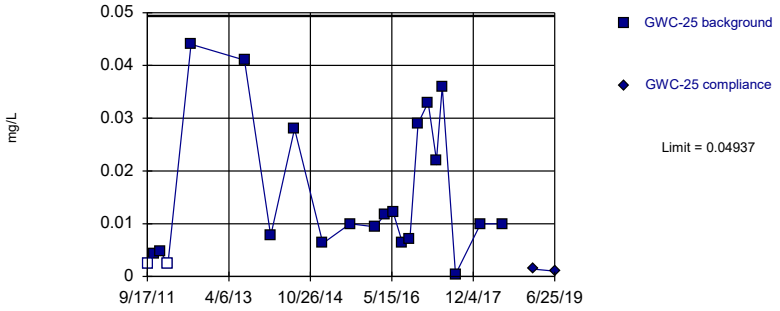
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Cobalt

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.1123, Std. Dev.=0.05377, n=22, 9.091% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9332, critical = 0.878. Kappa = 2.044 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL

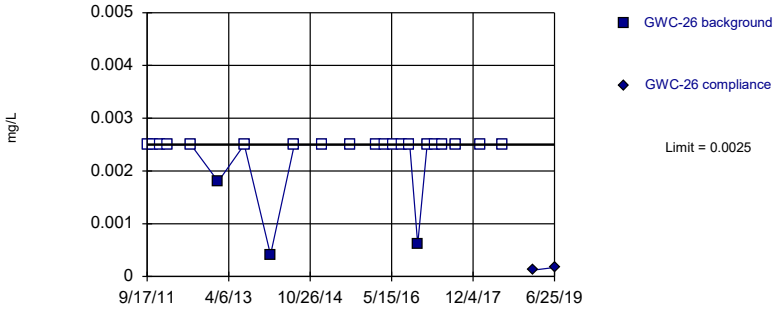
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Cobalt

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL

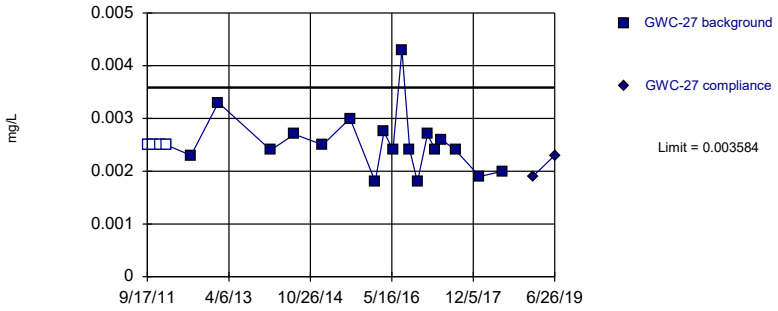
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Cobalt

Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1317, Std. Dev.=0.01042, n=22, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8811, critical = 0.878. Kappa = 2.044 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:54 AM View: State Intrawell PL

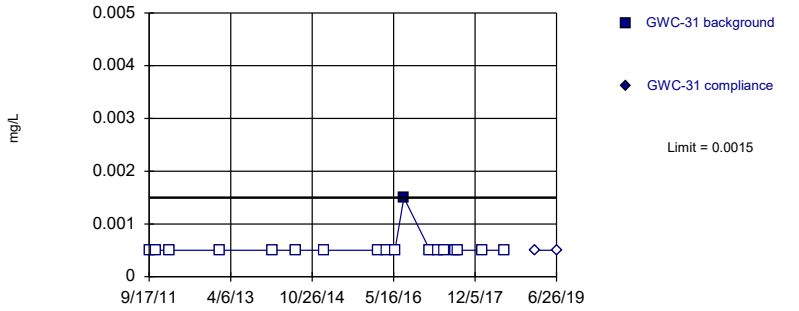
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Cobalt

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. 94.44% NDs. Well-constituent pair annual alpha = 0.001588. Individual comparison alpha = 0.0007943 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:55 AM View: State Intrawell PL

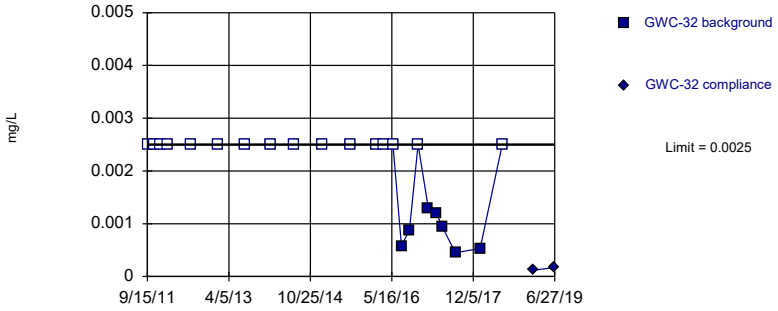
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Cobalt

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:55 AM View: State Intrawell PL

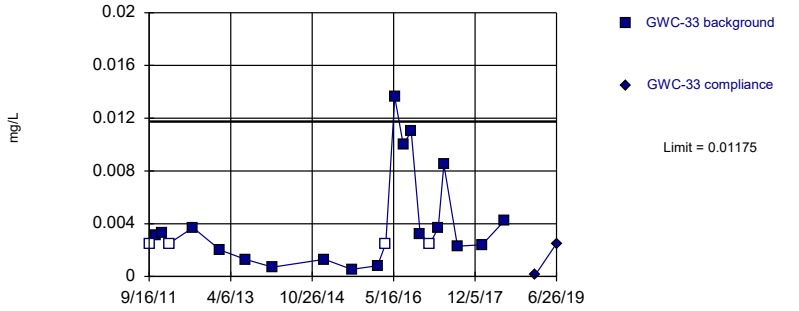
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Cobalt

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.05328, Std. Dev.=0.02697, n=22, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8812, critical = 0.878. Kappa = 2.044 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:55 AM View: State Intrawell PL

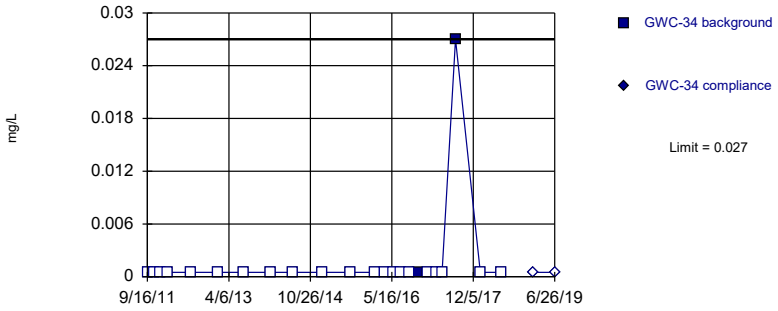
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Cobalt

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

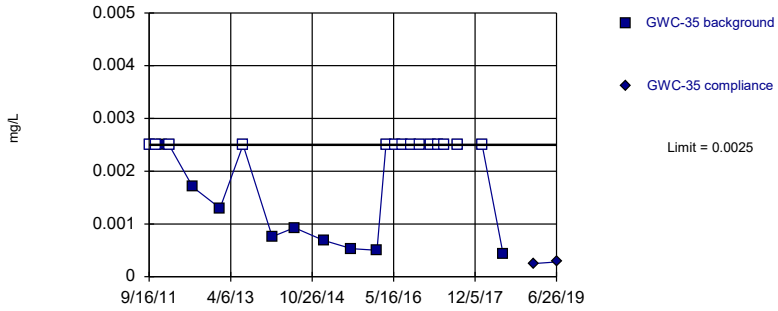
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Cobalt

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

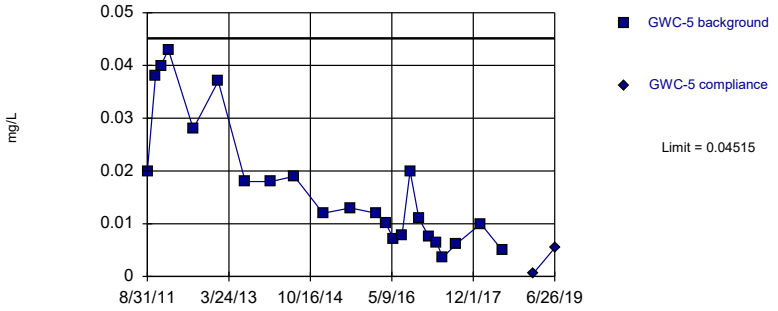
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

Within Limit

Cobalt

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.1233, Std. Dev.=0.04404, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9223, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

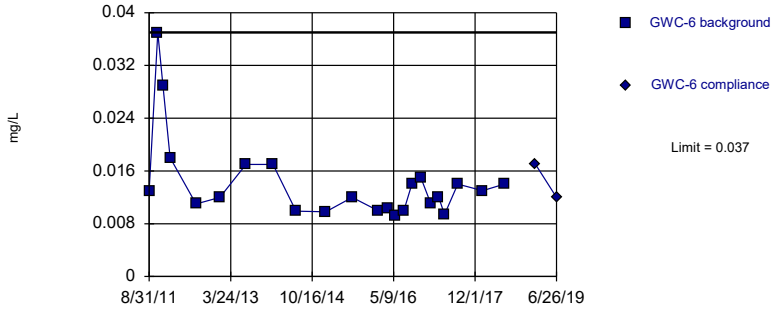
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

Within Limit

Cobalt

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

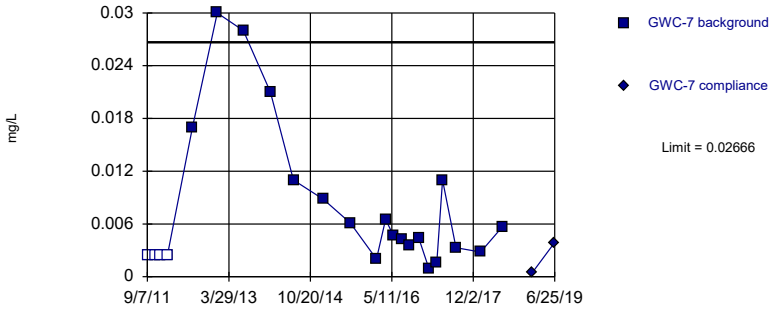
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Cobalt

Intrawell Parametric



Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1738, Std. Dev.=0.0617, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

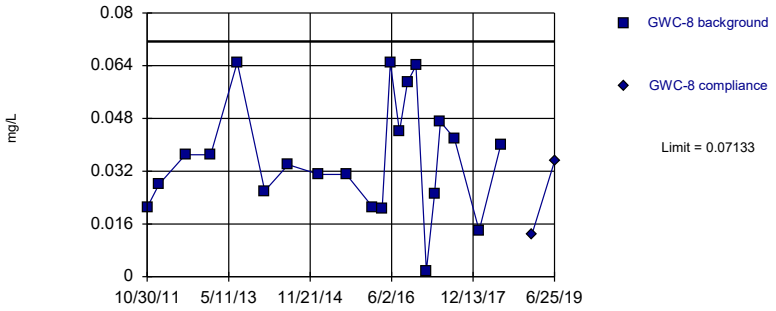
Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Cobalt

Intrawell Parametric



Background Data Summary: Mean=0.03588, Std. Dev.=0.01719, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9559, critical = 0.873. Kappa = 2.063 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

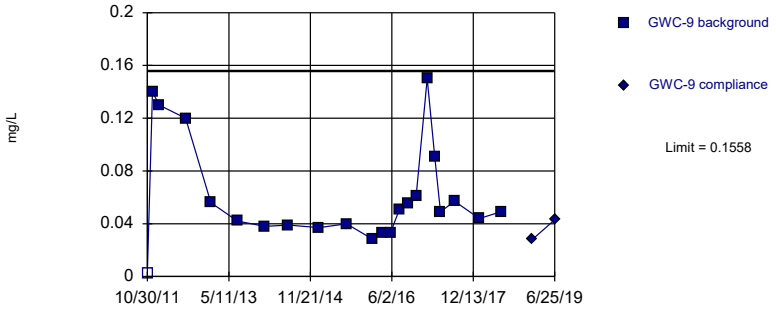
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Cobalt

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.2353, Std. Dev.=0.07802, n=22, 4.545% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8952, critical = 0.878. Kappa = 2.044 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

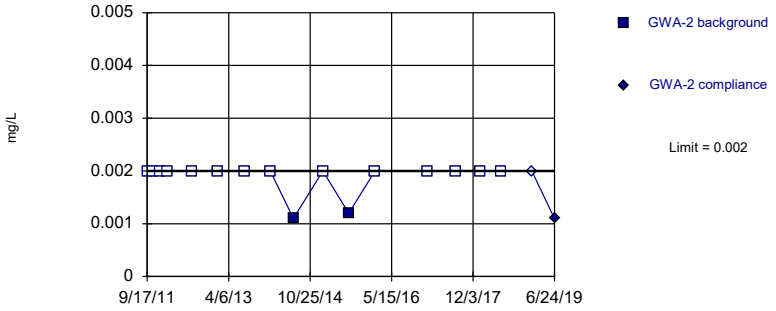
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

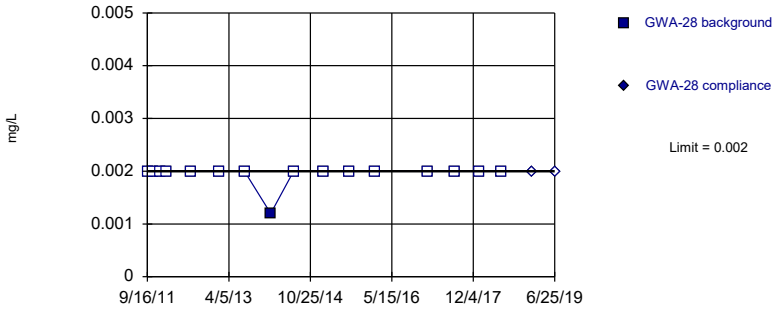
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

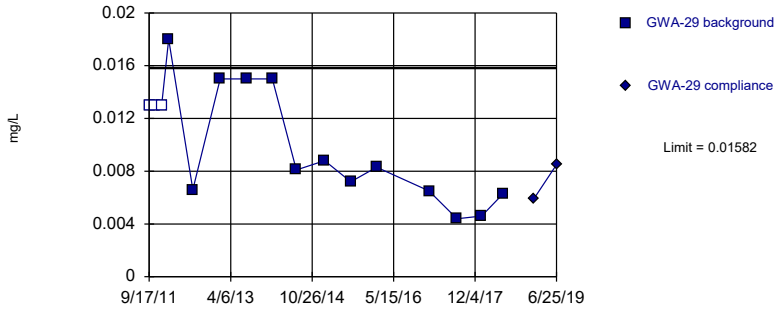
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.007974, Std. Dev.=0.003538, n=16, 18.75% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9107, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

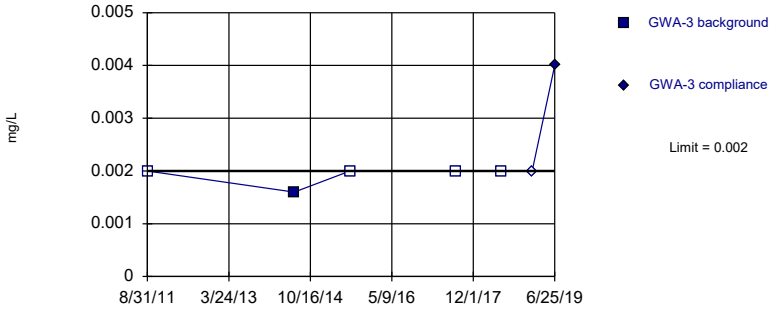
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 80% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

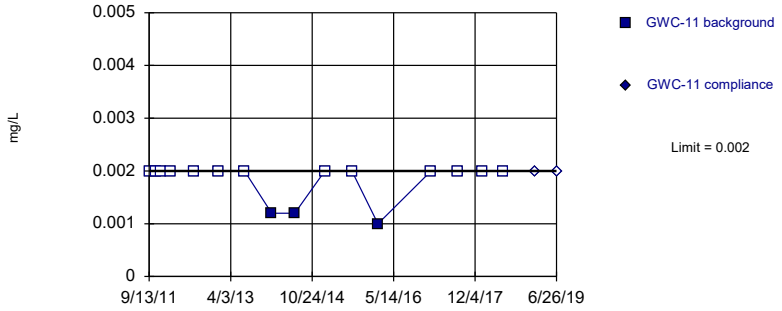
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

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 = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

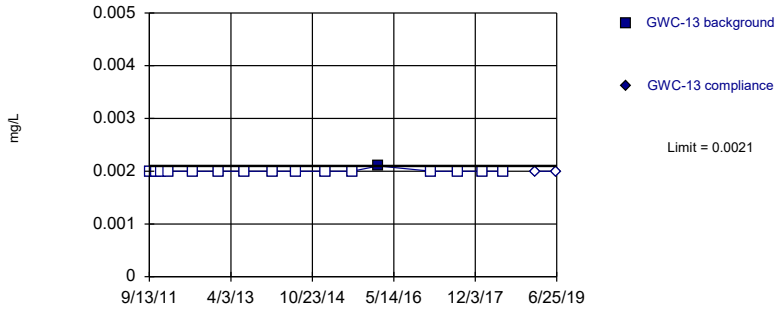
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

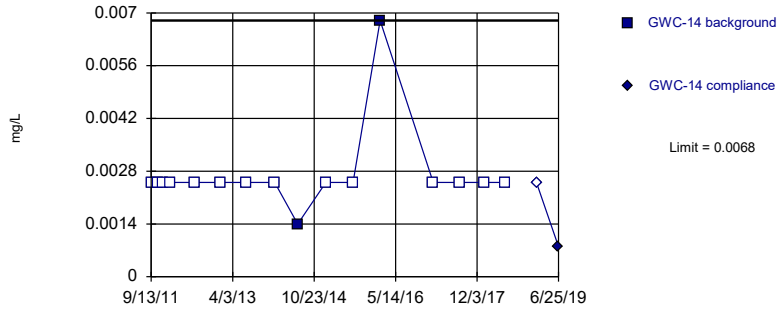
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

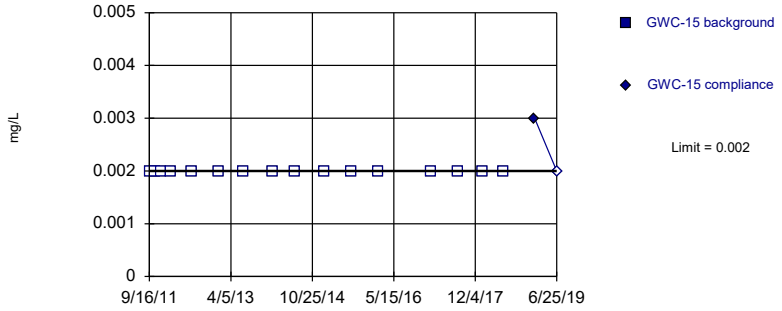
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

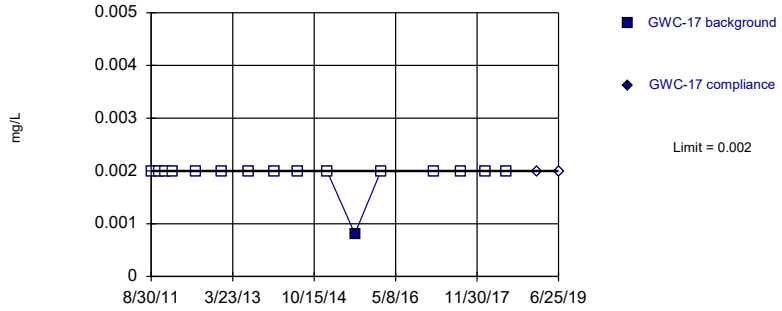
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

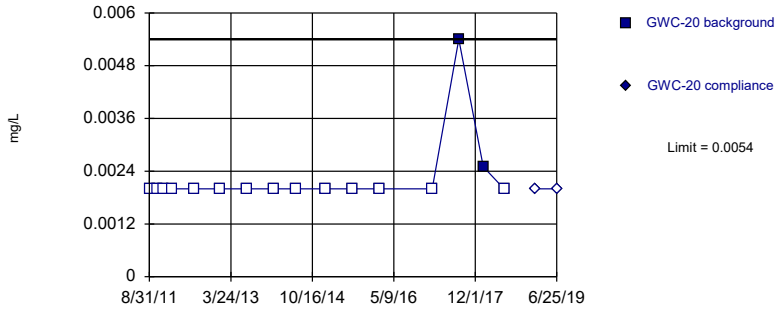
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

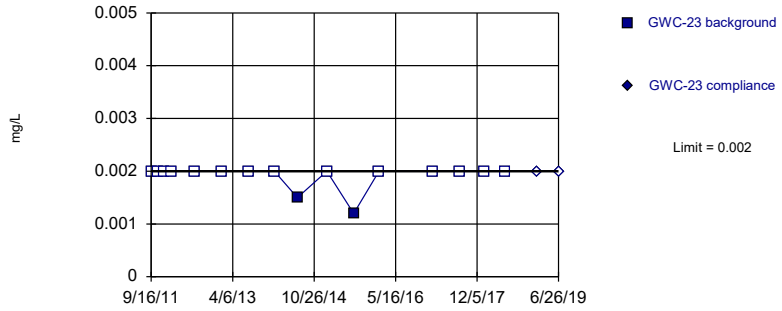
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:56 AM View: State Intrawell PL

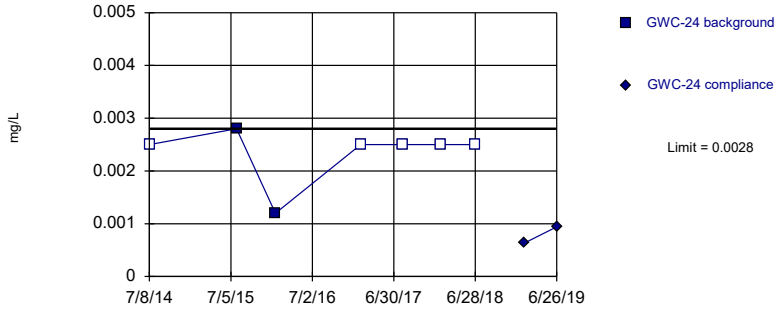
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

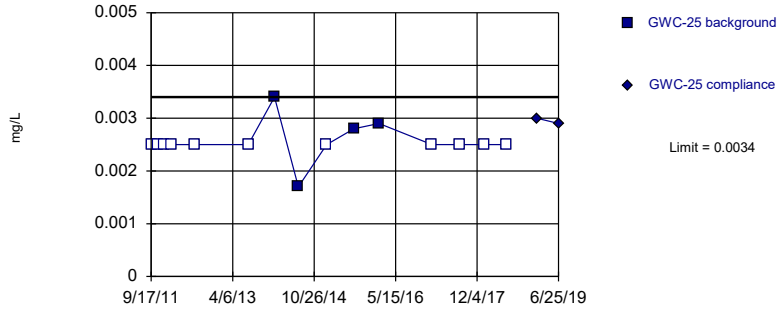
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

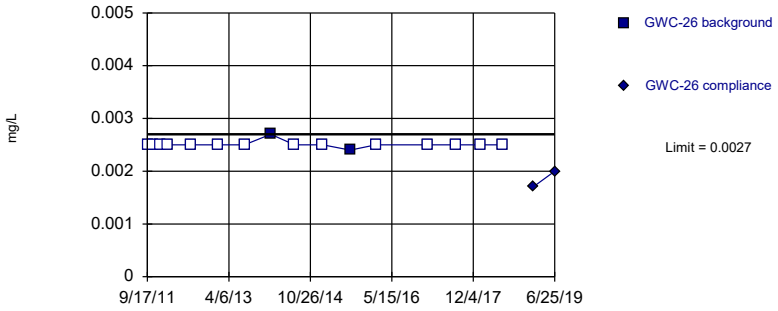
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

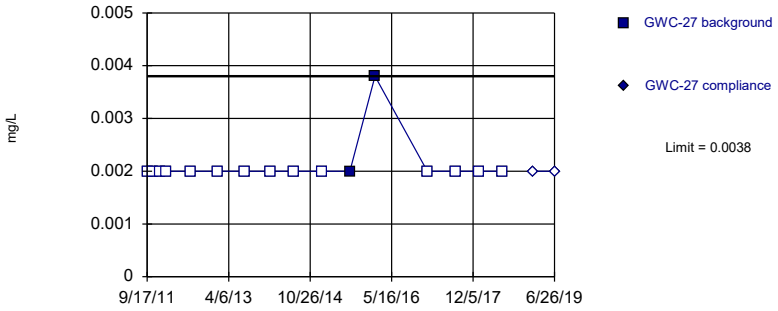
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

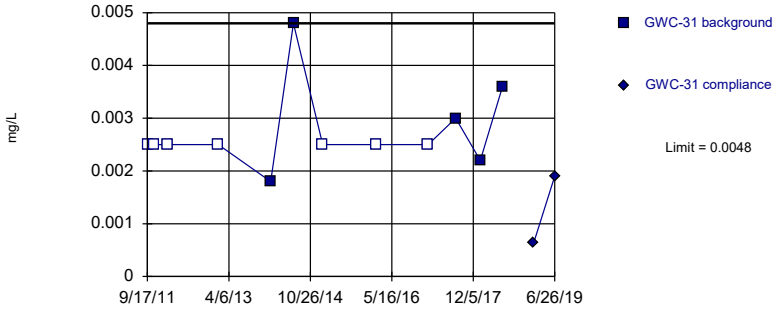
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

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. 58.33% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

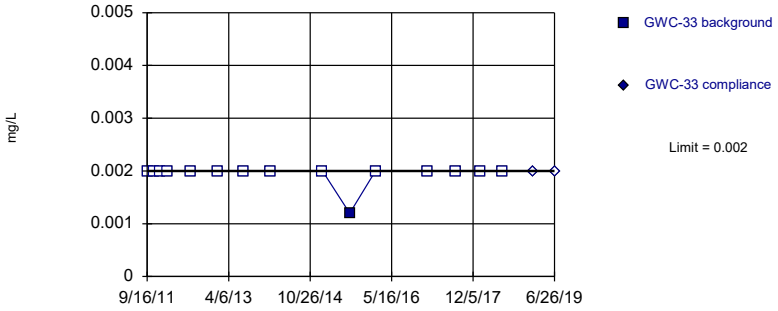
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

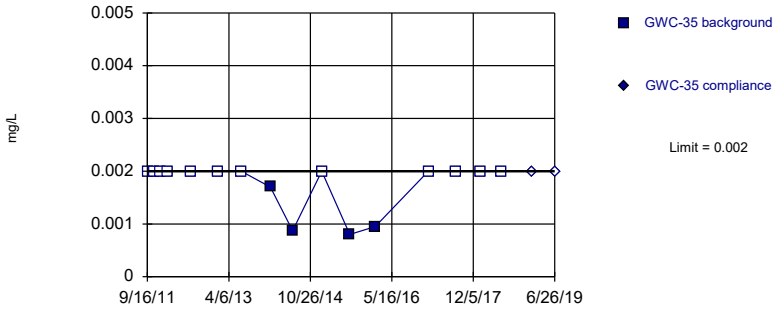
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

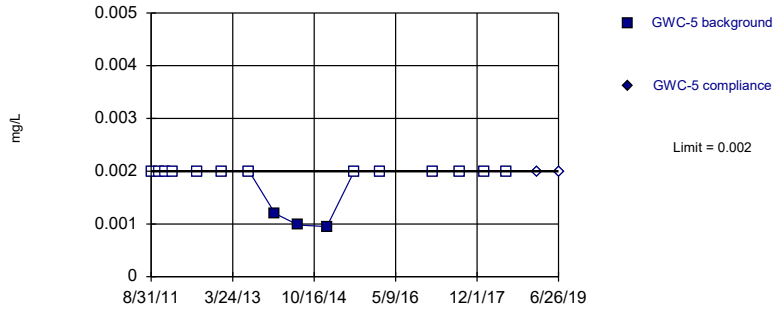
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

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 = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

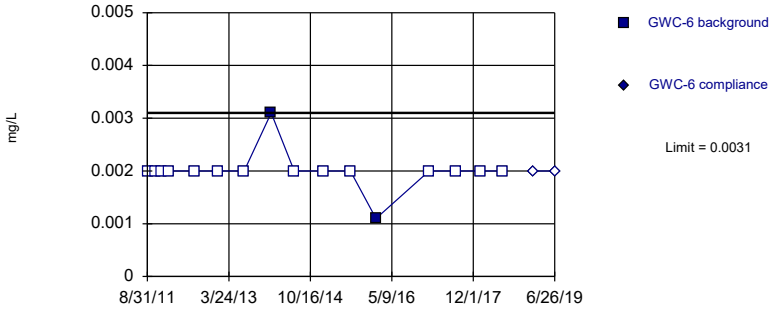
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

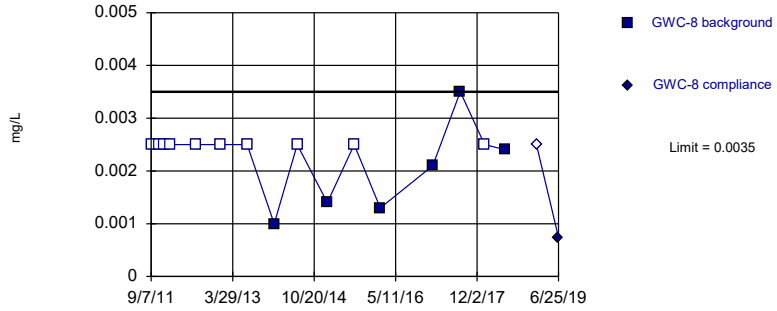
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Copper

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

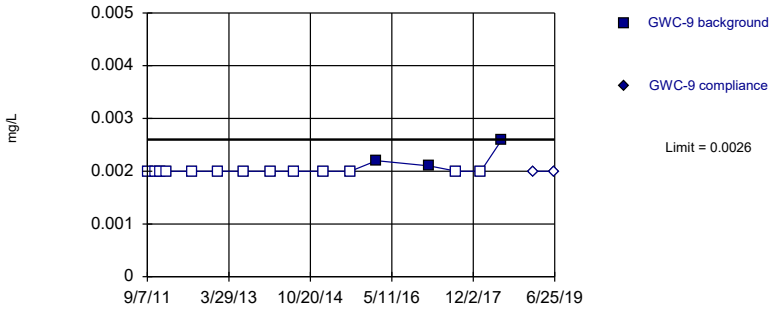
Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Copper

Intrawell Non-parametric



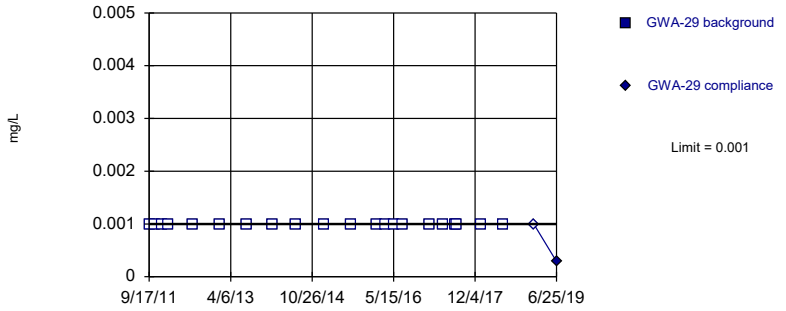
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Lead

Intrawell Non-parametric



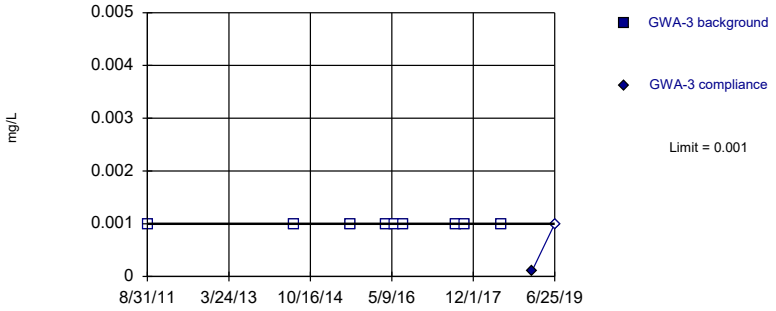
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 21) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Lead

Intrawell Non-parametric



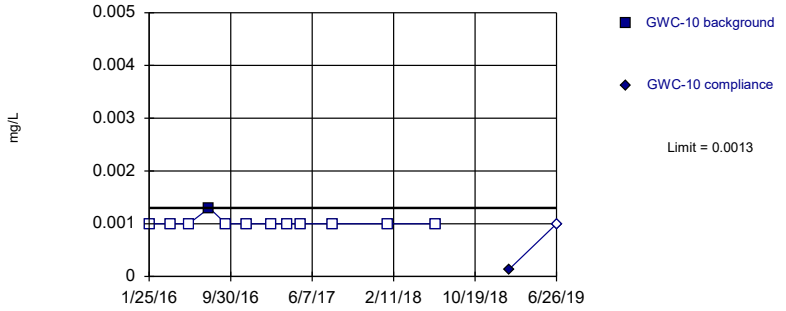
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 9) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Lead

Intrawell Non-parametric



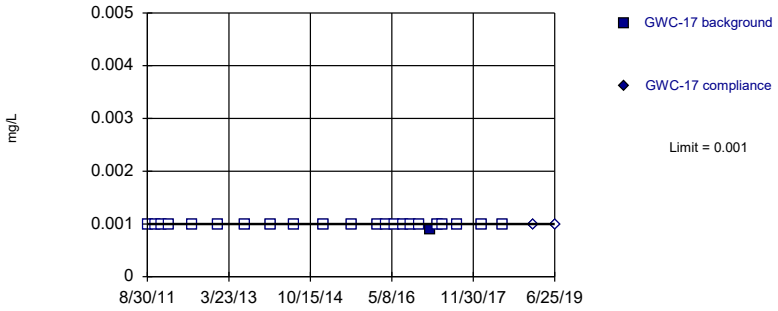
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Lead

Intrawell Non-parametric



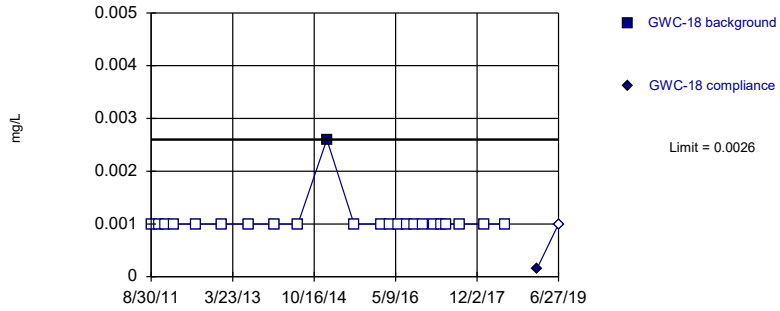
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Lead

Intrawell Non-parametric



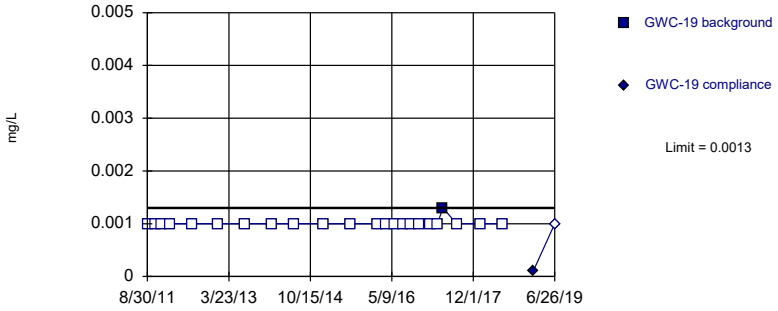
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Lead

Intrawell Non-parametric



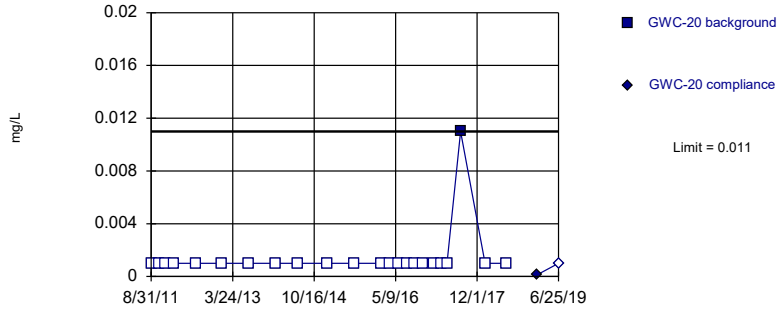
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Lead

Intrawell Non-parametric



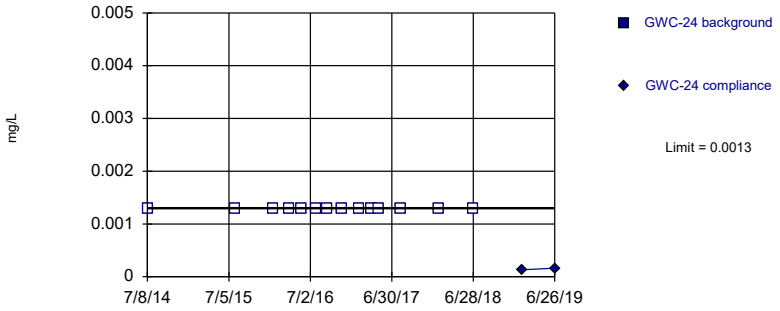
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Lead

Intrawell Non-parametric



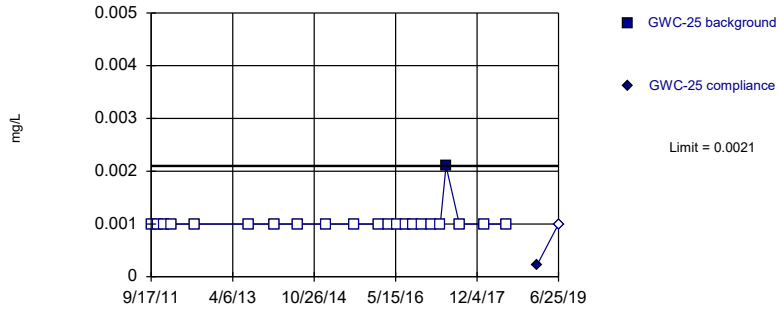
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 14) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Lead

Intrawell Non-parametric



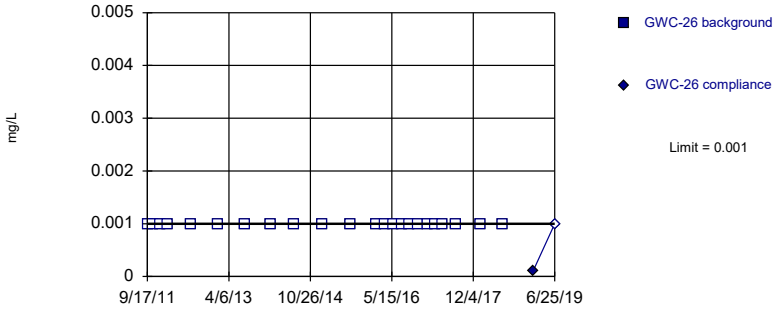
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Lead

Intrawell Non-parametric



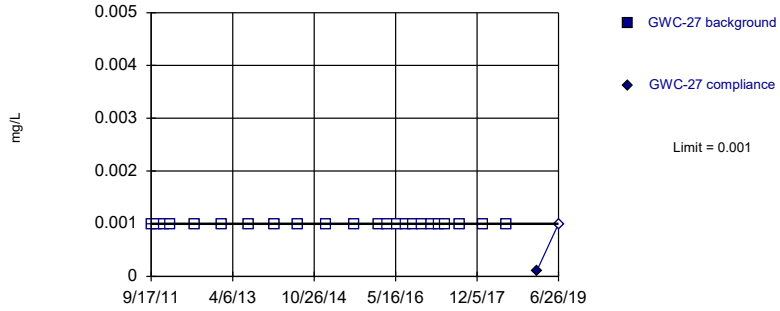
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Lead

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

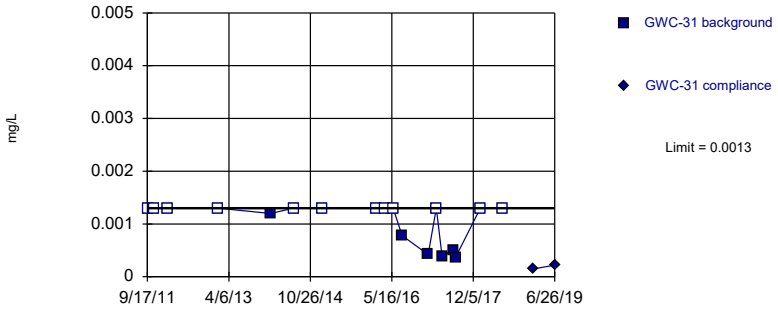
Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Lead

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.001588. Individual comparison alpha = 0.0007943 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

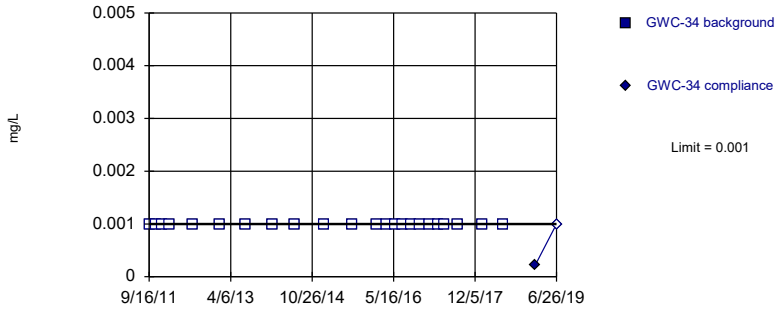
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Lead

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

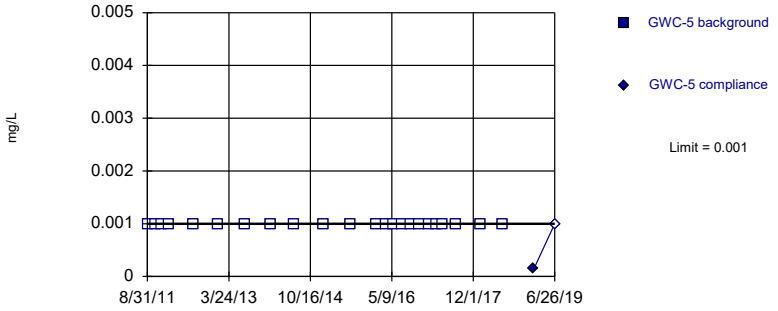
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Lead

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

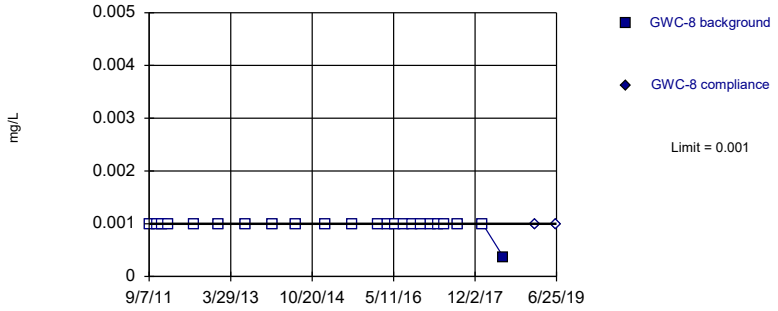
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Lead

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

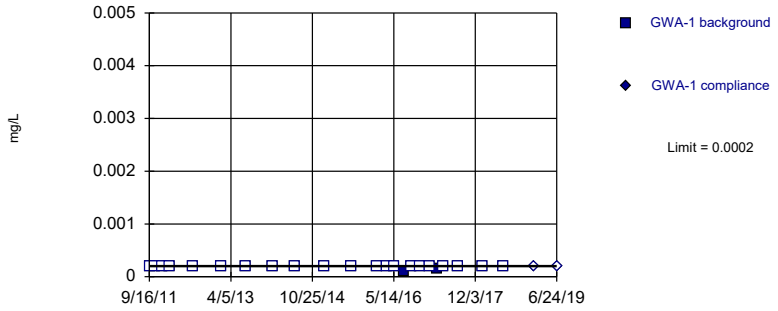
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

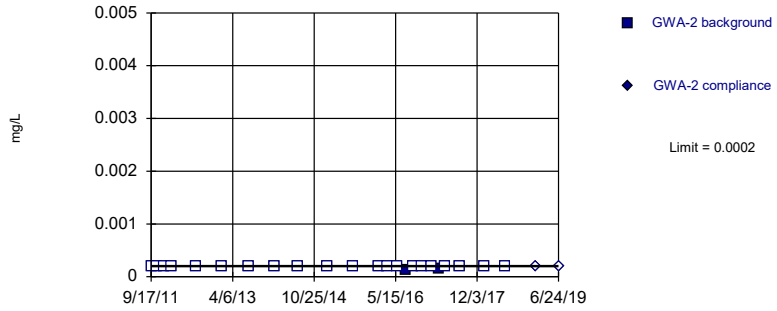
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:57 AM View: State Intrawell PL

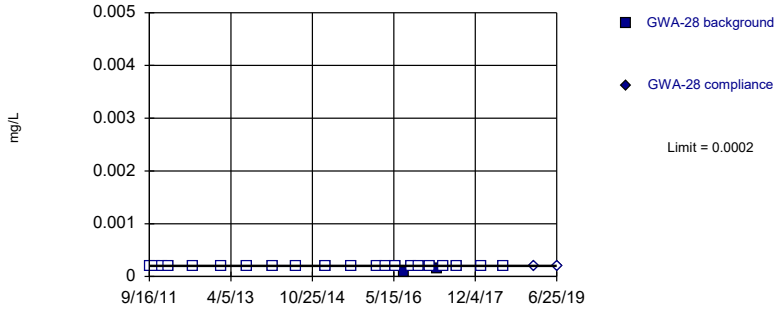
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

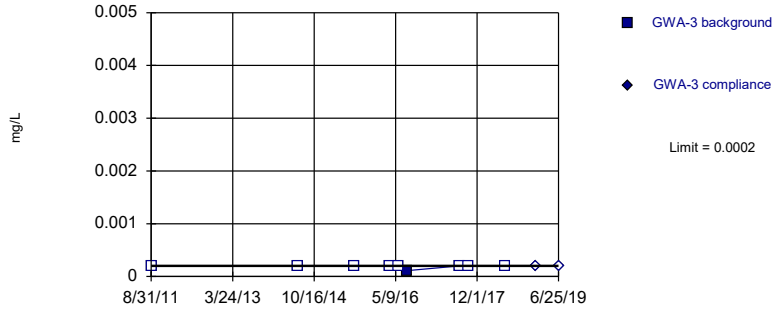
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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. 88.89% NDs. Well-constituent pair annual alpha = 0.009329. Individual comparison alpha = 0.004675 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

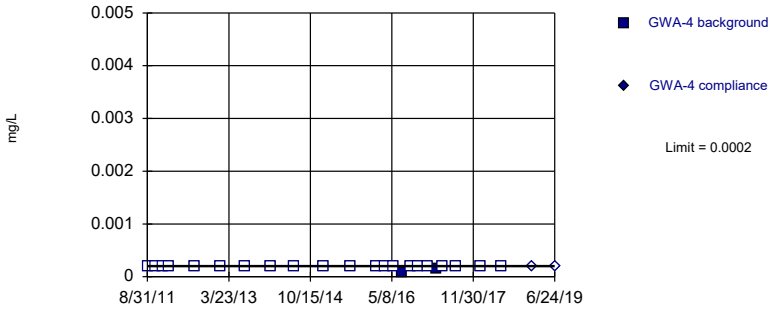
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

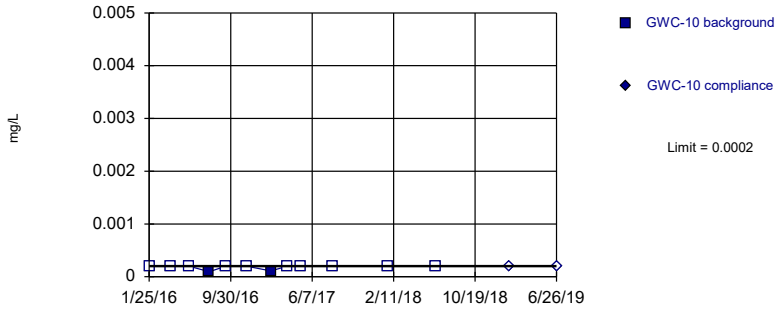
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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. 83.33% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

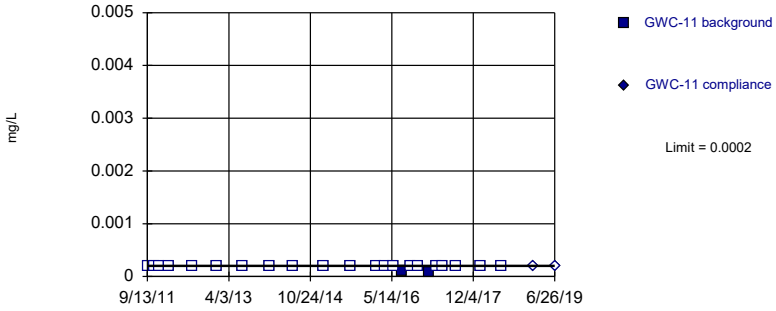
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

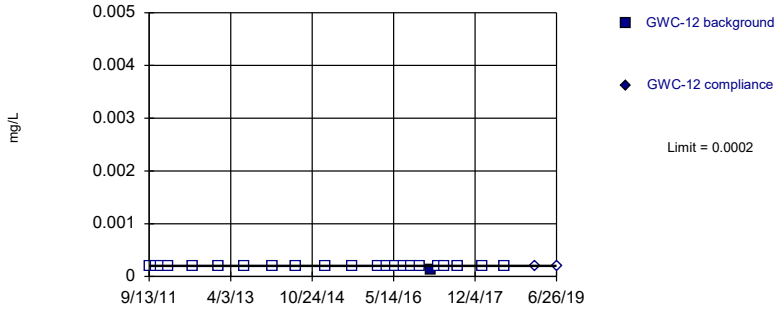
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

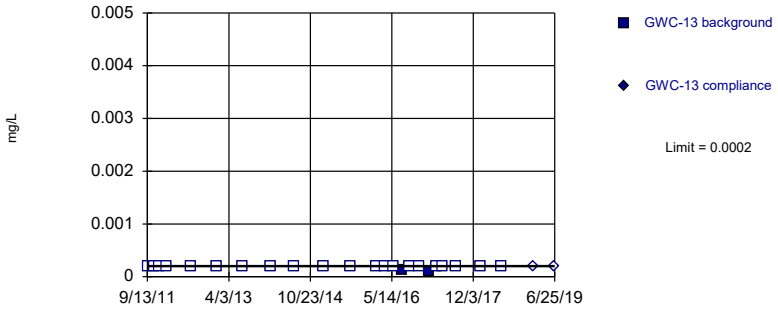
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

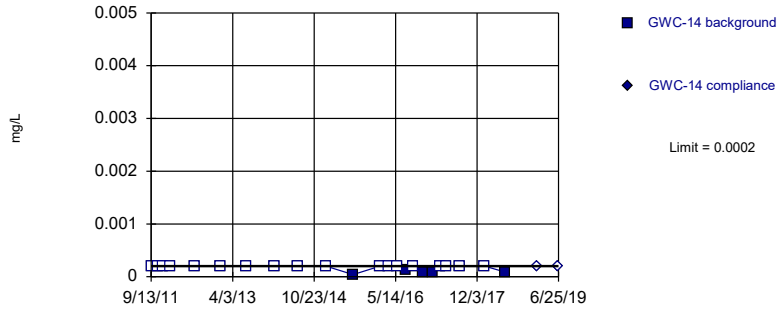
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

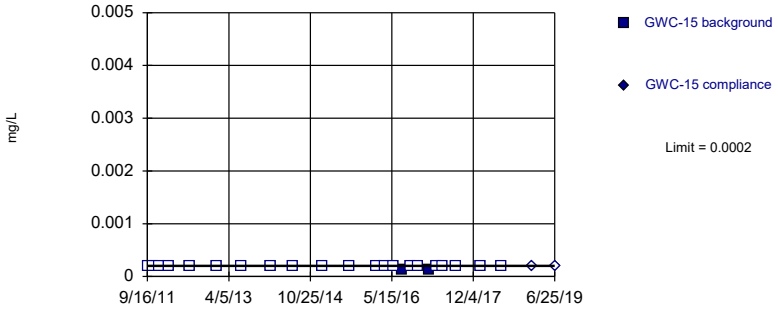
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

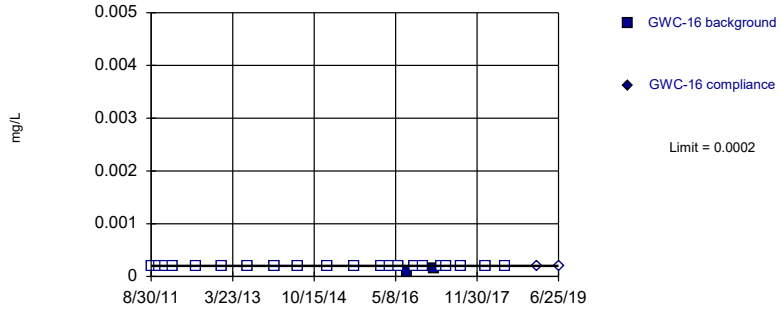
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

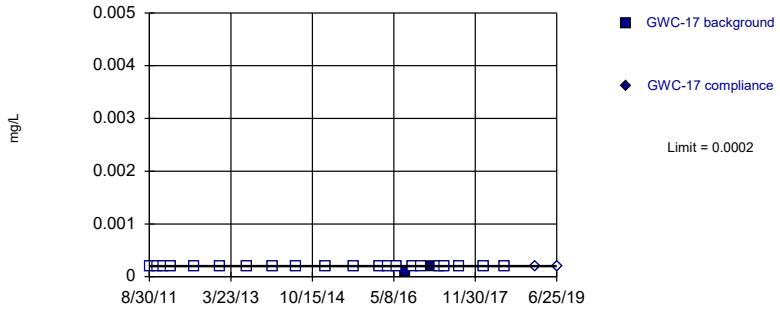
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

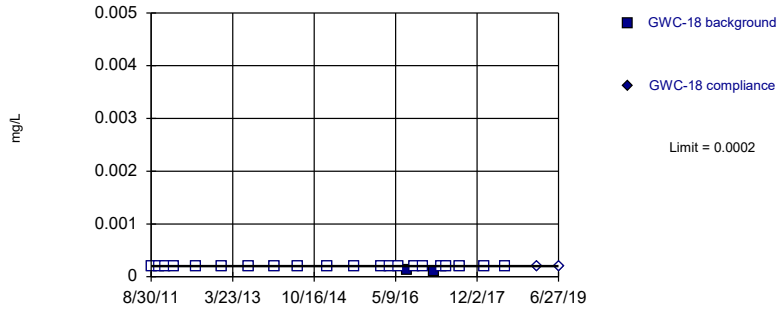
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

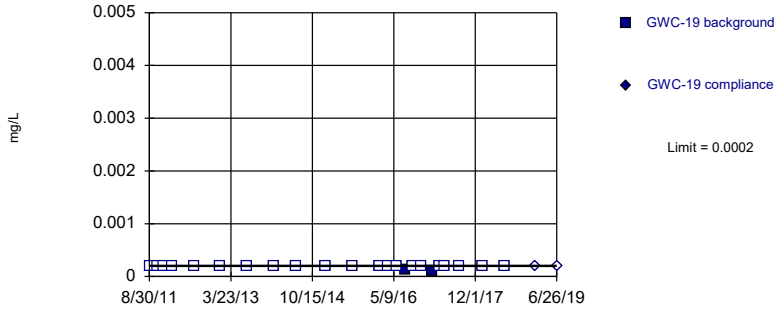
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

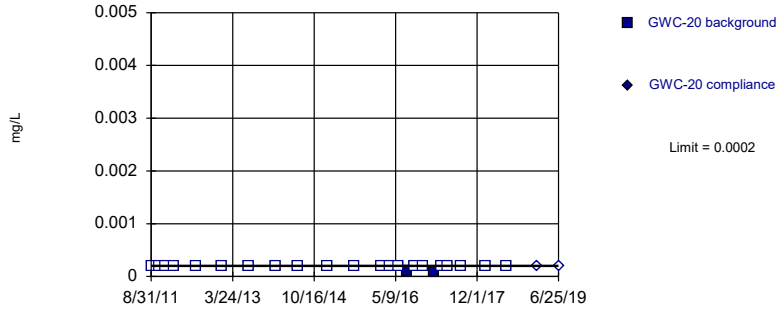
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

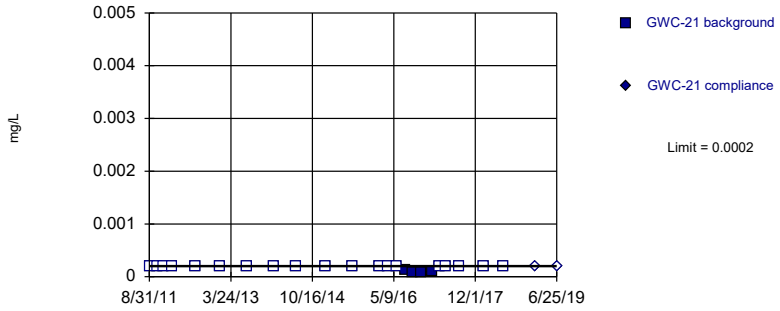
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

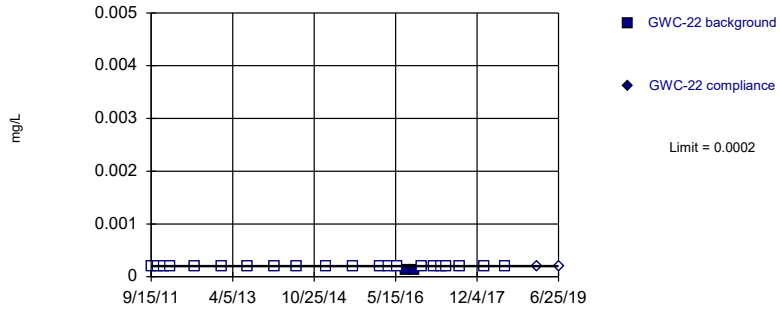
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

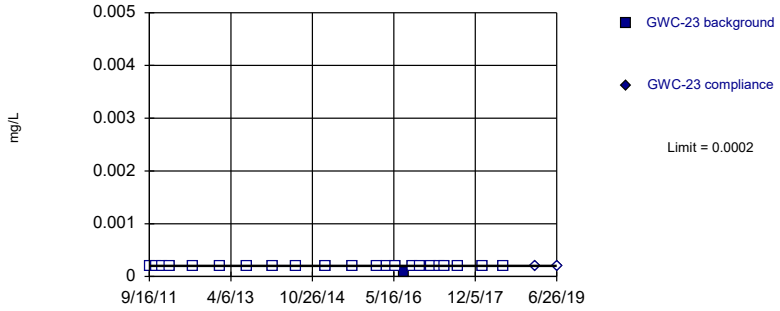
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

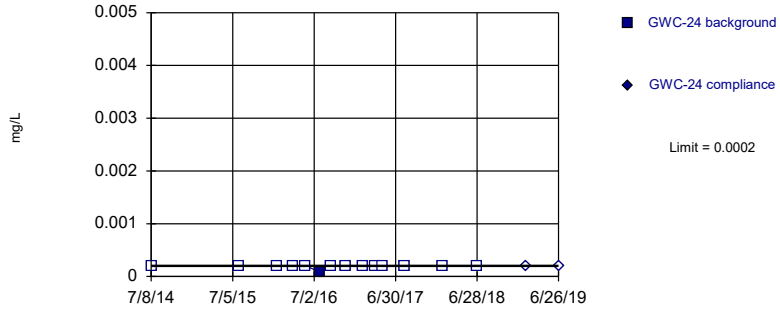
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:58 AM View: State Intrawell PL

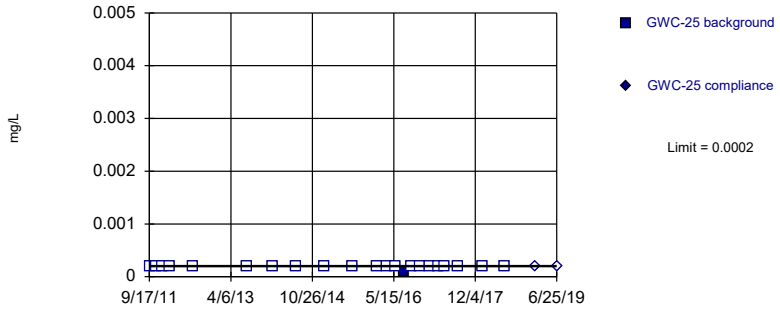
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

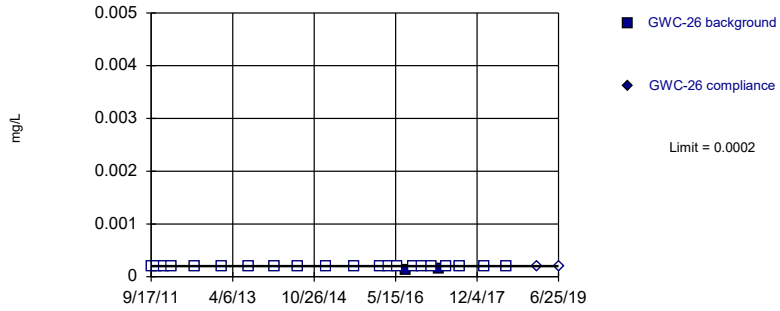
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

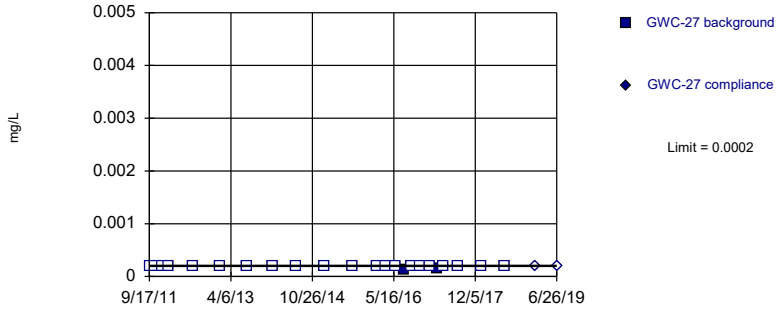
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

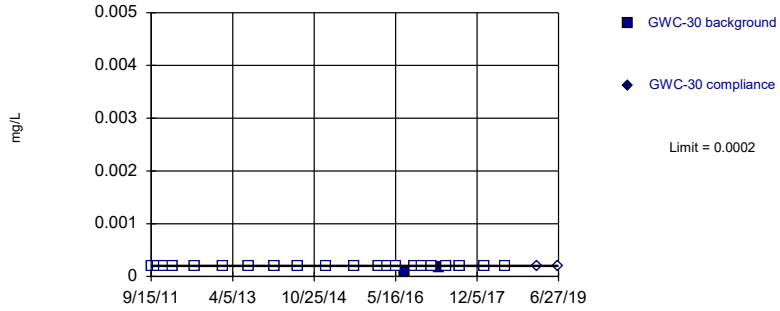
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

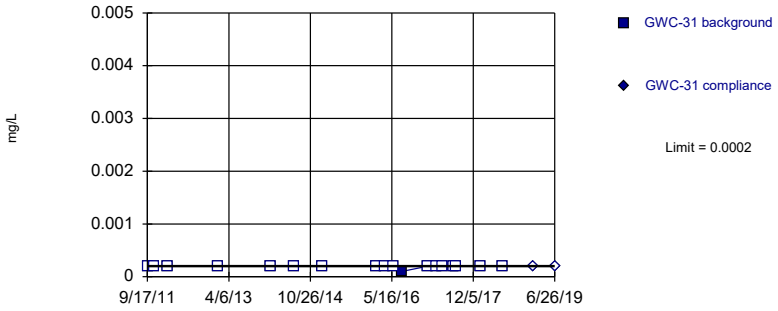
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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. 94.44% NDs. Well-constituent pair annual alpha = 0.001588. Individual comparison alpha = 0.0007943 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

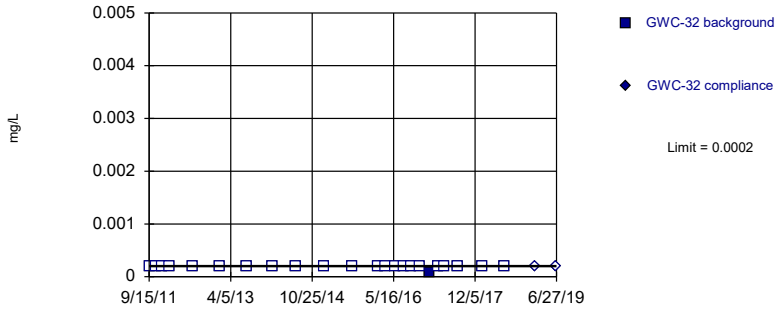
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

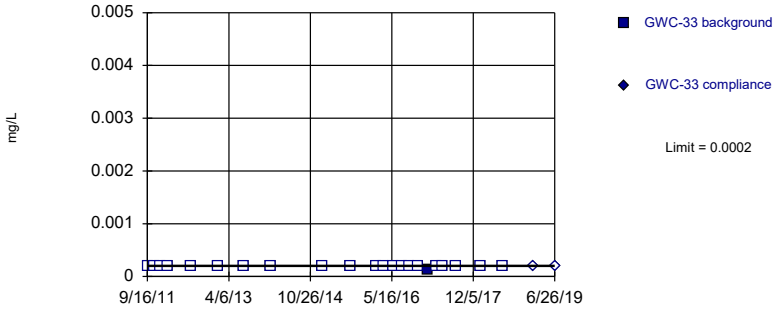
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

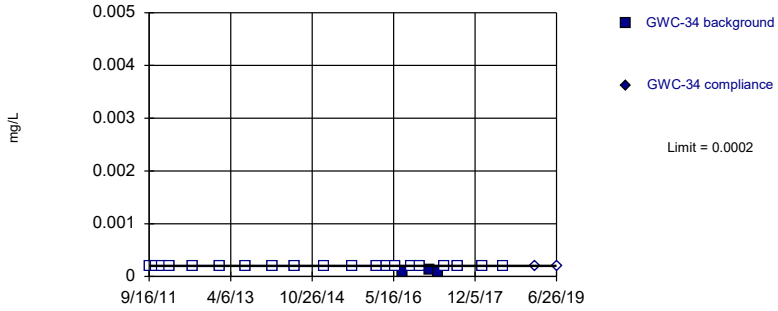
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

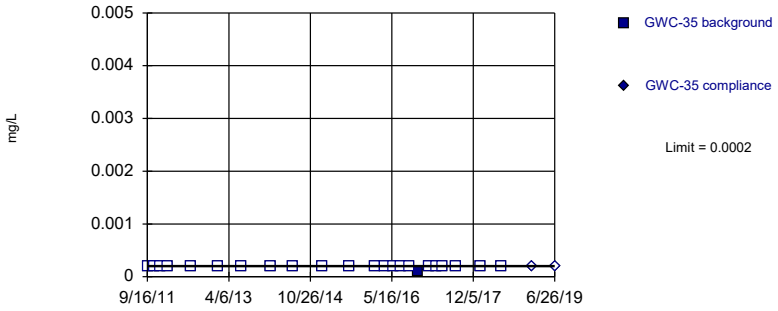
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

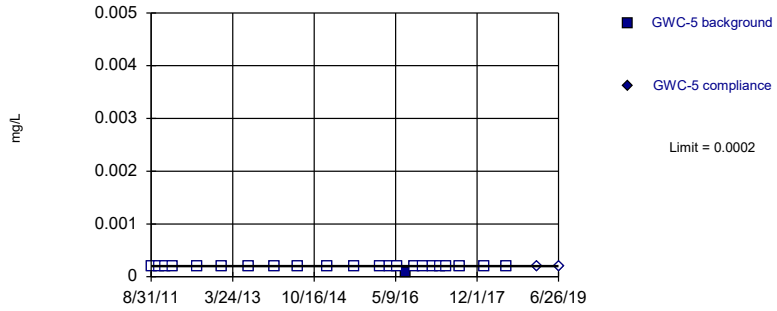
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

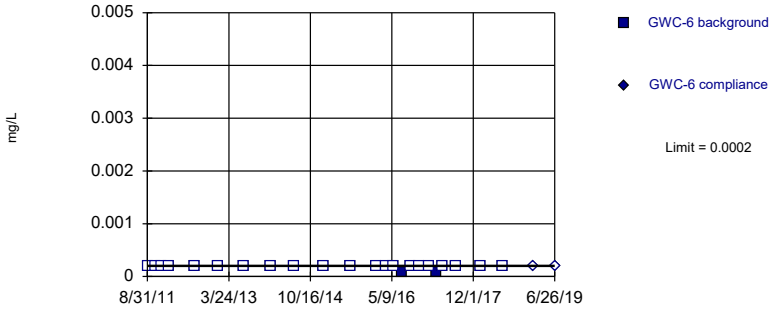
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

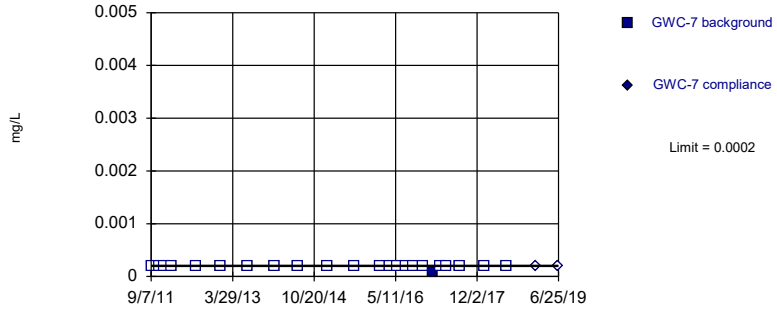
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Mercury

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

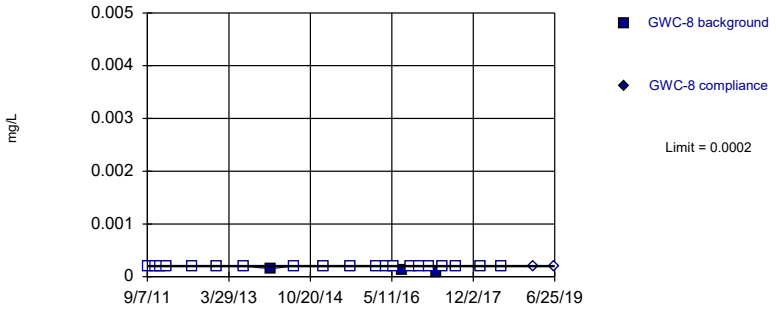
Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Mercury

Intrawell Non-parametric



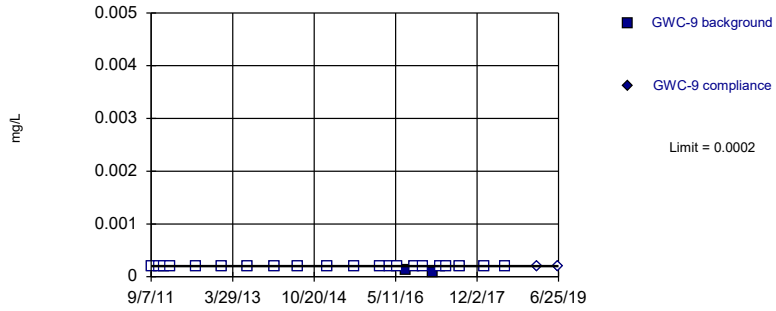
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Mercury

Intrawell Non-parametric



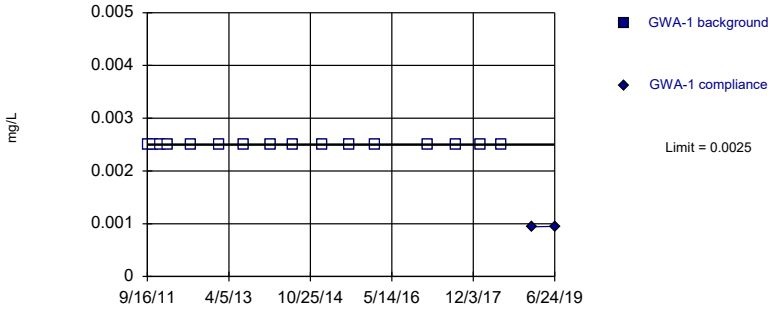
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Nickel

Intrawell Non-parametric



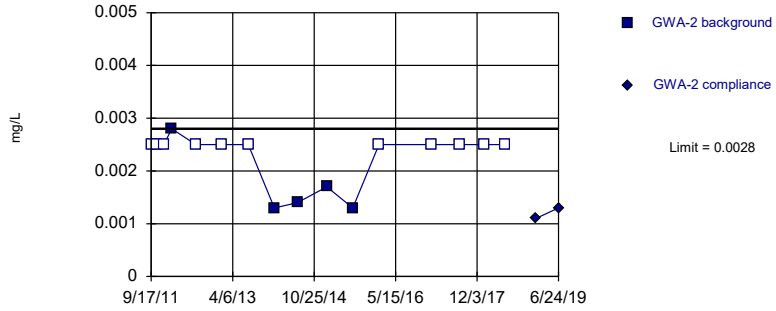
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Nickel

Intrawell Non-parametric



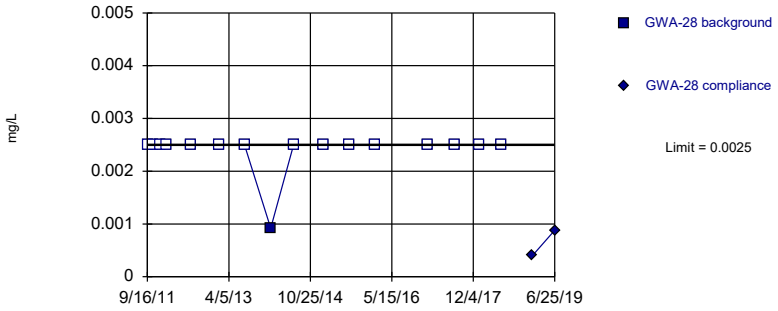
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Nickel

Intrawell Non-parametric



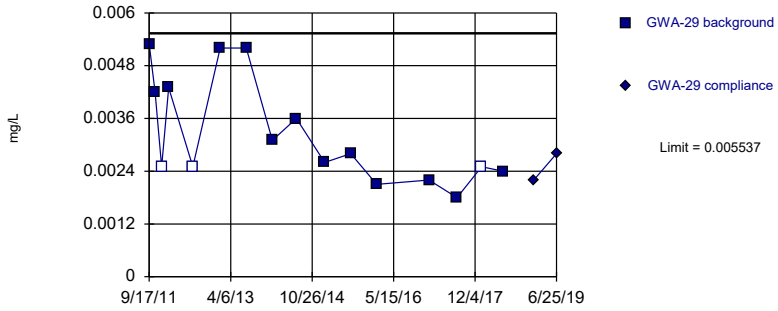
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Nickel

Intrawell Parametric



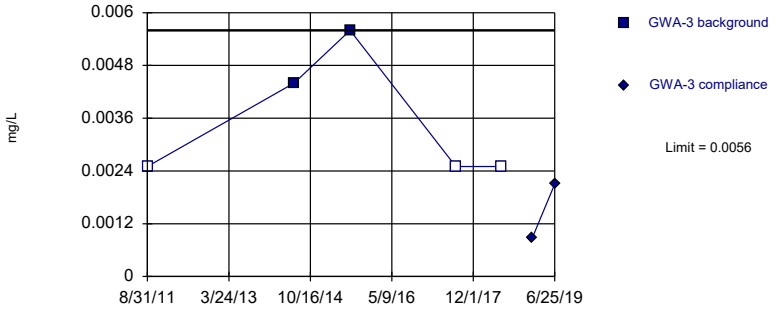
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003044, Std. Dev.=0.001124, n=16, 18.75% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8635, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 10:59 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Nickel

Intrawell Non-parametric



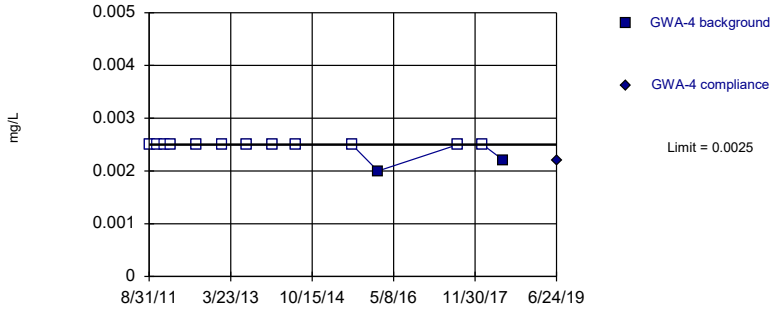
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 60% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Nickel

Intrawell Non-parametric



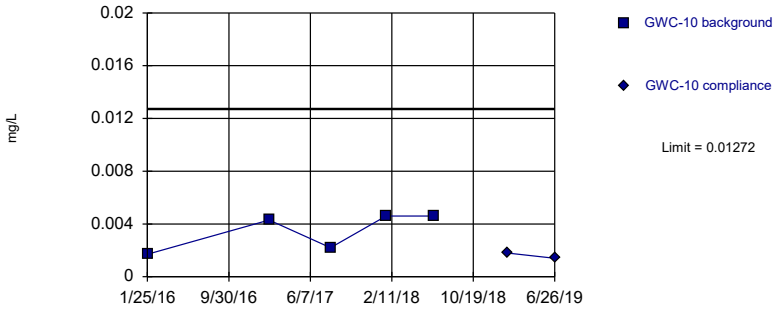
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 14 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Nickel

Intrawell Parametric



Background Data Summary: Mean=0.00348, Std. Dev.=0.001413, n=5. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.7865, critical = 0.686. Kappa = 6.538 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

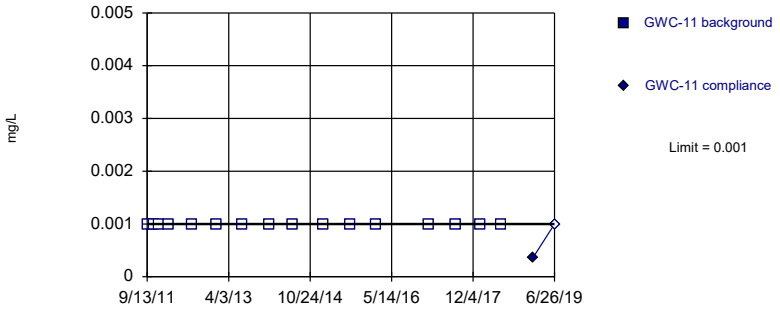
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

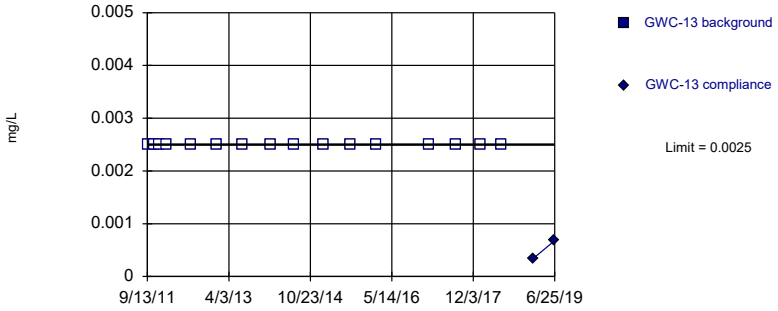
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

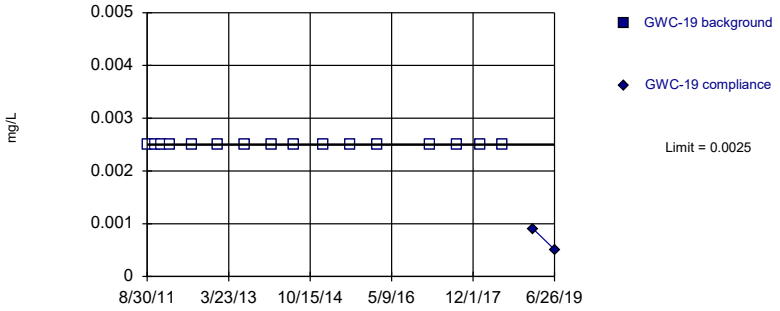
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

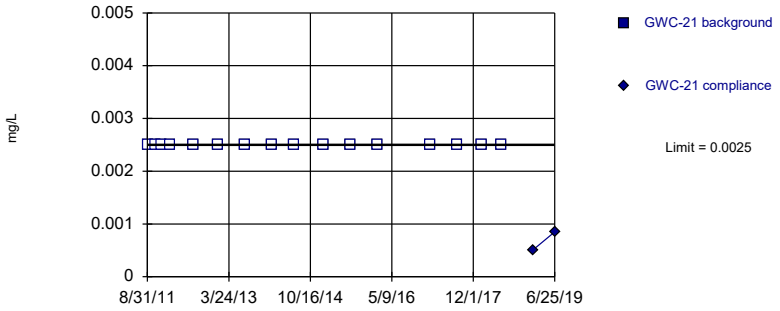
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

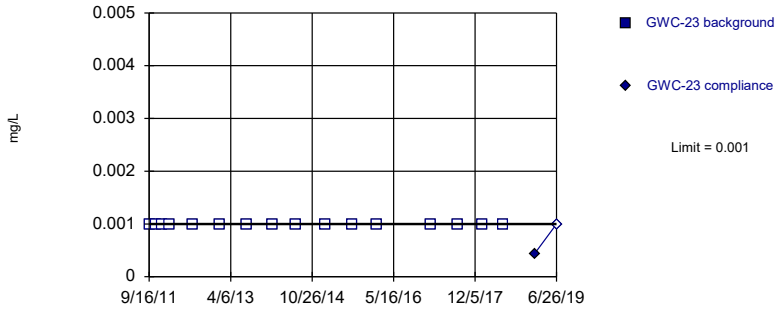
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

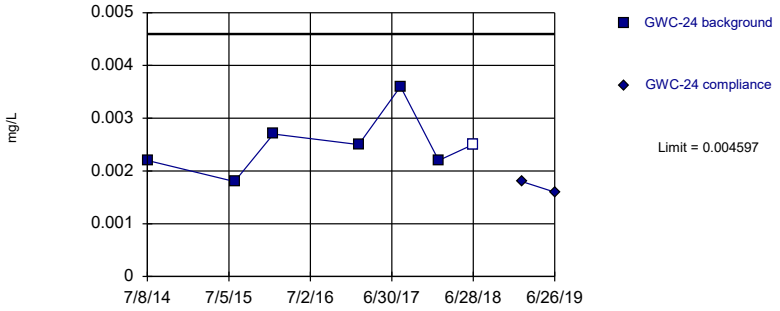
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Parametric



Background Data Summary: Mean=0.0025, Std. Dev.=0.0005657, n=7, 14.29% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9014, critical = 0.73. Kappa = 3.706 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

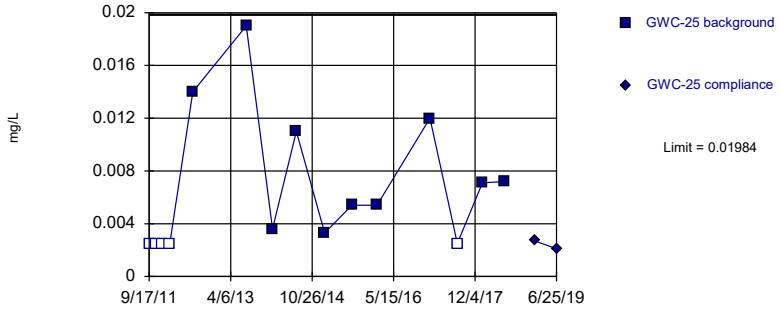
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.07554, Std. Dev.=0.0286, n=15, 33.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8657, critical = 0.835. Kappa = 2.284 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

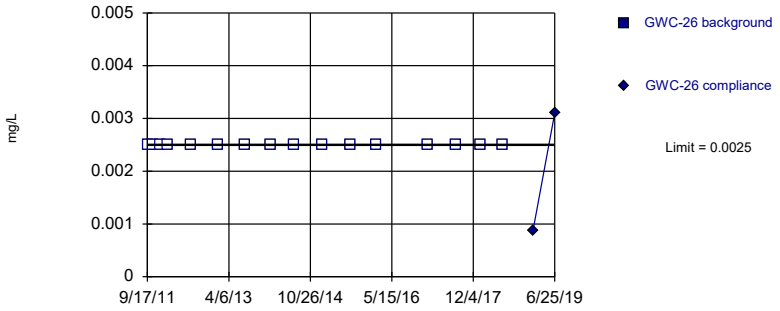
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Exceeds Limit

Nickel

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

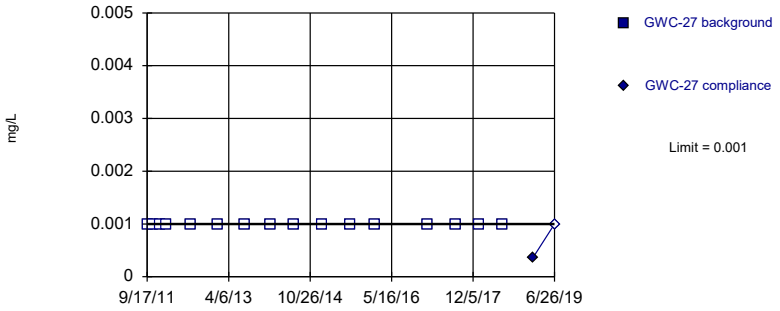
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

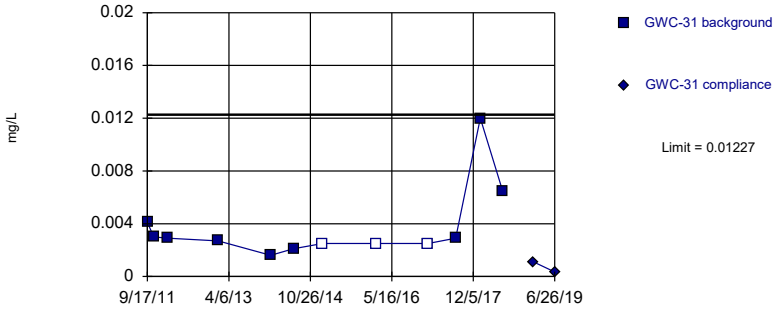
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.856, Std. Dev.=0.5866, n=12, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8392, critical = 0.805. Kappa = 2.48 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

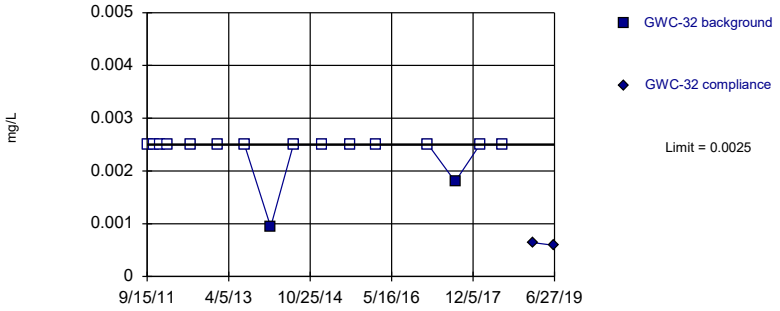
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

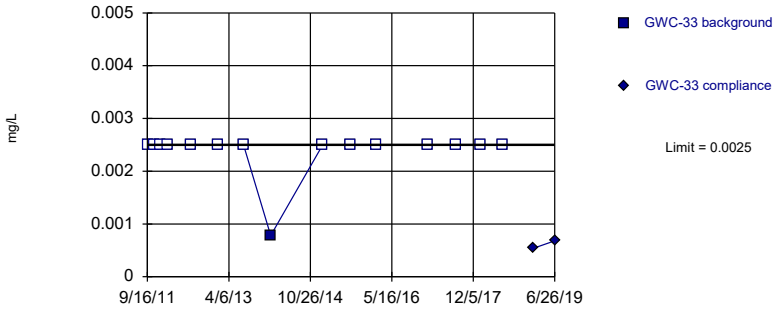
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

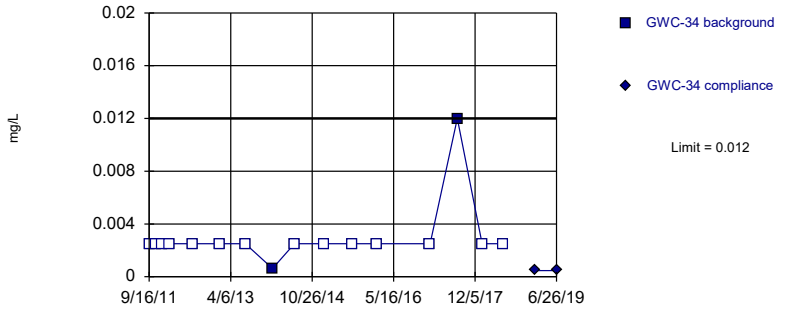
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

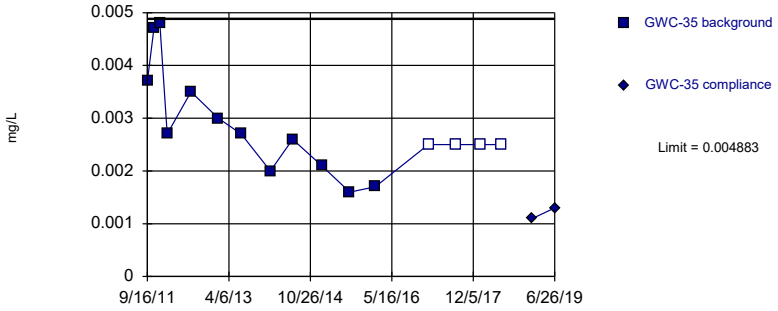
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002608, Std. Dev.=0.001025, n=16, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8853, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

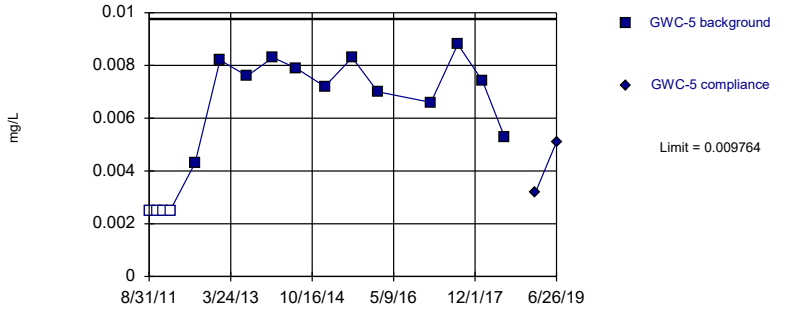
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Parametric



Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.00003998, Std. Dev.=0.00002495, n=16, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8736, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

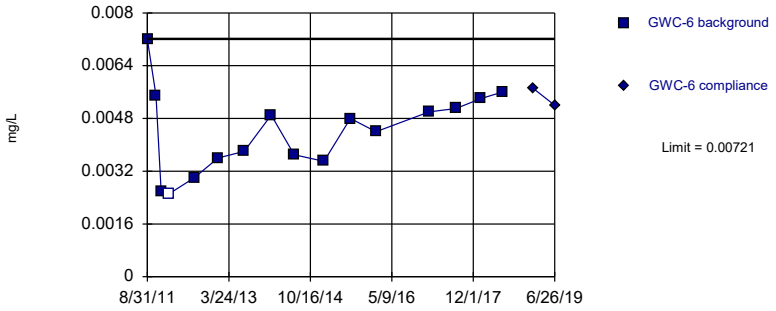
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Parametric



Background Data Summary: Mean=0.004412, Std. Dev.=0.001261, n=16, 6.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9588, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

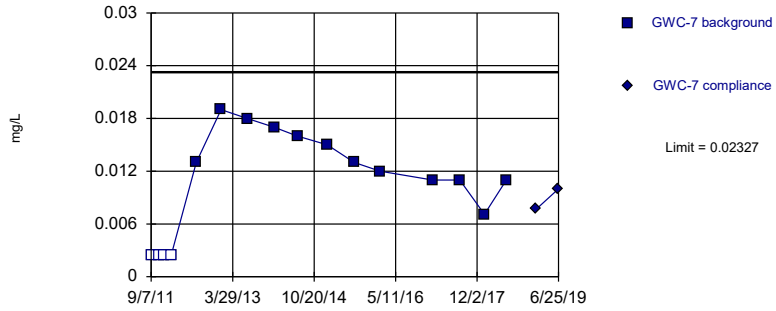
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.009385, Std. Dev.=0.006258, n=16, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8939, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

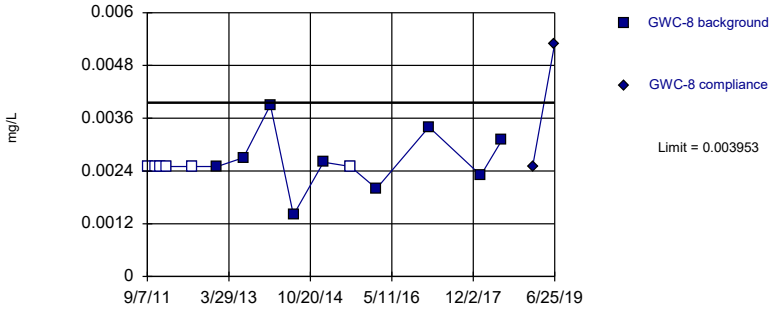
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Nickel

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002353, Std. Dev.=0.0007003, n=15, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8802, critical = 0.835. Kappa = 2.284 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

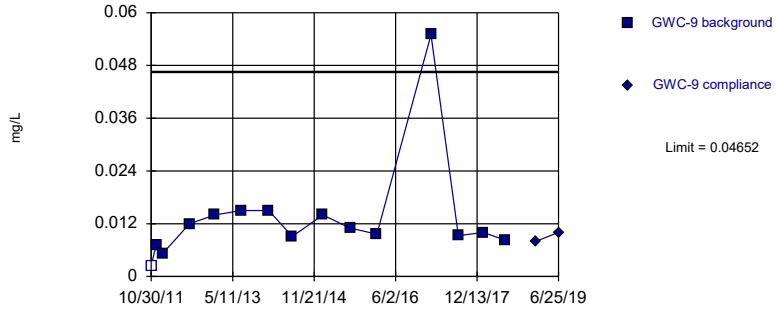
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Nickel

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-4.557, Std. Dev.=0.652, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8916, critical = 0.835. Kappa = 2.284 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

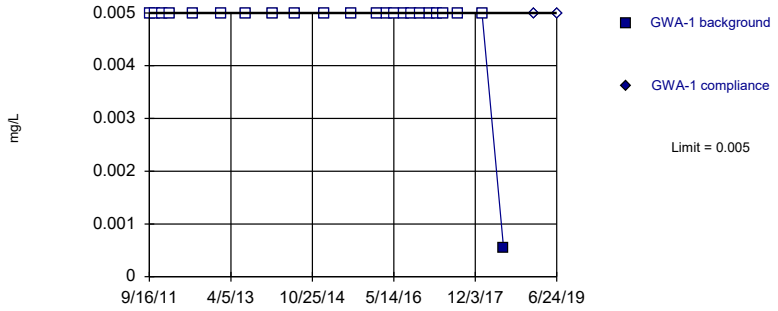
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Selenium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

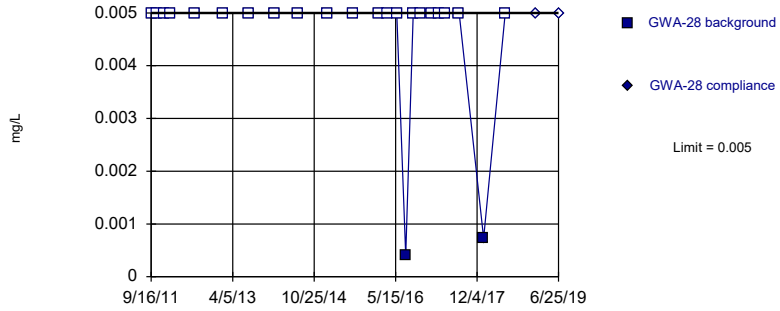
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Selenium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:00 AM View: State Intrawell PL

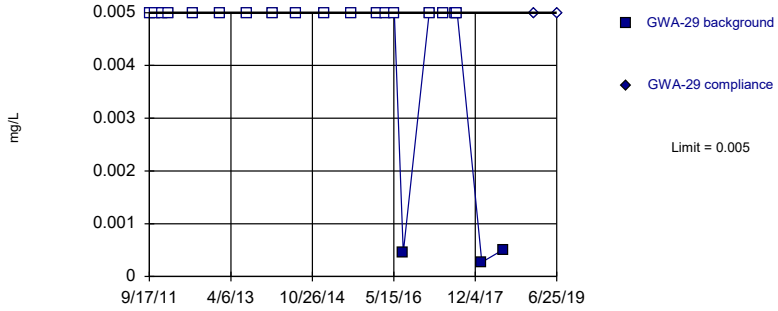
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Selenium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL

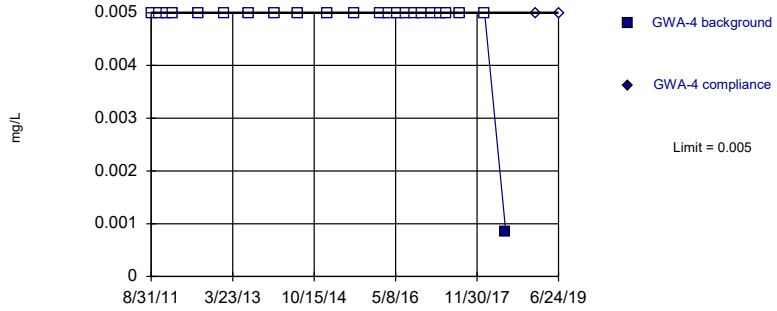
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Selenium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

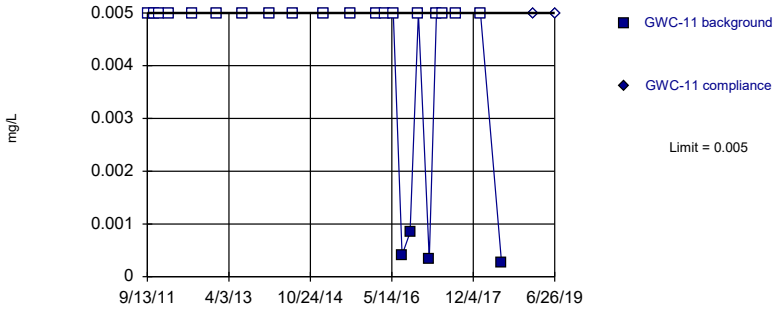
Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

Intrawell Non-parametric



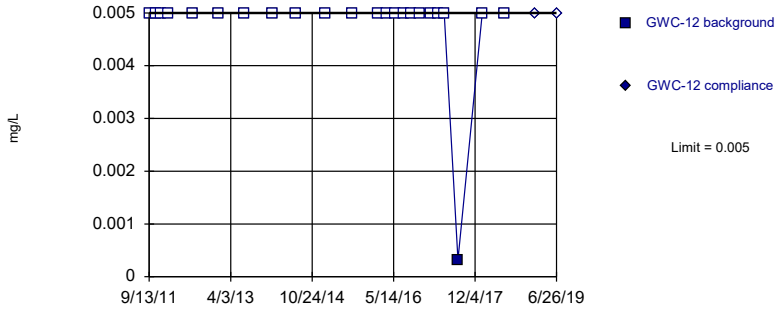
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

Intrawell Non-parametric



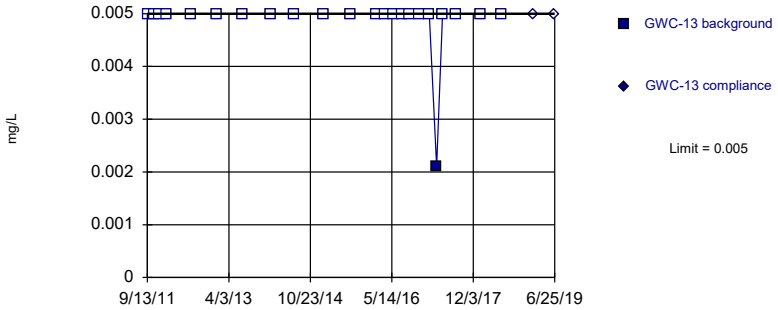
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

Intrawell Non-parametric



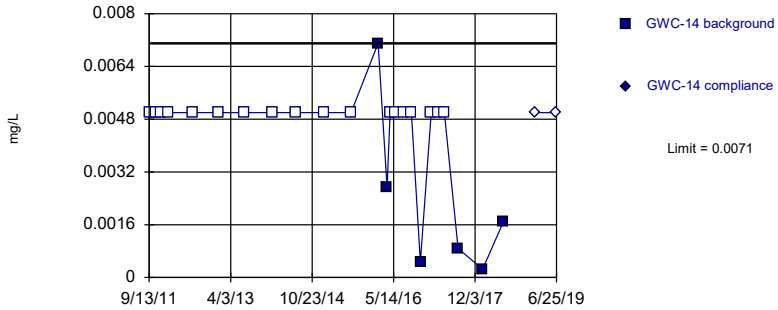
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

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. 75% NDs. Well-constituent pair annual alpha = 0.0007123. Individual comparison alpha = 0.0003562 (1 of 3).

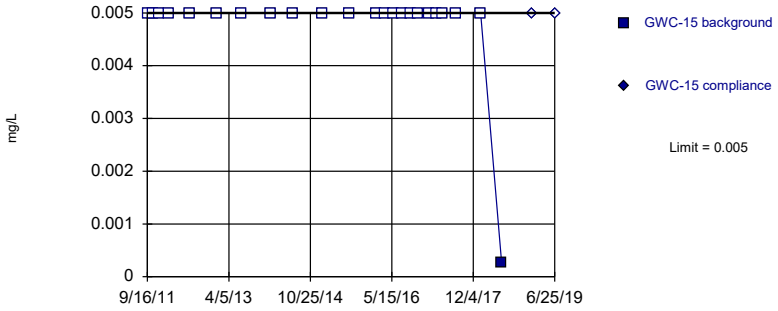
Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Selenium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL

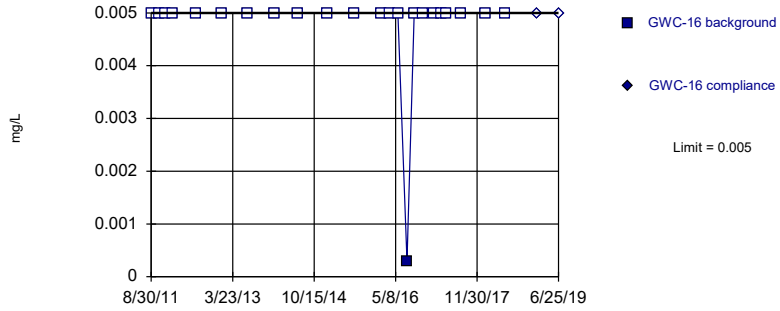
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Selenium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL

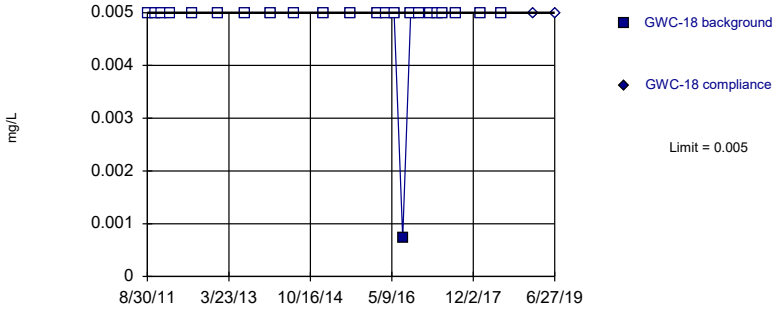
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Selenium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL

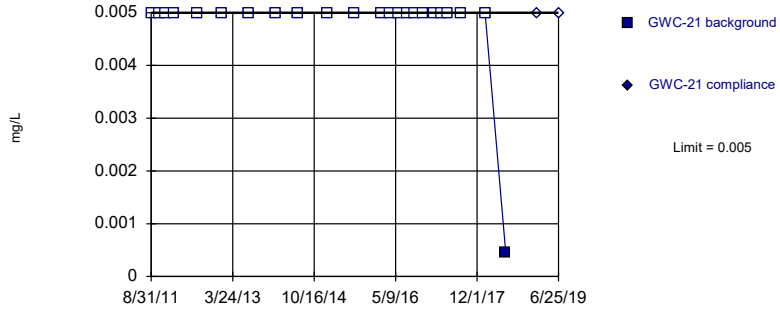
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Selenium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

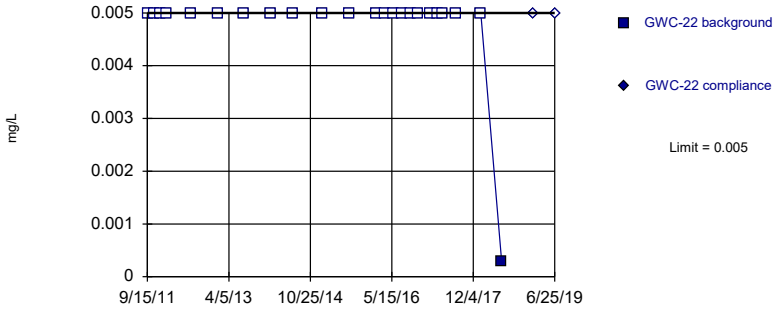
Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

Intrawell Non-parametric



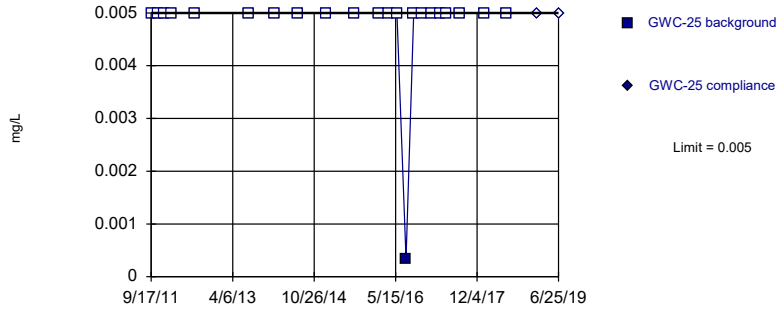
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

Intrawell Non-parametric



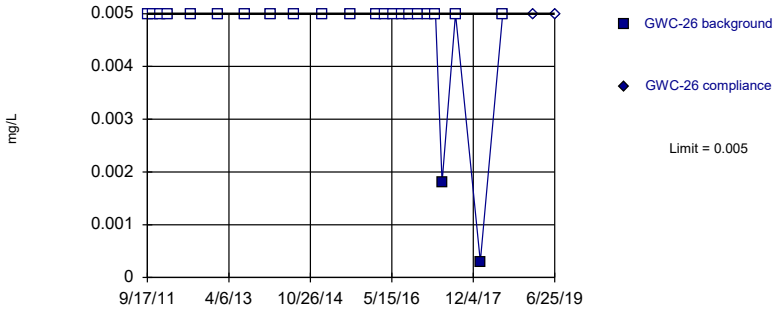
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

Intrawell Non-parametric



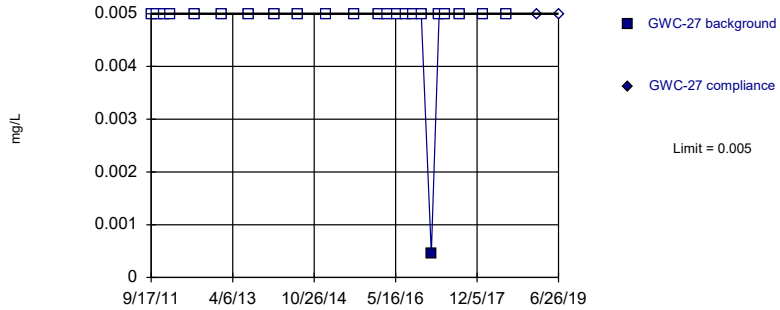
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

Intrawell Non-parametric



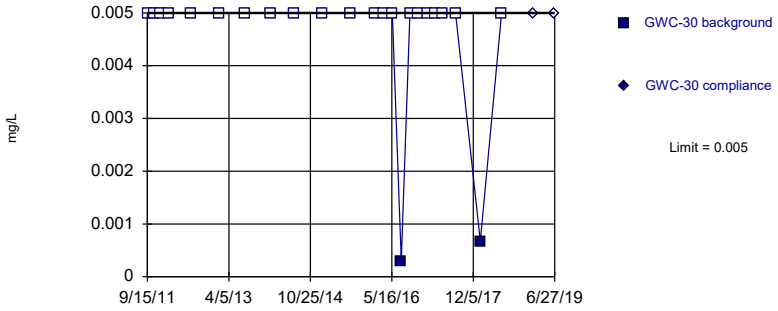
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

Intrawell Non-parametric



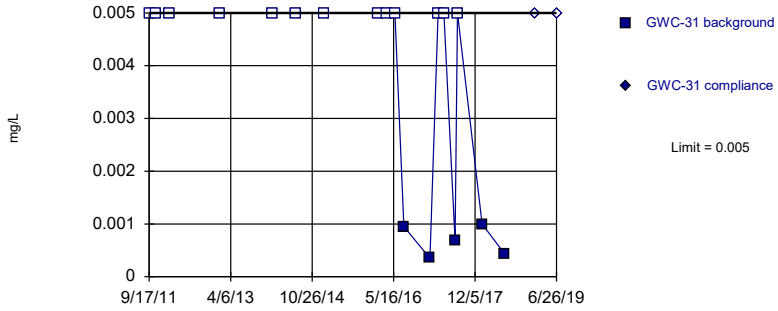
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

Intrawell Non-parametric



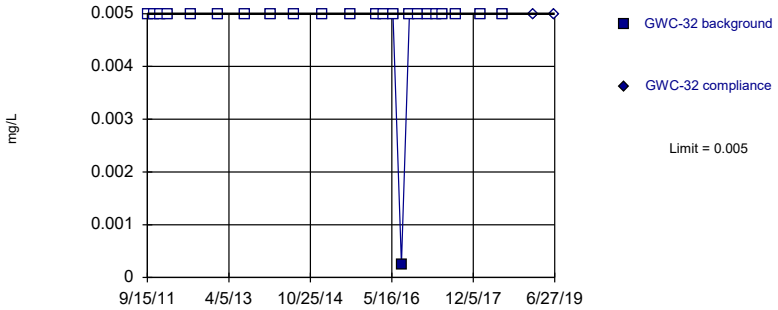
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 72.22% NDs. Well-constituent pair annual alpha = 0.001588. Individual comparison alpha = 0.0007943 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

Intrawell Non-parametric



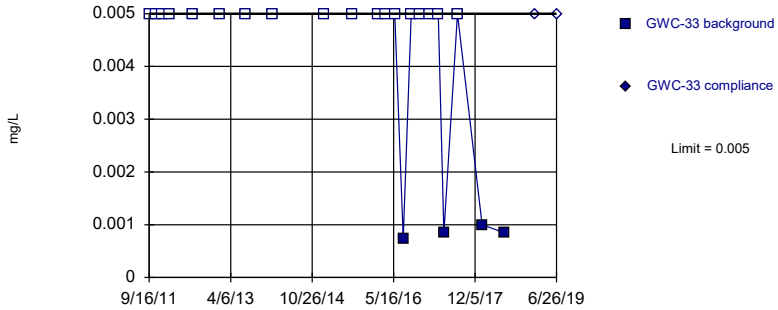
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Selenium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

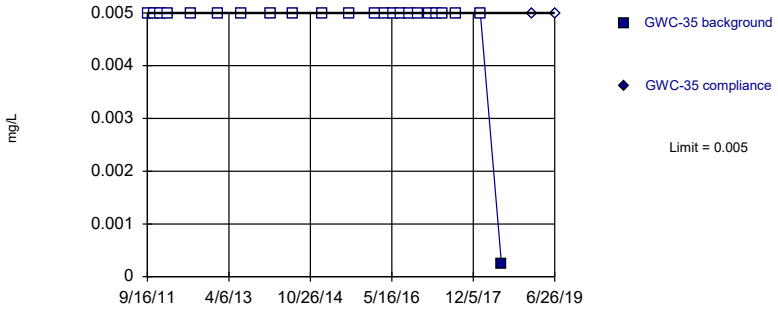
Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Selenium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL

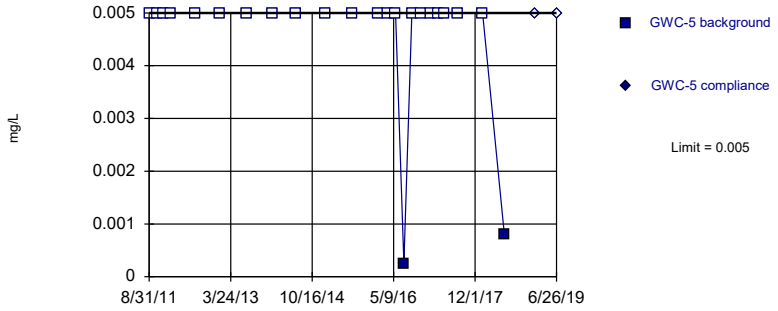
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Selenium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL

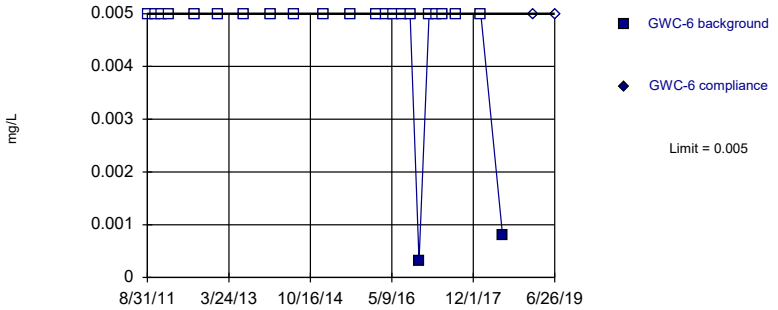
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Selenium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:01 AM View: State Intrawell PL

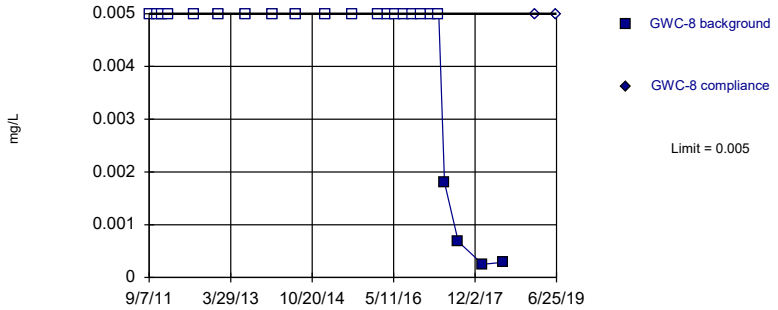
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Selenium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

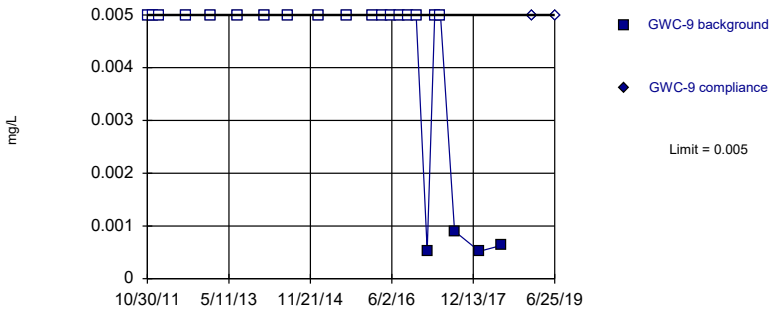
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Selenium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 81.82% NDs. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

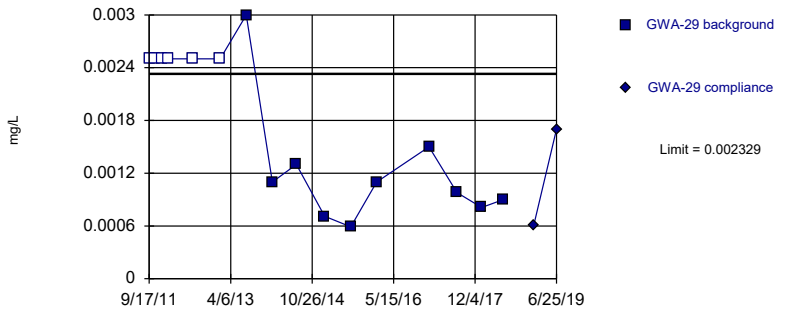
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Silver

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03226, Std. Dev.=0.007215, n=16, 37.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8621, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

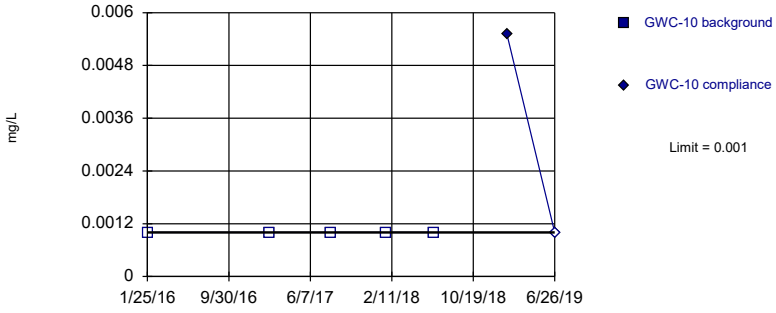
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Silver

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 5) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

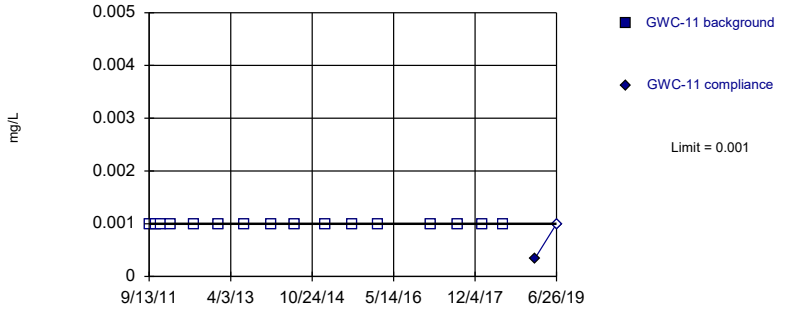
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Silver

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

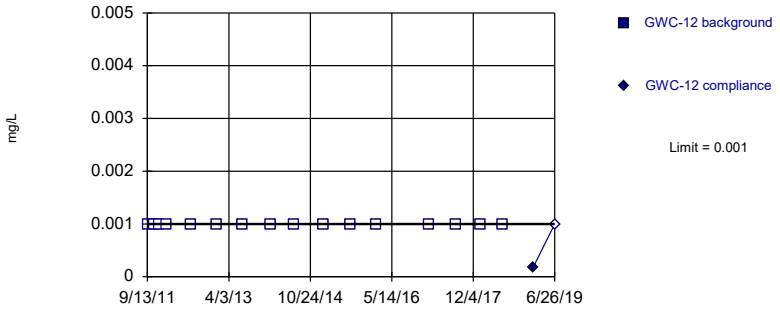
Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



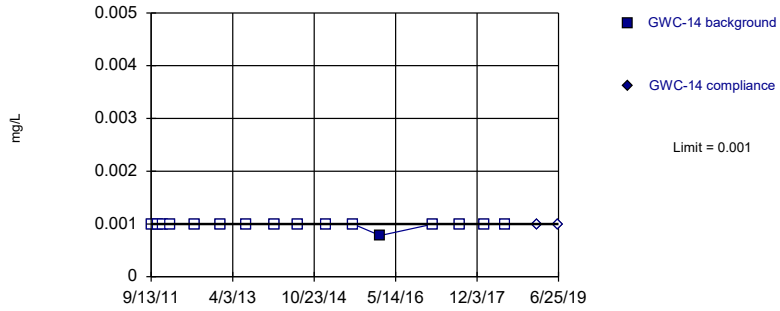
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



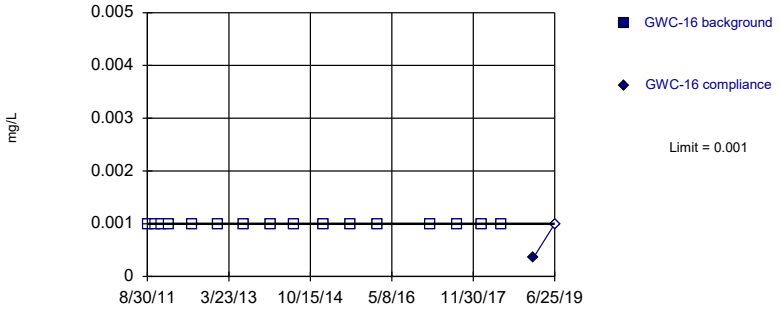
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



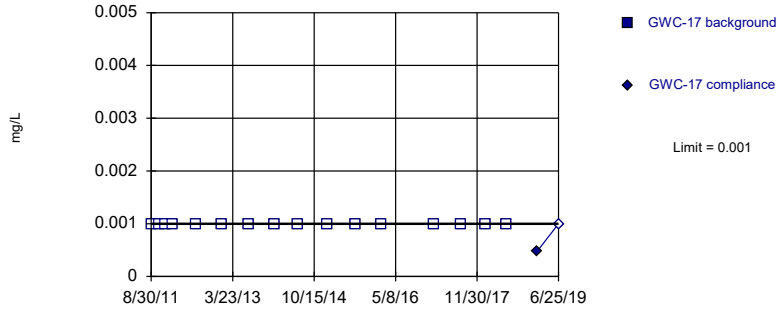
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



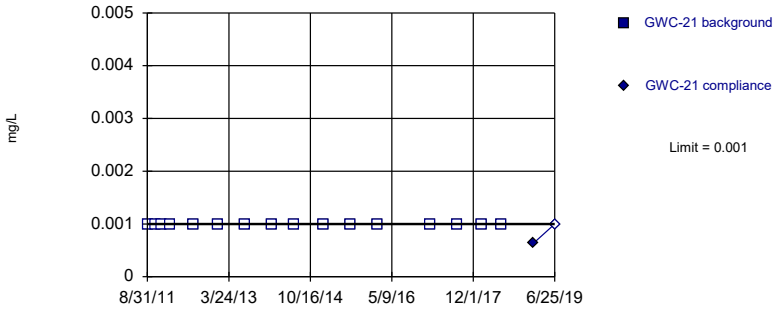
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



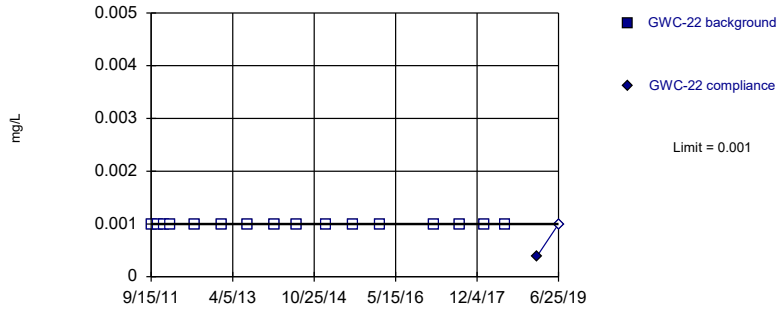
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



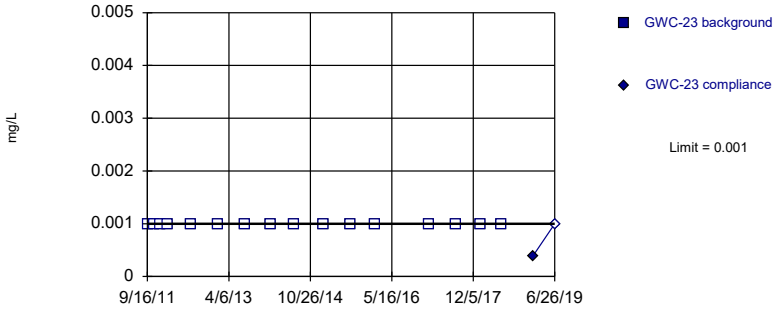
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



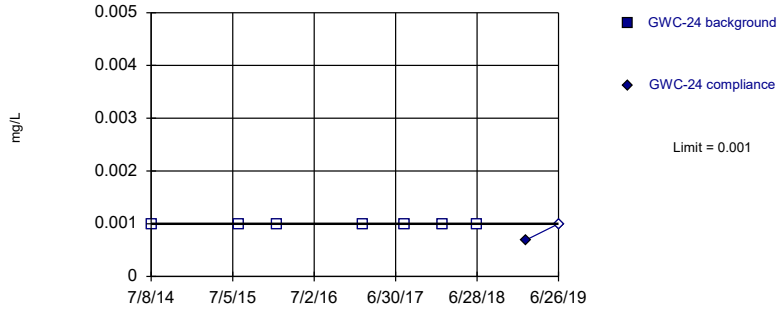
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



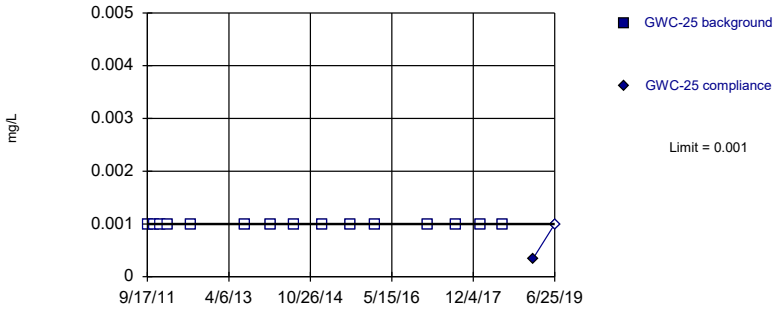
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 7) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



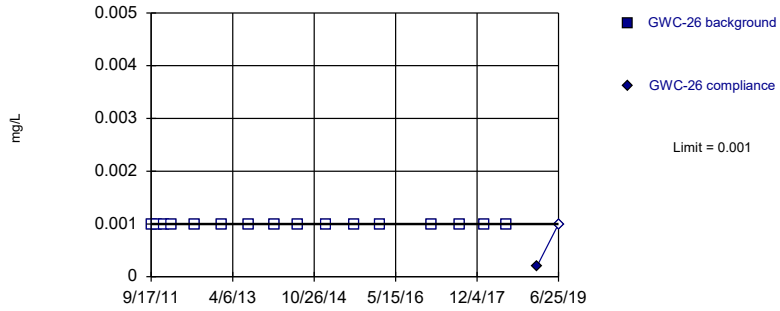
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



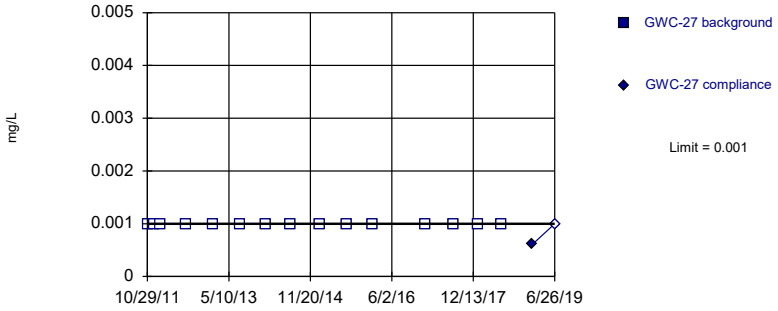
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



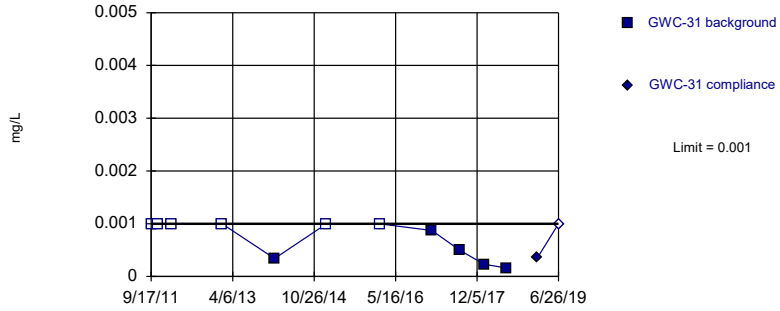
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



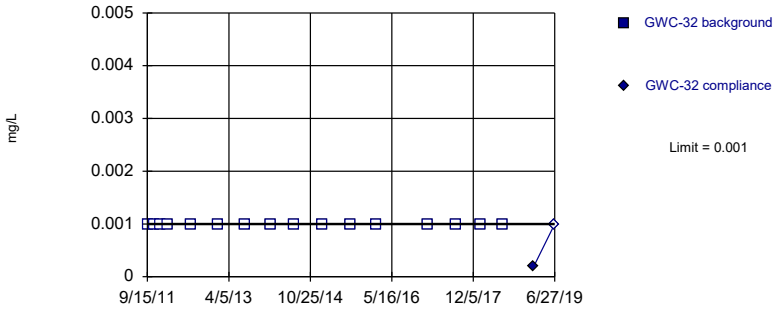
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 11 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.005605. Individual comparison alpha = 0.002806 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



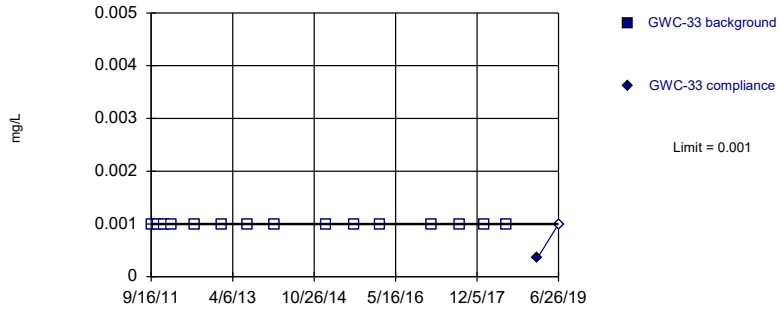
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



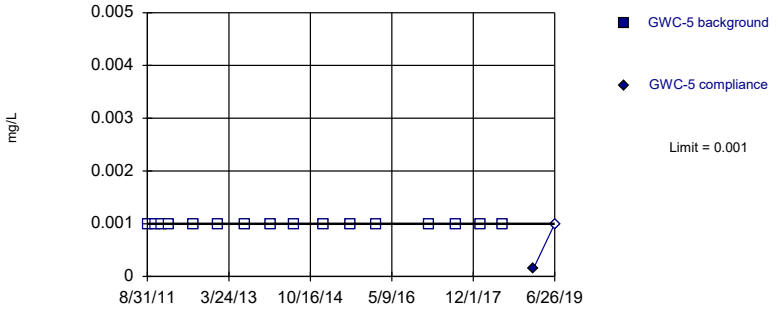
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 15) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



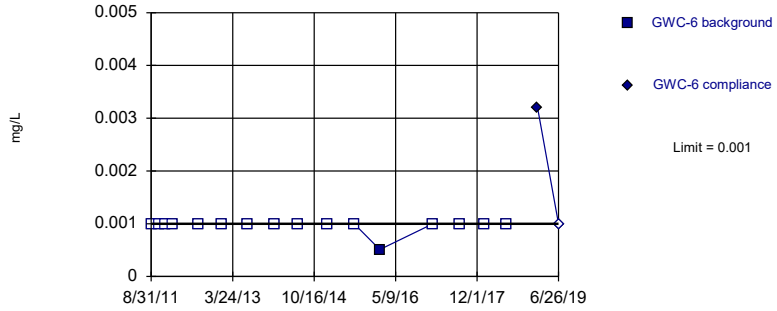
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Silver

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

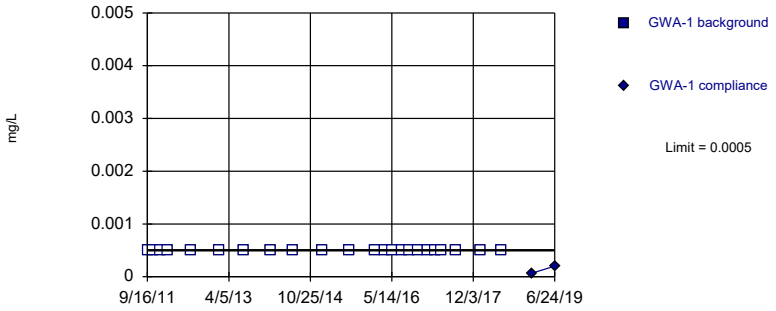
Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Thallium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

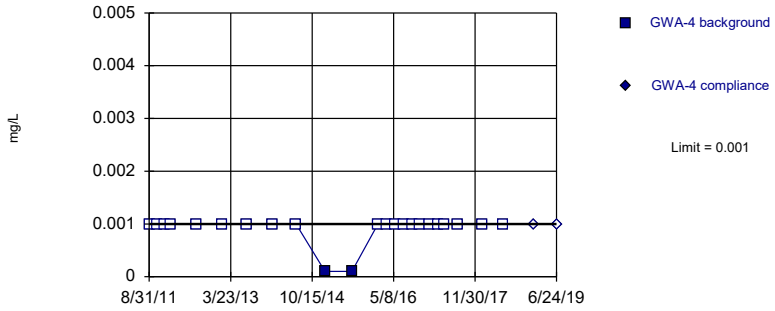
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Thallium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

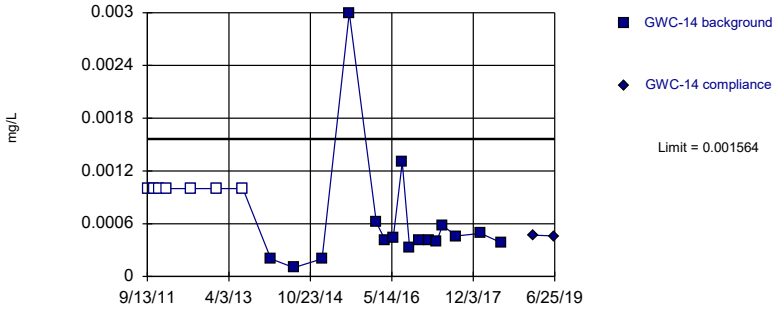
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Thallium

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.02098, Std. Dev.=0.009167, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.886, critical = 0.881. Kappa = 2.024 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

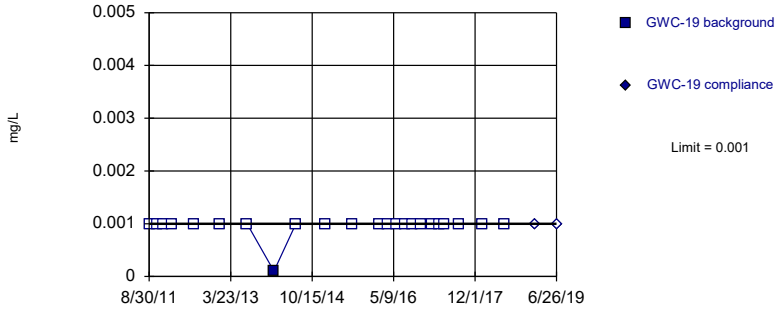
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Thallium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

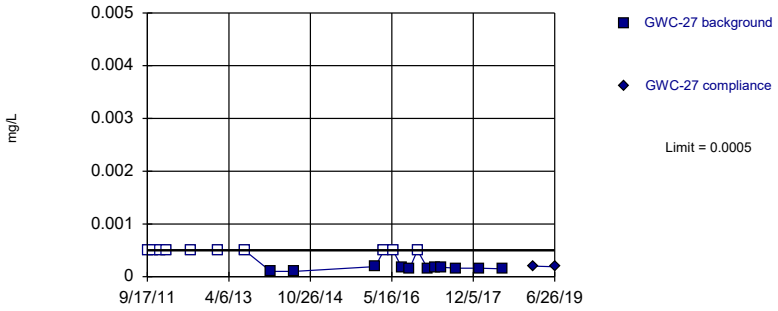
Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Thallium

Intrawell Non-parametric



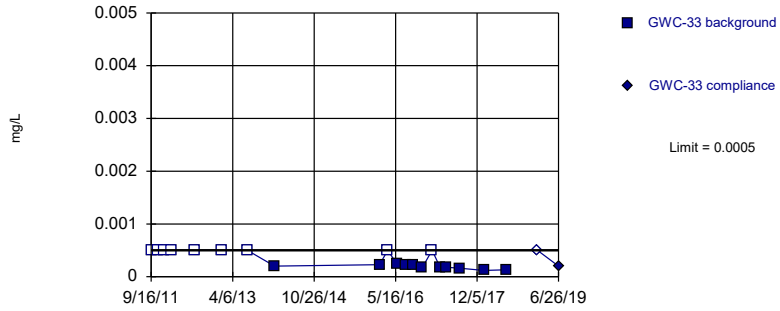
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 21 background values. 47.62% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Thallium

Intrawell Non-parametric



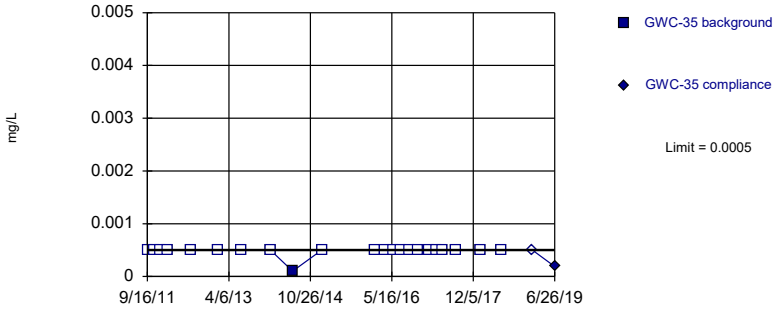
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 20 background values. 45% NDs. Well-constituent pair annual alpha = 0.001125. Individual comparison alpha = 0.0005627 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Thallium

Intrawell Non-parametric



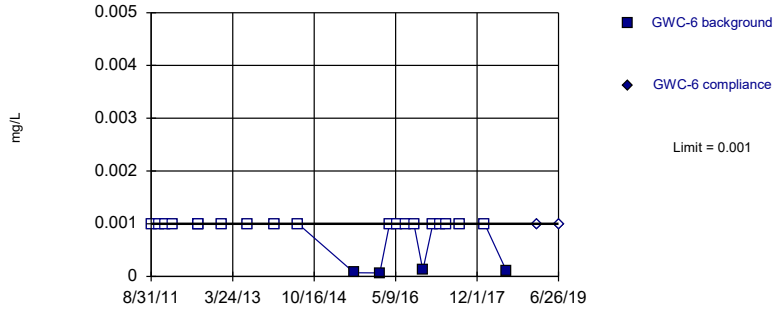
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.0009186. Individual comparison alpha = 0.0004594 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Thallium

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 = 0.0008155. Individual comparison alpha = 0.0004078 (1 of 3).

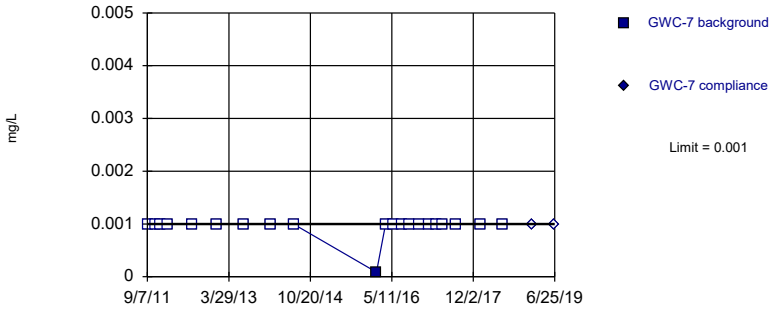
Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Thallium

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 = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

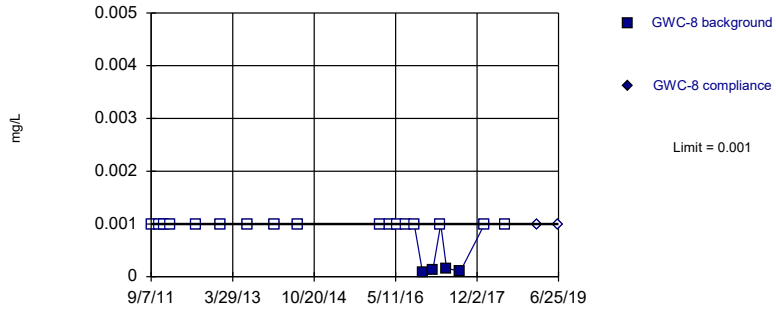
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Thallium

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 = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

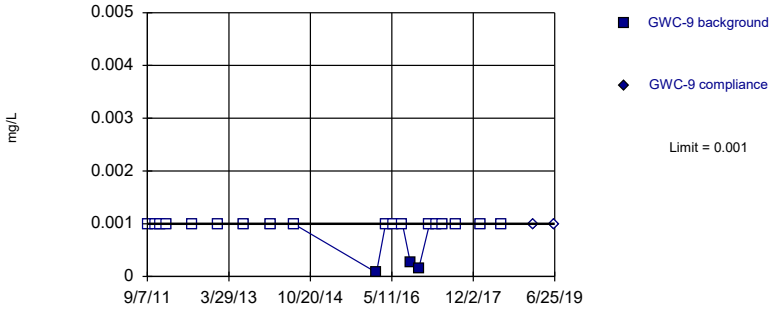
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Thallium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.001022. Individual comparison alpha = 0.000511 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:02 AM View: State Intrawell PL

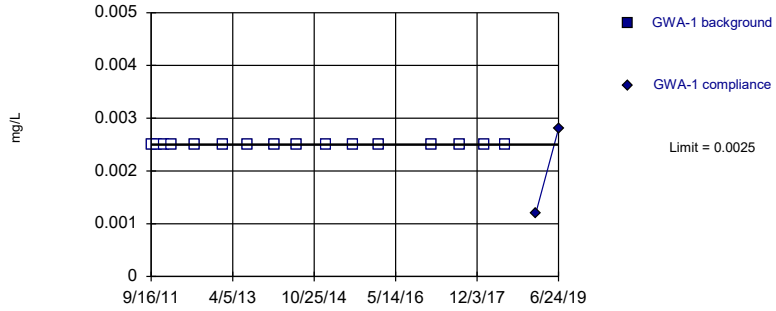
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Vanadium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

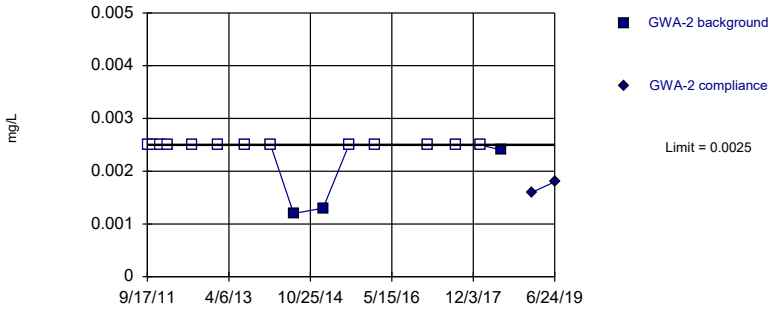
Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



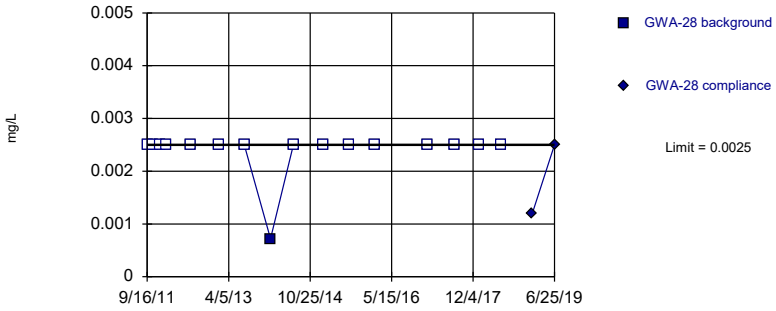
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



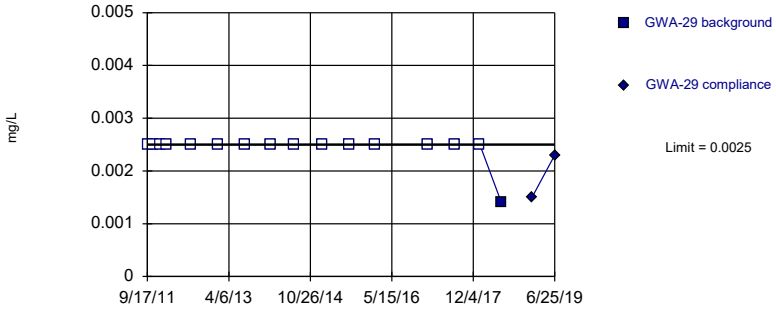
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



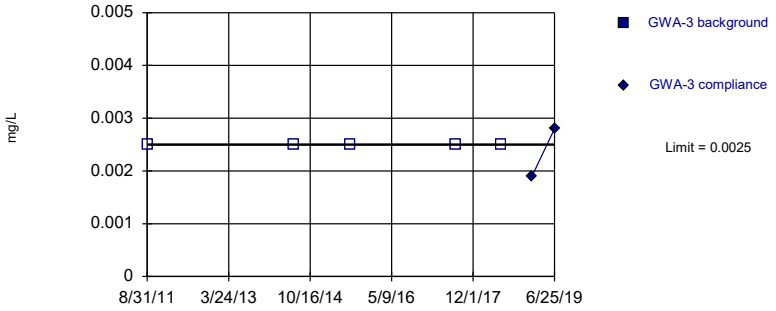
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Exceeds Limit

Vanadium

Intrawell Non-parametric



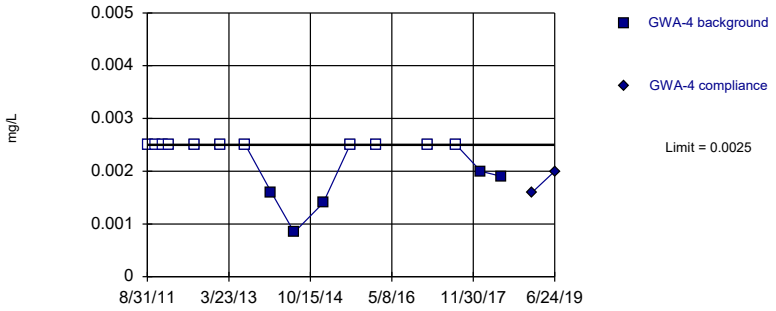
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 5) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



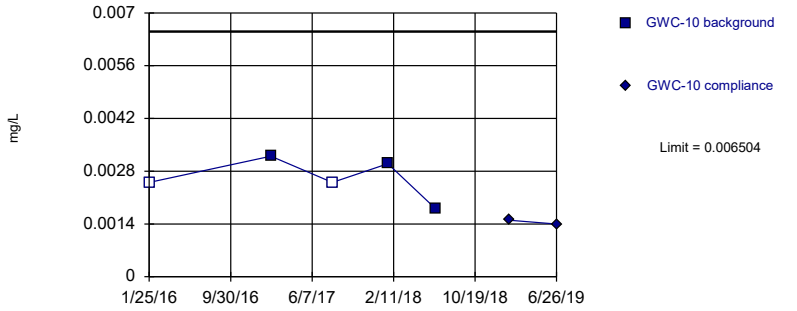
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Parametric



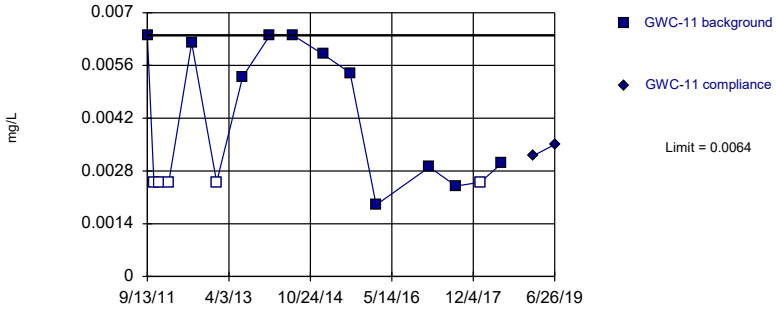
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00232, Std. Dev.=0.00064, n=5, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9363, critical = 0.686. Kappa = 6.538 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



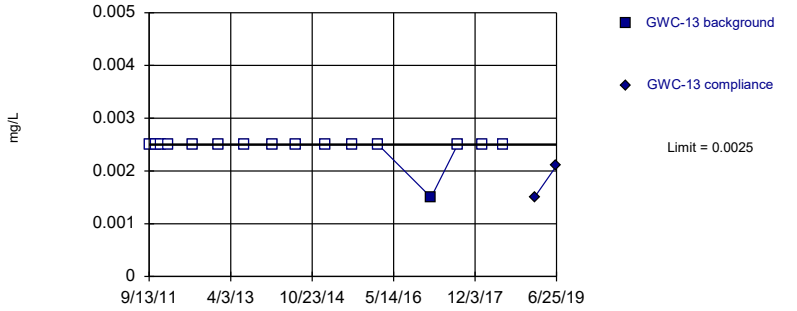
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 31.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



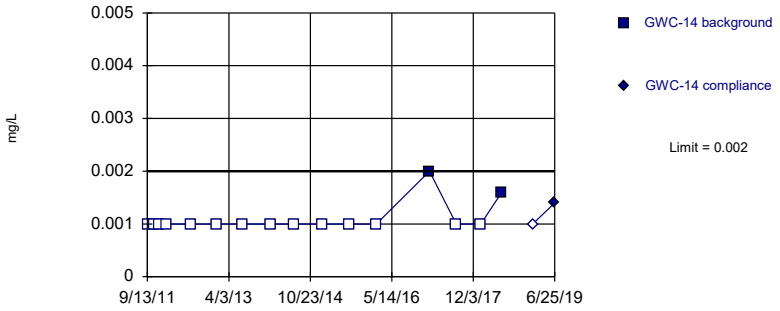
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



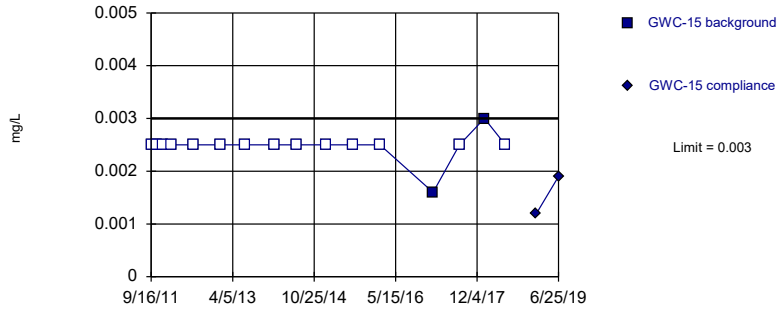
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



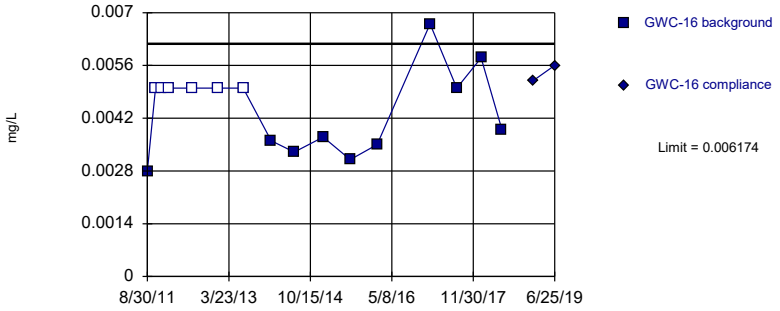
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Parametric



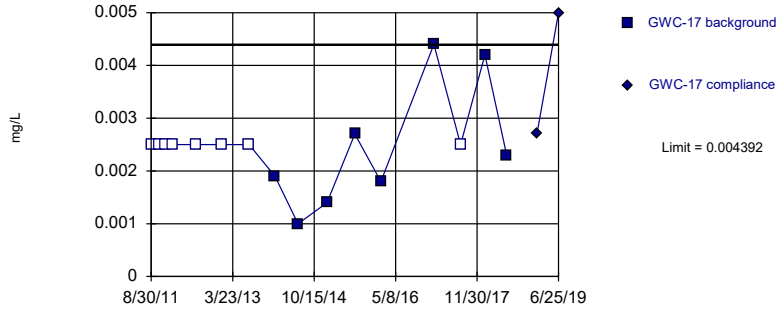
Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003868, Std. Dev.=0.001039, n=16, 37.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9117, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Exceeds Limit

Vanadium

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04443, Std. Dev.=0.009845, n=16, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8643, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

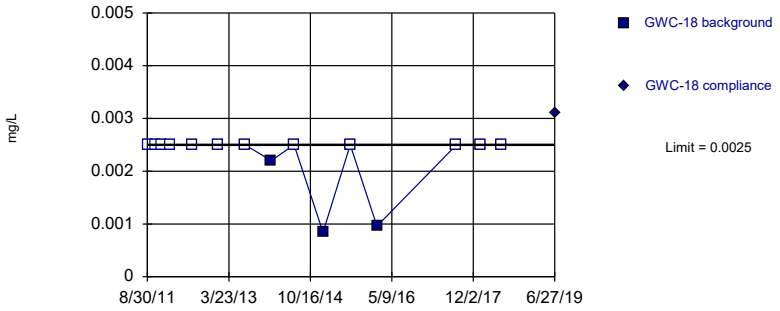
Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Vanadium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 80% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL

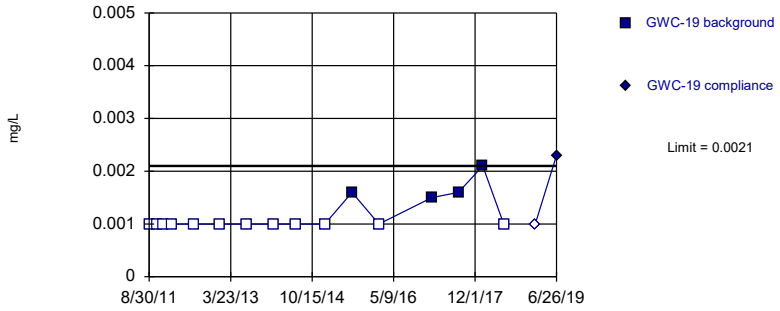
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Vanadium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL

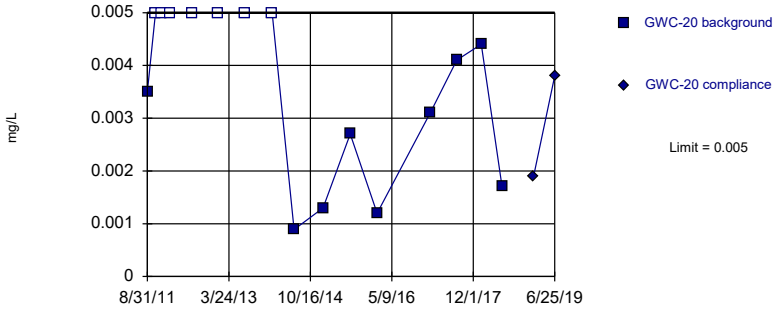
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Vanadium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 43.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL

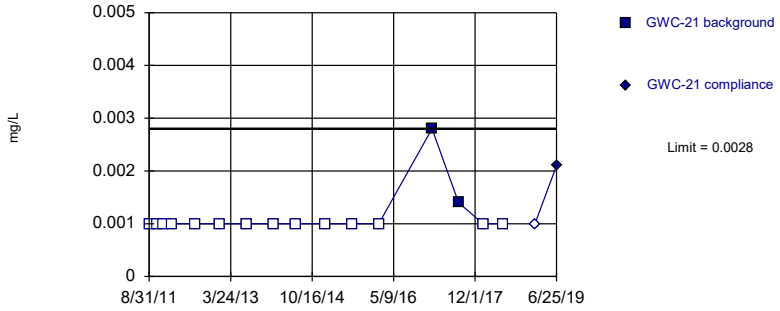
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Vanadium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL

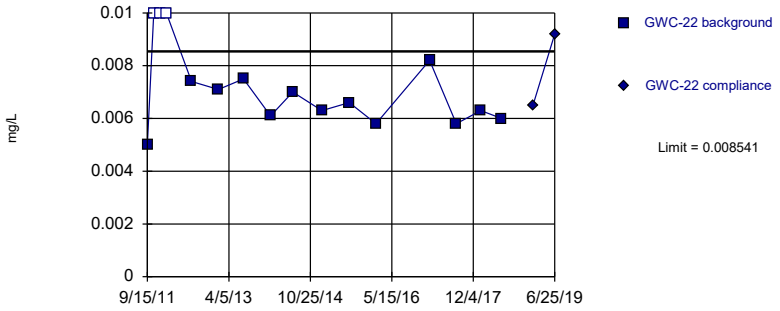
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Vanadium

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.006429, Std. Dev.=0.0009517, n=16, 18.75% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8721, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL

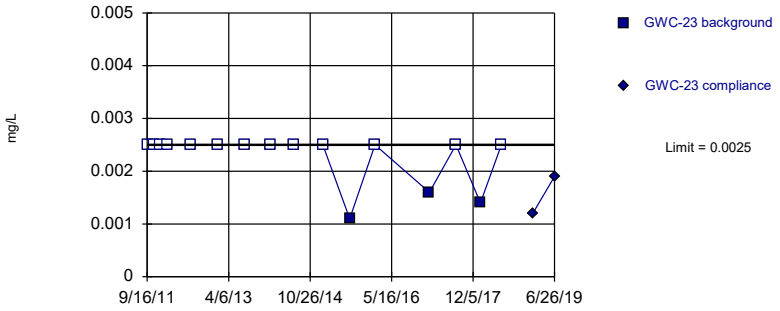
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Vanadium

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 = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL

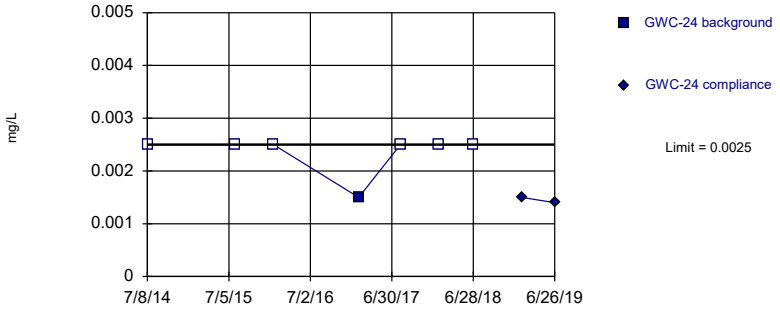
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Vanadium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 7 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.01726. Individual comparison alpha = 0.008668 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL

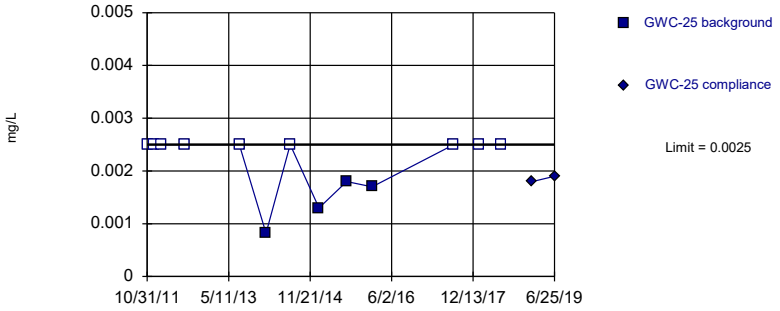
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Vanadium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 13 background values. 69.23% NDs. Well-constituent pair annual alpha = 0.003769. Individual comparison alpha = 0.001886 (1 of 3).

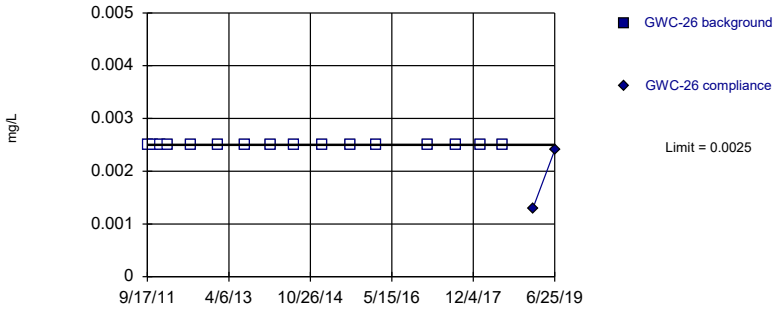
Prediction Limit Analysis Run 8/9/2019 11:03 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



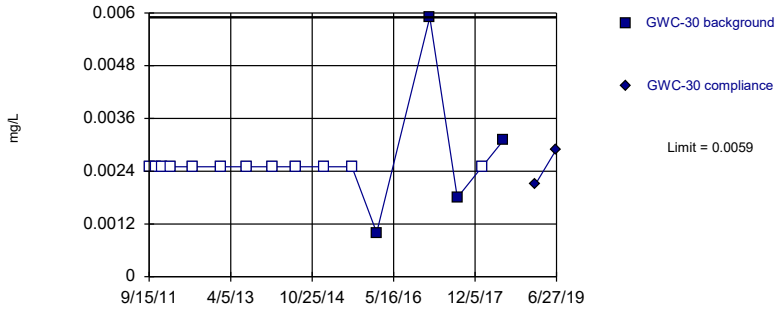
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



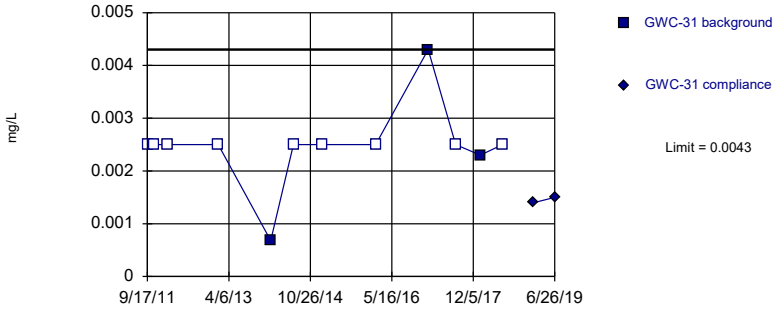
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



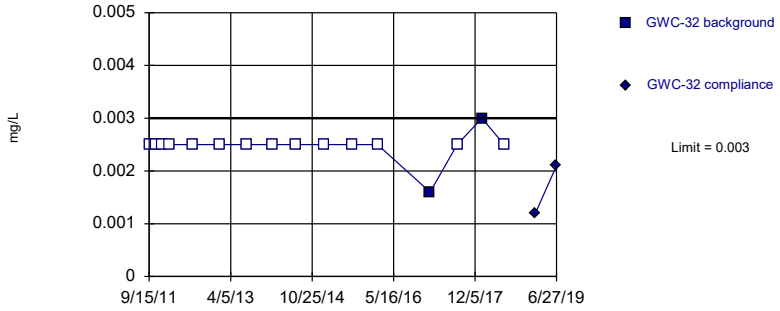
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.004342. Individual comparison alpha = 0.002173 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



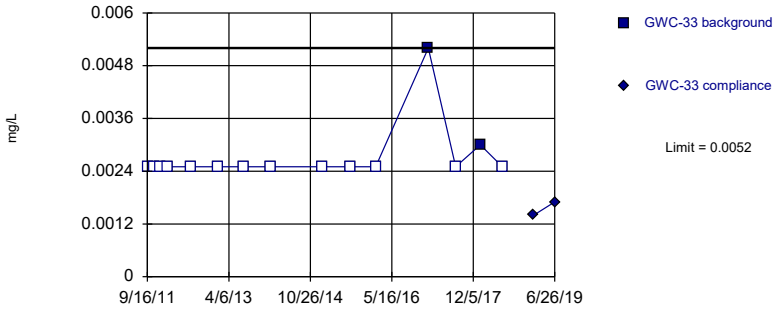
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



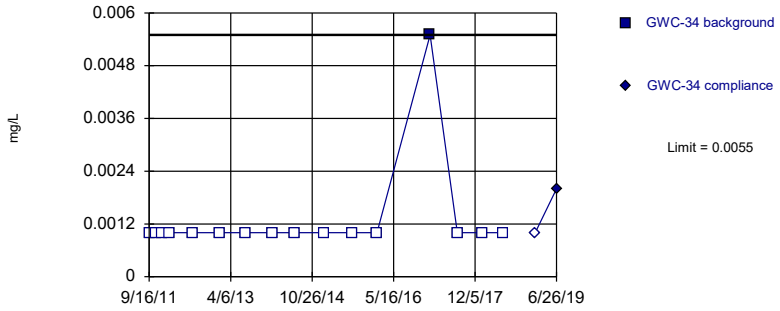
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



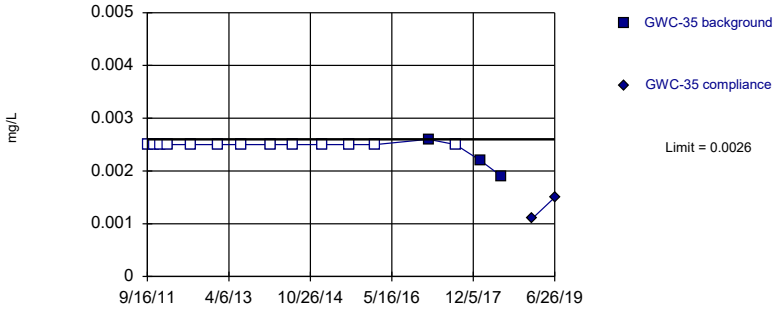
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Non-parametric



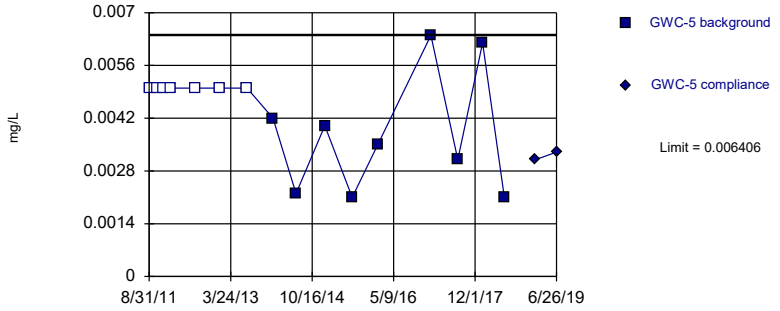
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Vanadium

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003438, Std. Dev.=0.001338, n=16, 43.75% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8883, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

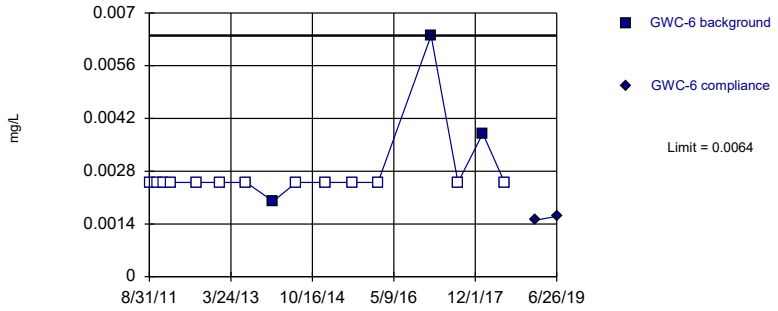
Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Vanadium

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 = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

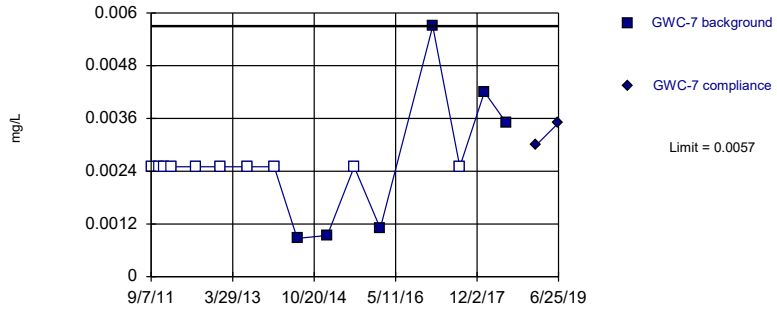
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Vanadium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

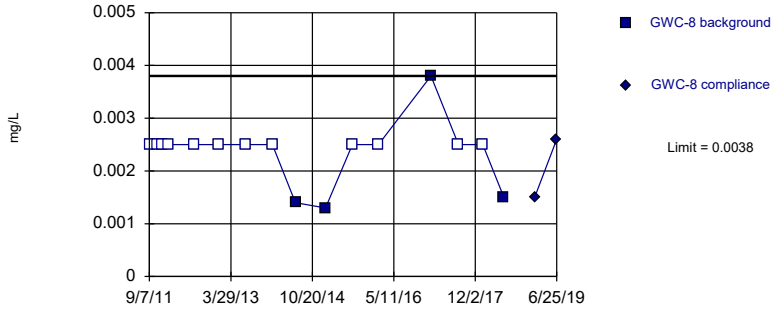
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Vanadium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

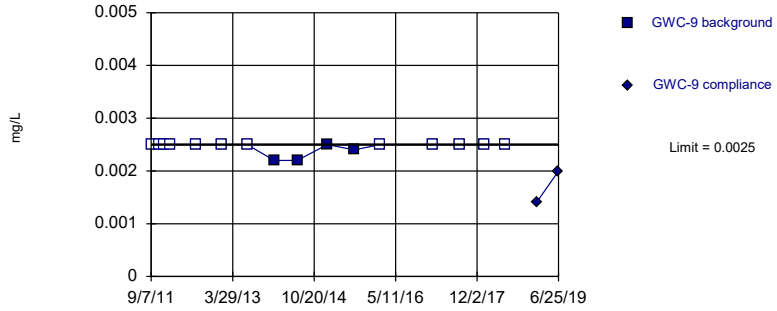
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Vanadium

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

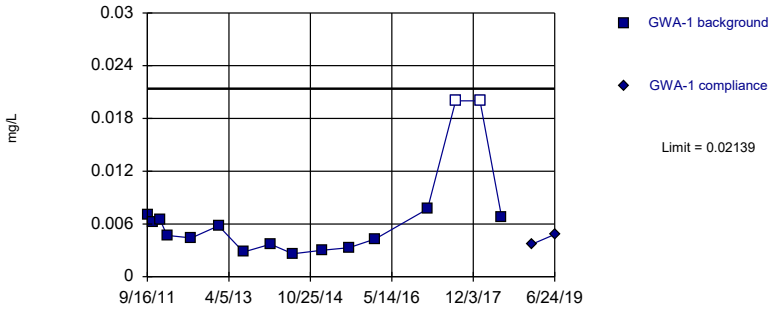
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-5.193, Std. Dev.=0.6076, n=16, 12.5% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8888, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

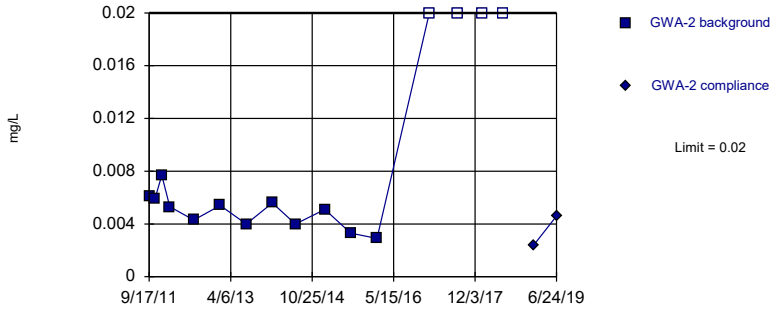
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

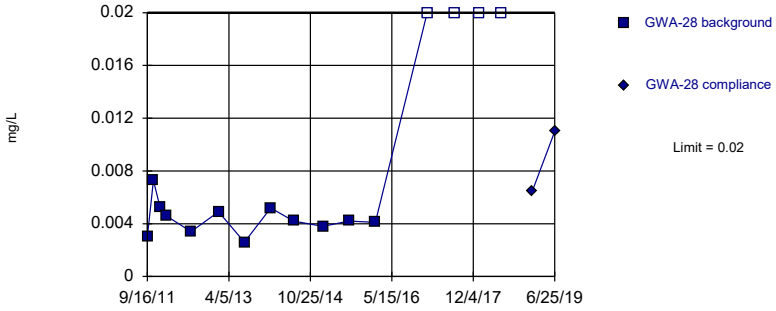
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 16 background values. 25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

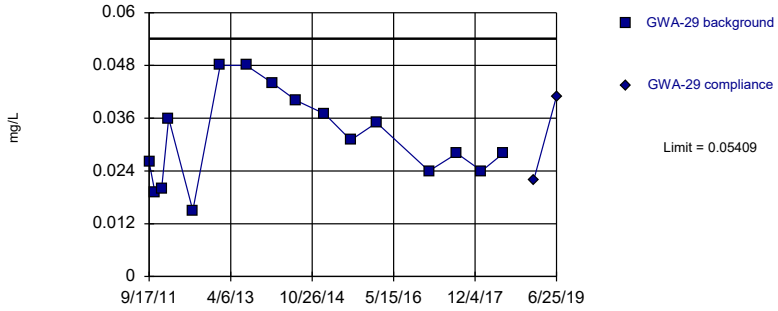
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

Within Limit

Zinc

Intrawell Parametric



Background Data Summary: Mean=0.03144, Std. Dev.=0.01021, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9596, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

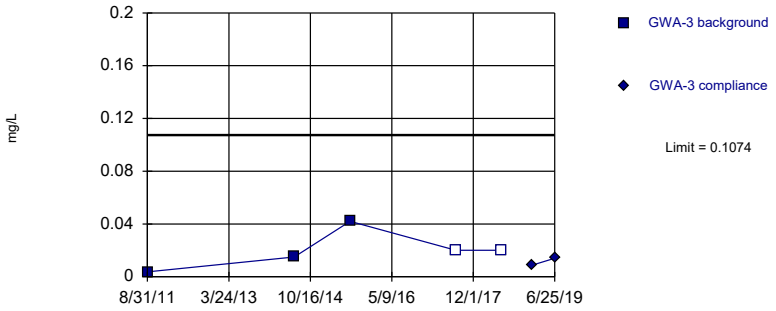
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.01588, Std. Dev.=0.014, n=5, 40% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9176, critical = 0.686. Kappa = 6.538 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

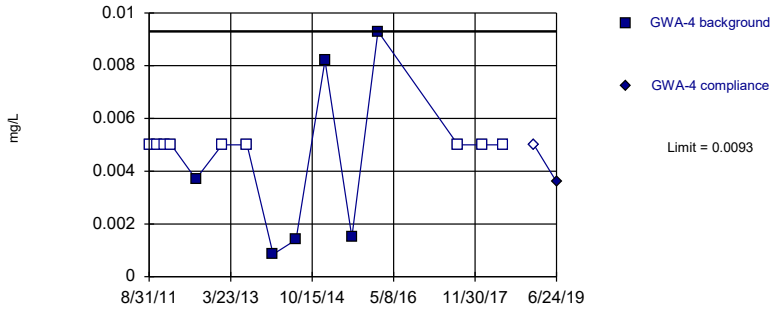
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

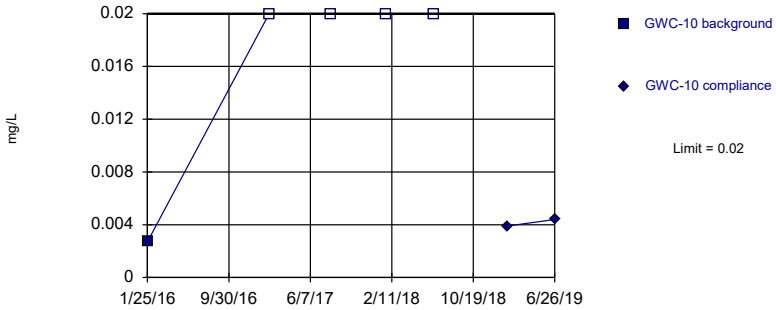
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 5 background values. 80% NDs. Well-constituent pair annual alpha = 0.03756. Individual comparison alpha = 0.01896 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

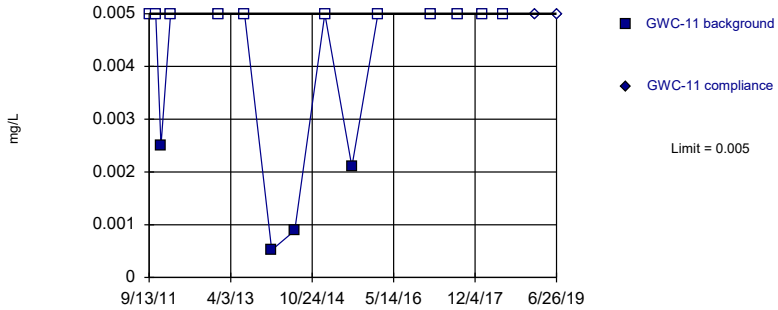
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:04 AM View: State Intrawell PL

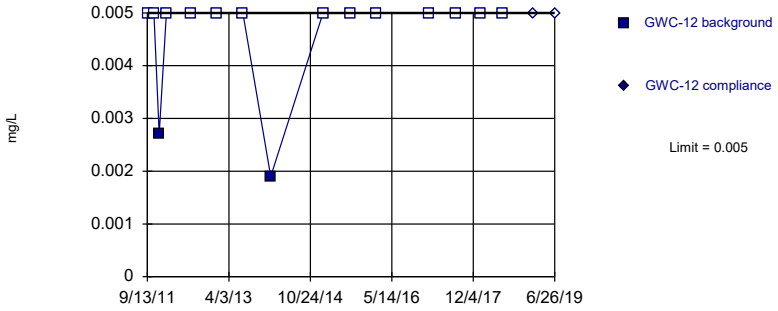
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL

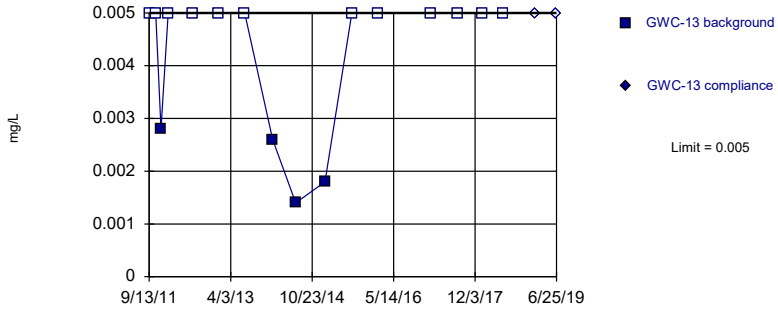
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL

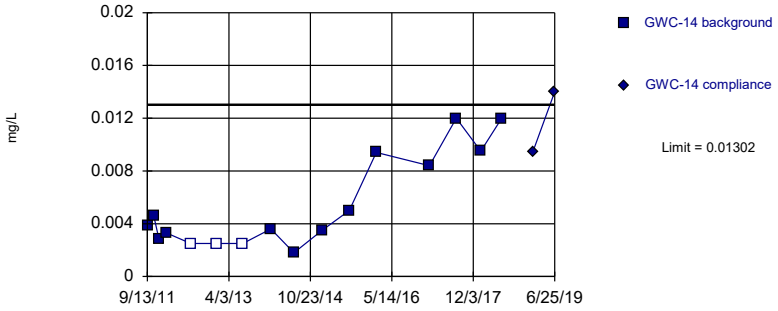
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Exceeds Limit

Zinc

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.0662, Std. Dev.=0.02159, n=16, 18.75% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8682, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL

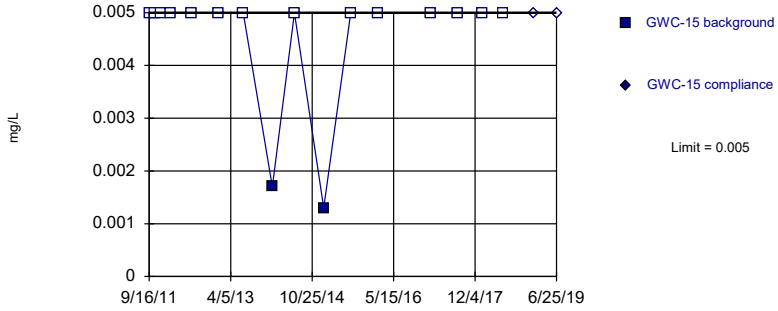
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

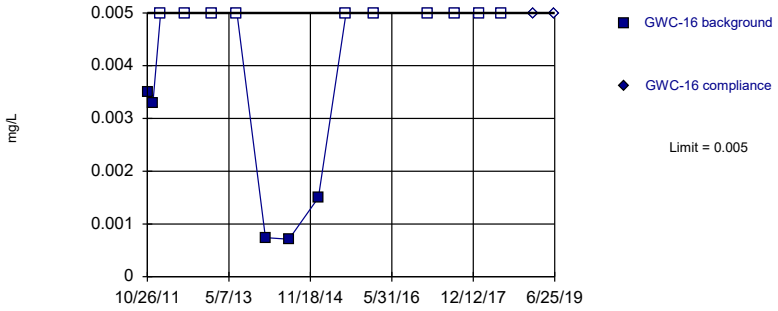
Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Zinc

Intrawell Non-parametric



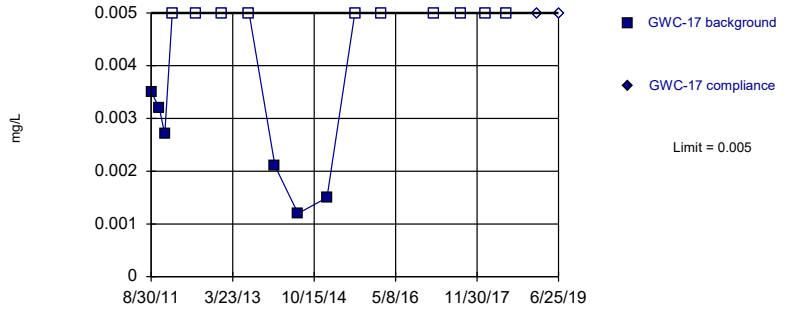
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Zinc

Intrawell Non-parametric



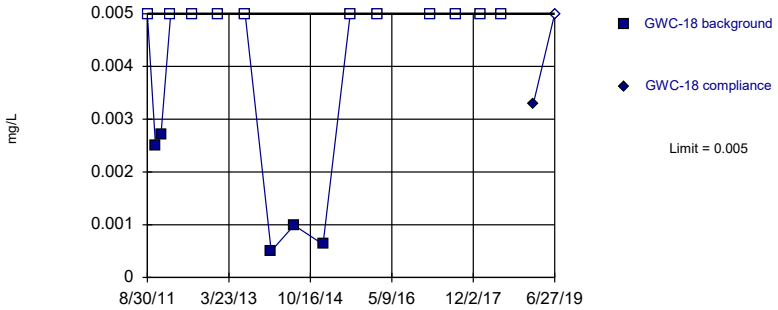
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Zinc

Intrawell Non-parametric



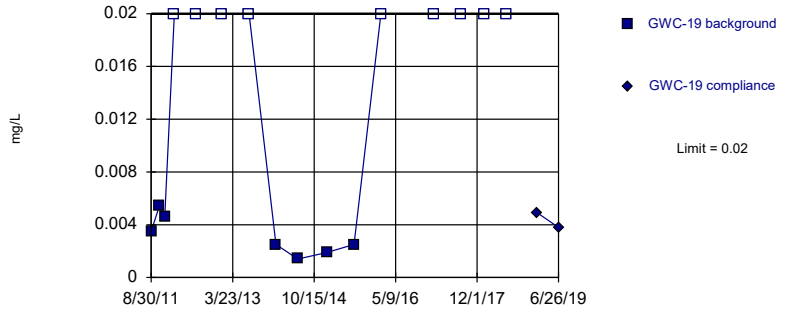
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Zinc

Intrawell Non-parametric



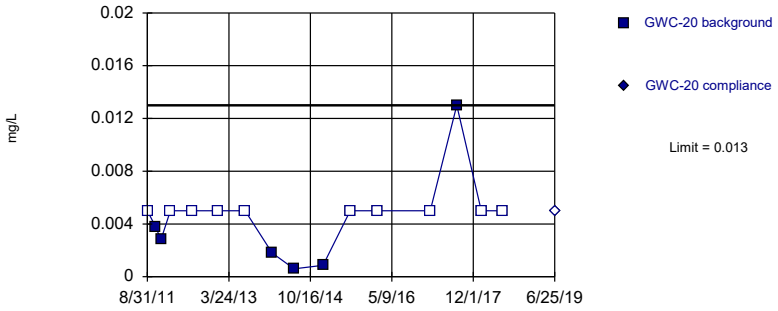
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Zinc

Intrawell Non-parametric



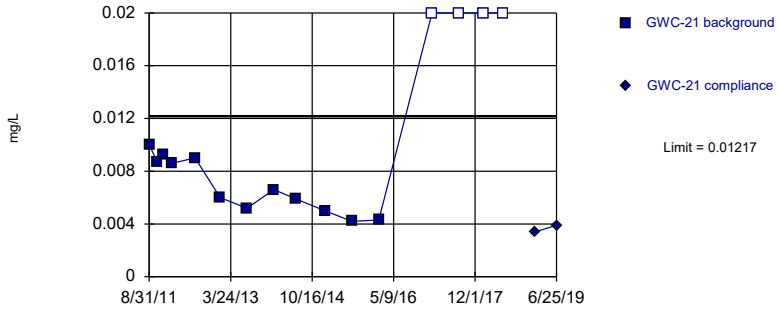
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Zinc

Intrawell Parametric



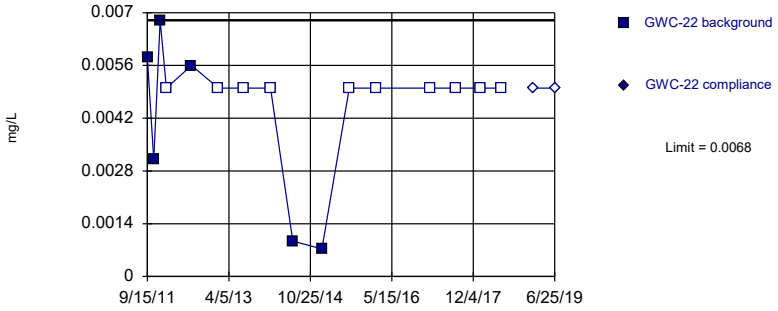
Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1885, Std. Dev.=0.01871, n=16, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8467, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Zinc

Intrawell Non-parametric



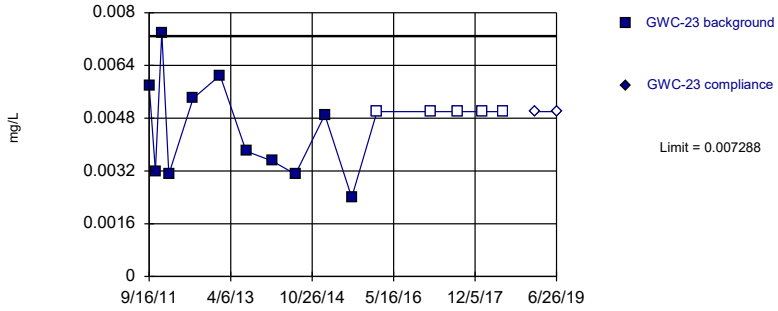
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Zinc

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00404, Std. Dev.=0.001464, n=16, 31.25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9409, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

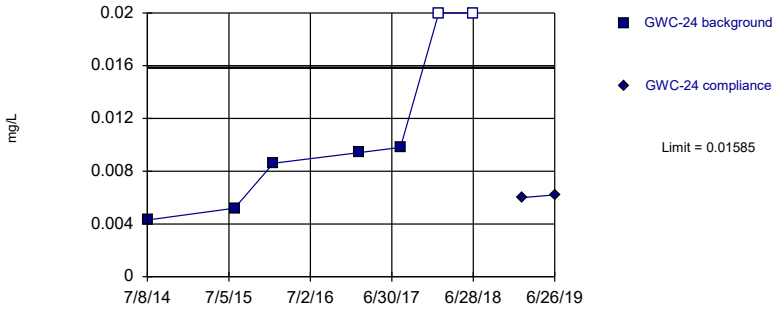
Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00746, Std. Dev.=0.002264, n=7, 28.57% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8331, critical = 0.73. Kappa = 3.706 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL

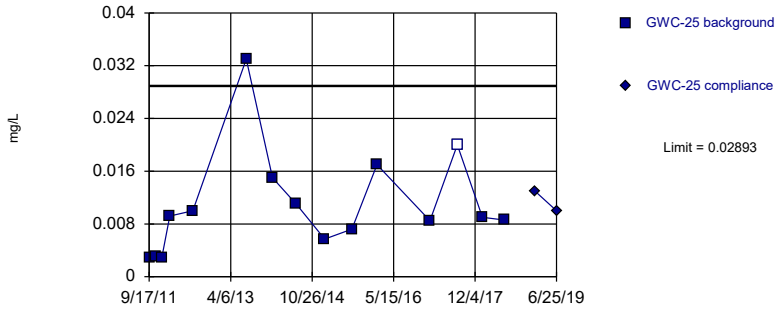
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Parametric



Background Data Summary: Mean=0.01086, Std. Dev.=0.007912, n=15, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8392, critical = 0.835. Kappa = 2.284 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL

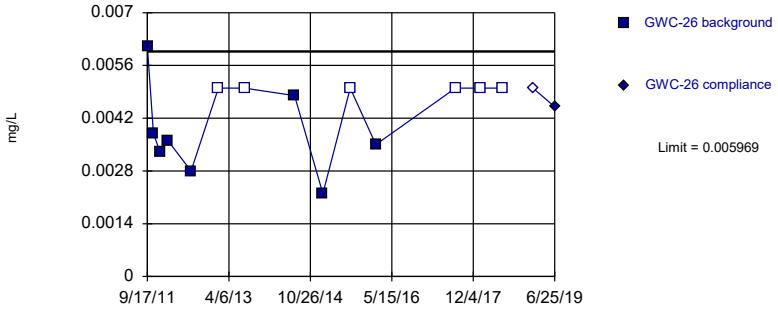
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003619, Std. Dev.=0.001, n=14, 42.86% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9003, critical = 0.825. Kappa = 2.349 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL

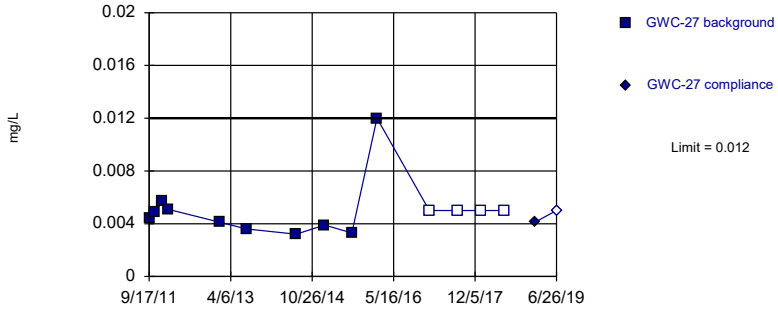
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 14 background values. 28.57% NDs. Well-constituent pair annual alpha = 0.003197. Individual comparison alpha = 0.0016 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL

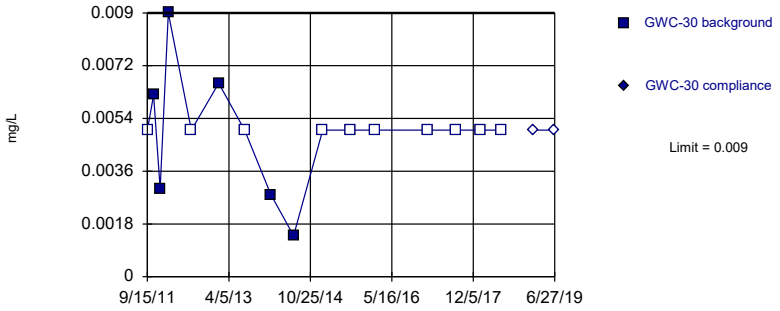
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL

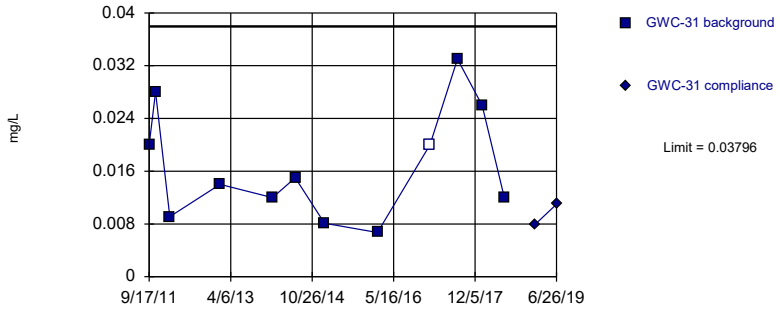
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Parametric



Background Data Summary: Mean=0.01699, Std. Dev.=0.008457, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.928, critical = 0.805. Kappa = 2.48 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL

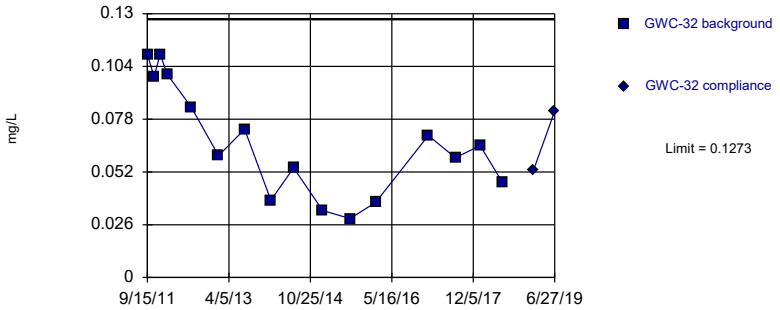
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

Within Limit

Zinc

Intrawell Parametric



Background Data Summary: Mean=0.06675, Std. Dev.=0.02729, n=16. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9315, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:05 AM View: State Intrawell PL

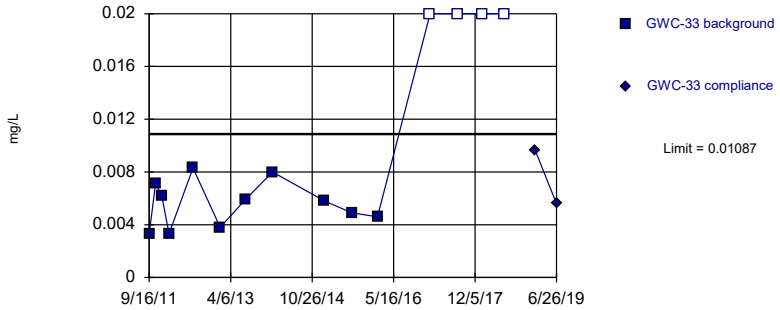
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Parametric



Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.239, Std. Dev.=0.3143, n=15, 26.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8617, critical = 0.835. Kappa = 2.284 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:06 AM View: State Intrawell PL

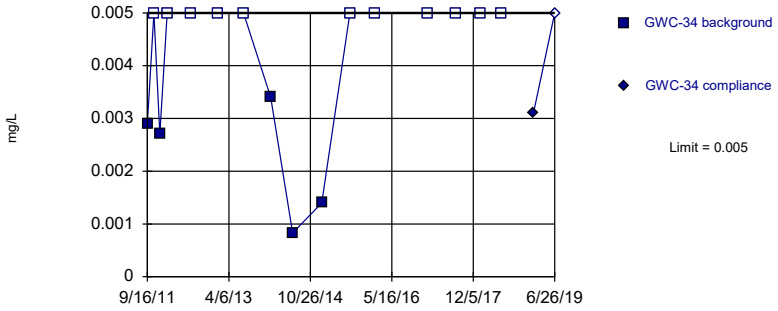
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

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. 68.75% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:07 AM View: State Intrawell PL

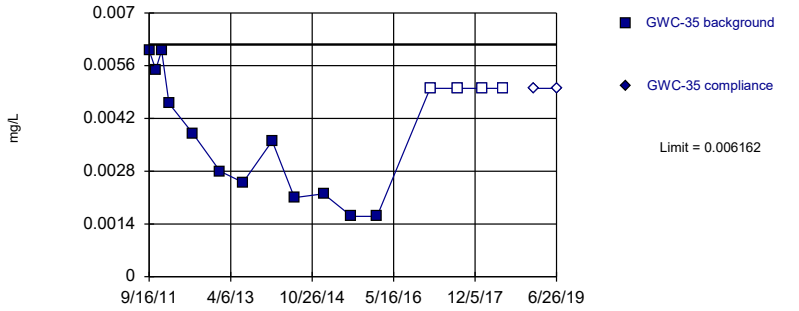
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003142, Std. Dev.=0.001361, n=16, 25% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9024, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:07 AM View: State Intrawell PL

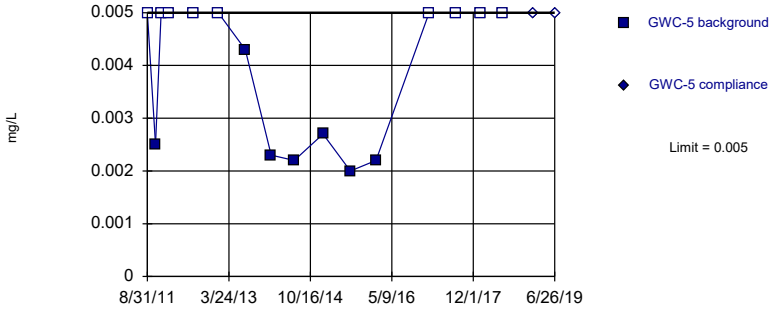
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:07 AM View: State Intrawell PL

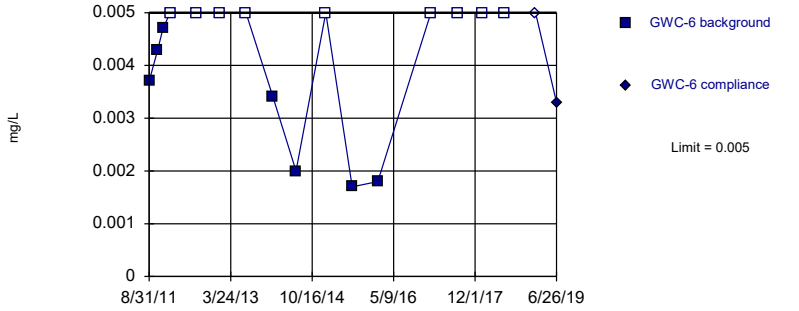
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Within Limit

Zinc

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 56.25% NDs. Well-constituent pair annual alpha = 0.002051. Individual comparison alpha = 0.001026 (1 of 3).

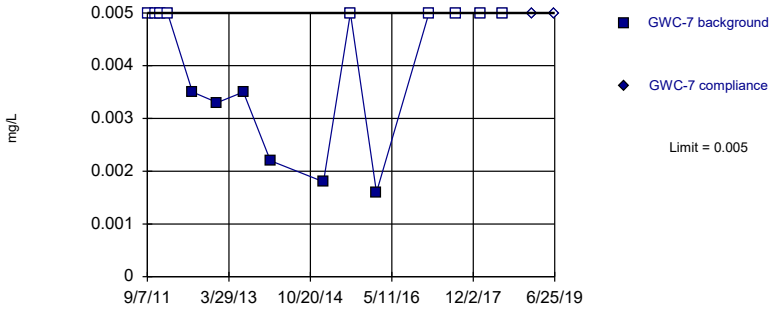
Prediction Limit Analysis Run 8/9/2019 11:07 AM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Zinc

Intrawell Non-parametric



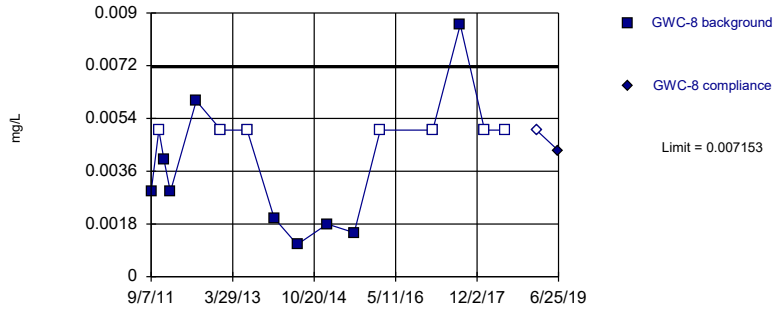
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 15 background values. 60% NDs. Well-constituent pair annual alpha = 0.002624. Individual comparison alpha = 0.001313 (1 of 3).

Prediction Limit Analysis Run 8/9/2019 11:07 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.
Within Limit

Zinc

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002775, Std. Dev.=0.001974, n=16, 43.75% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9044, critical = 0.844. Kappa = 2.218 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:08 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

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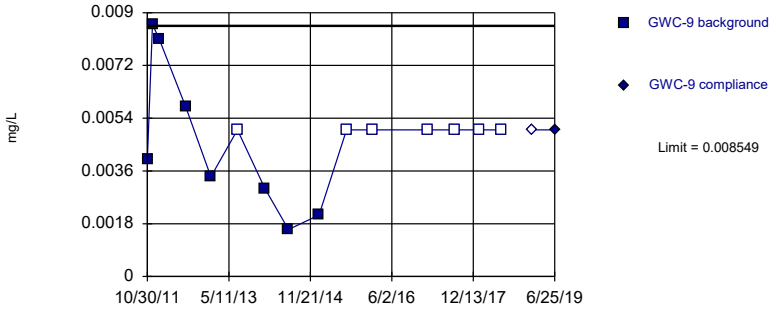
Hollow symbols indicate censored values.
Within Limit

Zinc

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003756, Std. Dev.=0.002099, n=15, 46.67% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9045, critical = 0.835. Kappa = 2.284 (c=16, w=29, 1 of 3, event alpha = 0.05132). Report alpha = 0.0001135.

Prediction Limit Analysis Run 8/9/2019 11:08 AM View: State Intrawell PL
Plant Wansley Client: Southern Company Data: Wansley Landfill

Prediction Limit

Constituent: Antimony Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29	GWA-3	GWA-3
8/31/2011							<0.002	
9/16/2011			<0.002					
9/17/2011	<0.002				<0.002			
10/27/2011	<0.002							
10/28/2011			<0.002		<0.002			
12/12/2011			<0.002		<0.002			
12/14/2011	<0.002							
1/25/2012			<0.002					
1/31/2012					<0.002			
2/7/2012	<0.002							
7/16/2012			<0.002					
7/17/2012					<0.002			
7/23/2012	<0.002							
1/23/2013	<0.002							
1/24/2013			<0.002		<0.002			
7/23/2013			<0.002					
7/24/2013	<0.002				<0.002			
1/22/2014	<0.002		<0.002		<0.002			
6/25/2014							<0.002	
7/1/2014	<0.002		<0.002					
7/8/2014					<0.002 (D)			
1/21/2015			<0.002		<0.002			
1/22/2015	<0.002							
7/21/2015			<0.002				<0.002	
7/22/2015	<0.002				<0.002			
1/19/2016					<0.002 (D)			
1/20/2016	<0.002							
1/22/2016			<0.002					
3/22/2016			<0.002		0.00113 (J)			
3/23/2016	0.00069 (J)							
3/31/2016							0.000602 (J)	
5/19/2016					0.00103 (J)			
5/23/2016			0.00103 (J)					
5/24/2016	<0.002							
5/25/2016							0.000642 (J)	
7/21/2016					0.0013 (J)			
7/25/2016			0.0021 (J)					
7/26/2016	0.0021 (J)							
7/27/2016							<0.002	
9/15/2016			0.0012 (J)					
9/16/2016	<0.002							
11/9/2016			<0.002					
11/10/2016	<0.002							
1/17/2017			<0.002		<0.002			
1/19/2017	<0.002							
3/16/2017			<0.002					
3/17/2017	<0.002							
4/27/2017			<0.002		<0.002			
4/28/2017	<0.002							
7/18/2017					<0.002			
8/1/2017			<0.002		<0.002		<0.002	
8/2/2017	<0.002							

Prediction Limit

Constituent: Antimony Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29	GWA-3	GWA-3
10/3/2017							<0.002	
1/19/2018	<0.002		<0.002		<0.002			
6/19/2018	<0.002		<0.002		<0.002			
6/20/2018							<0.002	
1/17/2019		<0.002						
1/18/2019						<0.002		<0.002
1/21/2019				<0.002				
6/24/2019		<0.002						
6/25/2019				<0.002		<0.002		<0.002

Prediction Limit

Constituent: Antimony Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-18	GWC-18	GWC-22	GWC-22
8/30/2011					<0.002			
9/13/2011			<0.002					
9/15/2011							<0.002	
10/26/2011					<0.002			
10/28/2011			<0.002					
10/29/2011							<0.002	
12/3/2011					<0.002			
12/4/2011			<0.002					
12/13/2011							<0.002	
1/25/2012							<0.002	
2/9/2012			<0.002		<0.002			
7/11/2012					<0.002			
7/18/2012			<0.002				<0.002	
1/8/2013			<0.002		<0.002			
1/22/2013							<0.002	
7/9/2013			<0.002					
7/16/2013					<0.002		<0.002	
1/14/2014					<0.002			
1/15/2014			0.0023 (J)					
1/21/2014							<0.002	
6/24/2014					<0.002			
6/25/2014			<0.002				<0.002	
1/13/2015					<0.002			
1/14/2015							<0.002	
1/21/2015			<0.002					
7/23/2015					<0.002		<0.002	
7/28/2015			<0.002					
1/25/2016	<0.002							
1/26/2016			<0.002				<0.002	
1/27/2016					<0.002			
3/29/2016			<0.002					
3/30/2016	<0.002				<0.002			
3/31/2016							<0.002	
5/25/2016	0.000703 (J)		<0.002					
5/26/2016					<0.002		<0.002	
7/25/2016			<0.002		0.0022 (J)			
7/26/2016							0.001 (J)	
7/27/2016	<0.002							
9/16/2016	<0.002							
9/19/2016			<0.002		<0.002			
9/20/2016							<0.002	
11/16/2016			<0.002					
11/17/2016	<0.002				<0.002		<0.002	
1/31/2017			<0.002					
2/1/2017	<0.002				<0.002			
2/3/2017							<0.002	
3/23/2017			<0.002					
3/24/2017	<0.002				<0.002			
3/28/2017							<0.002	
5/2/2017			<0.002					
5/3/2017	<0.002				<0.002		<0.002	
8/7/2017			<0.002		<0.002			

Prediction Limit

Constituent: Antimony Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-18	GWC-18	GWC-22	GWC-22
8/8/2017	<0.002						<0.002	
1/24/2018			<0.002					
1/25/2018	<0.002				<0.002		<0.002	
6/20/2018			<0.002				<0.002	
6/21/2018	<0.002				<0.002			
1/24/2019				<0.002				<0.002
1/28/2019						<0.002		
1/31/2019		0.00048 (J)						
6/25/2019								<0.002
6/26/2019		<0.002		<0.002				
6/27/2019						<0.002		

Prediction Limit

Constituent: Antimony Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26
9/16/2011	<0.002							
9/17/2011					<0.002		<0.002	
10/29/2011	<0.002						<0.002	
10/31/2011					<0.002			
12/13/2011	<0.002							
12/14/2011					<0.002		<0.002	
1/31/2012	<0.002							
2/7/2012					<0.002		<0.002	
7/17/2012					<0.002		<0.002	
7/18/2012	<0.002							
1/22/2013	<0.002							
1/24/2013							<0.002	
7/23/2013	<0.002							
7/24/2013					<0.002		<0.002	
1/22/2014	<0.002							
1/23/2014					<0.002		<0.002	
7/1/2014	<0.002							
7/8/2014			<0.002		<0.002		<0.002	
1/21/2015					<0.002		<0.002	
1/22/2015	<0.002							
7/29/2015	<0.002							
7/30/2015					<0.002			
7/31/2015			<0.002				<0.002	
1/20/2016			<0.002					
1/21/2016	<0.002				<0.002			
1/25/2016							<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)					
5/25/2016	<0.002		0.00163 (J)		0.00151 (J)		0.000943 (J)	
7/26/2016							<0.002	
7/27/2016	<0.002		0.0019 (J)		<0.002			
9/16/2016			0.002 (J)					
9/19/2016					<0.002		<0.002	
9/20/2016	<0.002							
11/14/2016							<0.002	
11/15/2016					<0.002			
11/18/2016	<0.002		0.0011 (J)					
1/19/2017							<0.002	
1/24/2017					<0.002			
2/3/2017	<0.002		<0.002					
3/16/2017							<0.002	
3/23/2017					<0.002			
3/28/2017	<0.002							
3/29/2017			<0.002					
5/1/2017							<0.002	
5/2/2017					<0.002			
5/4/2017	<0.002		<0.002					
8/3/2017					<0.002		<0.002	
8/8/2017	<0.002		<0.002					
1/22/2018							<0.002	

Prediction Limit

Constituent: Antimony Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26
1/25/2018	<0.002		<0.002		<0.002			
6/20/2018	<0.002							
6/27/2018			<0.002		<0.002		<0.002	
1/24/2019						<0.002		<0.002
1/25/2019		<0.002						
1/31/2019				0.00048 (J)				
6/25/2019						<0.002		<0.002
6/26/2019		<0.002		<0.002				

Prediction Limit

Constituent: Antimony Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32
9/15/2011			<0.002				<0.002	
9/17/2011	<0.002				<0.002			
10/28/2011			<0.002					
10/29/2011	<0.002							
10/31/2011					<0.002		<0.002	
12/13/2011			<0.002				<0.002	
12/14/2011	<0.002							
1/25/2012	<0.002							
2/1/2012							<0.002	
2/7/2012					<0.002			
2/8/2012			<0.002					
7/17/2012	<0.002						<0.002	
7/18/2012			<0.002					
1/23/2013					<0.002		<0.002	
1/24/2013	<0.002		<0.002					
7/24/2013	<0.002		<0.002				<0.002	
1/23/2014	<0.002		0.0014 (J)		<0.002		<0.002	
7/1/2014			<0.002		<0.002		<0.002	
7/8/2014	<0.002							
1/20/2015			<0.002				<0.002	
1/21/2015	<0.002				<0.002			
7/30/2015	<0.002		<0.002				<0.002	
1/19/2016			<0.002					
1/22/2016	<0.002							
1/25/2016					<0.002		<0.002	
3/23/2016	<0.002		<0.002				<0.002	
3/30/2016					<0.002			
5/20/2016			<0.002					
5/24/2016	<0.002						<0.002	
5/25/2016					0.00129 (J)			
7/21/2016			<0.002					
7/22/2016							<0.002	
7/26/2016	0.0013 (J)							
7/27/2016					0.0027			
9/16/2016							<0.002	
9/19/2016	<0.002							
9/20/2016			0.0012 (J)					
11/11/2016	<0.002							
11/14/2016			<0.002					
11/15/2016							<0.002	
1/20/2017	0.0014 (J)							
1/24/2017			<0.002					
1/25/2017					<0.002			
1/26/2017							<0.002	
3/16/2017	<0.002							
3/17/2017			<0.002					
3/23/2017					<0.002			
3/24/2017							<0.002	
4/28/2017	<0.002							
5/1/2017			<0.002					
5/2/2017					<0.002		<0.002	
7/19/2017					<0.002			

Prediction Limit

Constituent: Antimony Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32
8/3/2017	<0.002						<0.002	
8/4/2017			<0.002		<0.002			
1/19/2018	<0.002							
1/23/2018					<0.002		<0.002	
1/24/2018			<0.002					
6/21/2018			<0.002					
6/26/2018							<0.002	
6/27/2018	<0.002				<0.002			
1/24/2019		<0.002						
1/30/2019				0.0004 (J)				0.00039 (J)
1/31/2019						0.00042 (J)		
6/26/2019		<0.002				<0.002		
6/27/2019				<0.002				<0.002

Prediction Limit

Constituent: Antimony, Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33	GWC-5	GWC-5	GWC-6	GWC-6	GWA-1	GWA-1
8/31/2011			<0.002		<0.002			
9/16/2011	<0.002						<0.0013	
10/27/2011			<0.002				<0.0013	
10/30/2011	<0.002				<0.002			
12/5/2011			<0.002		<0.002			
12/13/2011	<0.002						<0.0013	
1/25/2012			<0.002		<0.002			
1/31/2012							<0.0013	
2/1/2012	<0.002							
7/17/2012	<0.002							
7/18/2012			<0.002				<0.0013	
7/24/2012					<0.002			
1/8/2013					<0.002			
1/9/2013			<0.002					
1/23/2013	<0.002							
1/24/2013							<0.0013	
7/9/2013					<0.002			
7/17/2013	<0.002		<0.002				<0.0013	
1/15/2014			<0.002		<0.002			
1/21/2014							<0.0013	
1/23/2014	<0.002							
6/25/2014			<0.002		<0.002		<0.0013	
1/13/2015			<0.002					
1/14/2015							<0.0013	
1/20/2015	<0.002				<0.002			
7/21/2015							<0.0013	
7/24/2015			<0.002		<0.002			
7/29/2015	<0.002							
1/20/2016			0.0024 (J)		<0.002			
1/21/2016							<0.0013	
1/25/2016	<0.002							
3/23/2016	<0.002						<0.0013	
3/28/2016			<0.002		<0.002			
5/20/2016							<0.0013	
5/23/2016			<0.002					
5/24/2016	<0.002				<0.002			
7/21/2016			<0.002		<0.002		<0.0013	
7/22/2016	<0.002							
9/15/2016			<0.002		<0.002		<0.0013	
9/16/2016	<0.002							
11/11/2016							<0.0013	
11/15/2016			<0.002					
11/16/2016					<0.002			
11/17/2016	<0.002							
1/19/2017							<0.0013	
1/25/2017	<0.002							
1/26/2017			<0.002		<0.002			
3/16/2017							<0.0013	
3/22/2017			<0.002		<0.002			
3/23/2017	<0.002							
4/28/2017							<0.0013	
5/1/2017	<0.002							

Prediction Limit

Constituent: Antimony, Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33	GWC-5	GWC-5	GWC-6	GWC-6	GWA-1	GWA-1
5/2/2017			<0.002		<0.002			
8/3/2017			<0.002		<0.002		<0.0013	
8/4/2017	<0.002							
1/19/2018							<0.0013	
1/23/2018	<0.002		<0.002		<0.002			
6/19/2018							<0.0013	
6/25/2018			<0.002		<0.002			
6/26/2018	<0.002							
1/17/2019								<0.0013
1/30/2019		0.00055 (J)		0.0004 (J)		0.00039 (J)		
6/24/2019								0.00054 (J)
6/26/2019		<0.002		<0.002		<0.002		

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29	GWA-3	GWA-3
8/31/2011							<0.001	
9/16/2011			<0.001					
9/17/2011	<0.0013				<0.001			
10/27/2011	<0.0013							
10/28/2011			<0.001		<0.001			
12/12/2011			<0.001		<0.001			
12/14/2011	<0.0013							
1/25/2012			<0.001					
1/31/2012					<0.001			
2/7/2012	<0.0013							
7/16/2012			<0.001					
7/17/2012					<0.001			
7/23/2012	<0.0013							
1/23/2013	<0.0013							
1/24/2013			<0.001		<0.001			
7/23/2013			<0.001					
7/24/2013	<0.0013				<0.001			
1/22/2014	<0.0013		<0.001		<0.001			
6/25/2014							<0.001	
7/1/2014	<0.0013		<0.001					
7/8/2014					<0.001 (D)			
1/21/2015			<0.001		<0.001			
1/22/2015	<0.0013							
7/21/2015			<0.001				<0.001	
7/22/2015	<0.0013				<0.001			
1/19/2016					<0.001 (D)			
1/20/2016	<0.0013							
1/22/2016			<0.001					
3/22/2016			<0.001		<0.001			
3/23/2016	<0.0013							
3/31/2016							<0.001	
5/19/2016					<0.001			
5/23/2016			<0.001					
5/24/2016	<0.0013							
5/25/2016							<0.001	
7/21/2016					<0.001			
7/25/2016			<0.001					
7/26/2016	<0.0013							
7/27/2016							<0.001	
9/15/2016			<0.001					
9/16/2016	<0.0013							
11/9/2016			<0.001					
11/10/2016	<0.0013							
1/17/2017			<0.001		<0.001			
1/19/2017	<0.0013							
3/16/2017			<0.001					
3/17/2017	<0.0013							
4/27/2017			<0.001		0.00064 (J)			
4/28/2017	<0.0013							
7/18/2017					<0.001			
8/1/2017			<0.001		<0.001		<0.001	
8/2/2017	<0.0013							

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29	GWA-3	GWA-3
10/3/2017							<0.001	
1/19/2018	<0.0013		<0.001		<0.001			
6/19/2018	<0.0013		0.00078 (J)		0.00095 (J)			
6/20/2018							0.001 (J)	
1/17/2019		<0.0013						
1/18/2019						<0.001		<0.001
1/21/2019				<0.001				
6/24/2019		0.00043 (J)						
6/25/2019				<0.001		<0.001		<0.001

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4	GWC-11	GWC-11	GWC-12	GWC-12	GWC-13	GWC-13
8/31/2011	<0.0013							
9/13/2011			<0.005		<0.001		<0.001	
10/27/2011	<0.0013							
10/28/2011			<0.005		<0.001		<0.001	
12/4/2011			<0.005		<0.001		<0.001	
12/14/2011	<0.0013							
1/24/2012					<0.001		<0.001	
2/1/2012	<0.0013							
2/9/2012			<0.005					
7/11/2012					<0.001		<0.001	
7/18/2012			<0.005					
7/23/2012	<0.0013							
1/8/2013			<0.005		<0.001		<0.001	
1/23/2013	<0.0013							
7/9/2013			<0.005					
7/10/2013					<0.001		<0.001	
7/17/2013	<0.0013							
1/15/2014	<0.0013		<0.005					
1/21/2014					<0.001		<0.001	
6/25/2014	<0.0013		<0.005					
7/1/2014					<0.001		<0.001	
1/14/2015	<0.0013							
1/21/2015			<0.005		<0.001		<0.001	
7/21/2015	<0.0013							
7/28/2015			<0.005		<0.001		<0.001	
1/20/2016	<0.0013							
1/26/2016			<0.005		<0.001			
1/27/2016							<0.001	
3/23/2016	<0.0013							
3/29/2016			0.00165 (J)		<0.001		<0.001	
5/19/2016	<0.0013							
5/25/2016			0.00191 (J)		<0.001		<0.001	
7/21/2016	0.00062 (J)							
7/22/2016					0.00047 (J)			
7/25/2016			0.0016					
7/26/2016							<0.001	
9/14/2016	<0.0013							
9/15/2016					<0.001		<0.001	
9/19/2016			0.0021					
11/10/2016	<0.0013							
11/16/2016			0.0012 (J)		<0.001			
11/17/2016							<0.001	
1/17/2017	<0.0013							
1/31/2017			0.001 (J)		<0.001		<0.001	
3/16/2017	<0.0013							
3/23/2017			0.00076 (J)		<0.001		0.00067 (J)	
4/27/2017	<0.0013							
5/2/2017			0.0012 (J)					
5/3/2017					0.0024		<0.001	
8/2/2017	<0.0013							
8/4/2017							<0.001	
8/7/2017			0.0018		<0.001			

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4	GWC-11	GWC-11	GWC-12	GWC-12	GWC-13	GWC-13
1/22/2018	0.00068 (J)							
1/24/2018			0.0011 (J)		<0.001			
1/25/2018							<0.001	
6/19/2018	0.0011 (J)							
6/20/2018			0.002				0.0012 (J)	
6/26/2018					<0.001			
1/17/2019		<0.0013						
1/22/2019								<0.001
1/24/2019				0.00065 (J)				
1/25/2019						<0.001		
6/24/2019		0.00032 (J)						
6/25/2019								<0.001
6/26/2019				0.0015		<0.001		

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14	GWC-16	GWC-16	GWC-18	GWC-18	GWC-19	GWC-19
8/30/2011			<0.001		<0.001		<0.001	
9/13/2011	<0.0013							
10/26/2011			<0.001		<0.001		<0.001	
10/27/2011	<0.0013							
12/3/2011	<0.0013		<0.001		<0.001		<0.001	
1/24/2012	<0.0013							
1/25/2012			<0.001					
2/8/2012							<0.001	
2/9/2012					<0.001			
7/11/2012	<0.0013		<0.001		<0.001		<0.001	
1/8/2013	<0.0013		<0.001		<0.001		<0.001	
7/2/2013			<0.001					
7/10/2013	<0.0013							
7/16/2013					<0.001		<0.001	
1/14/2014			<0.001		<0.001			
1/21/2014	<0.0013						<0.001	
6/24/2014					<0.001		<0.001	
6/25/2014			<0.001					
7/1/2014	<0.0013							
1/13/2015			<0.001		<0.001		<0.001	
1/14/2015	<0.0013							
7/22/2015	<0.0013		<0.001					
7/23/2015					<0.001		<0.001	
1/27/2016	<0.0013		<0.001		<0.001		<0.001	
3/30/2016	<0.0013		<0.001		<0.001		<0.001	
5/25/2016	<0.0013		<0.001					
5/26/2016					<0.001		<0.001	
7/25/2016					0.00056 (J)		<0.001	
7/26/2016	0.00096 (J)							
7/27/2016			<0.001					
9/15/2016	<0.0013							
9/16/2016			<0.001					
9/19/2016					<0.001		<0.001	
11/17/2016	<0.0013		<0.001		<0.001		<0.001	
2/1/2017	<0.0013		<0.001		<0.001			
2/2/2017							<0.001	
3/23/2017	<0.0013							
3/24/2017			<0.001		<0.001		<0.001	
5/3/2017	<0.0013		<0.001		<0.001		<0.001	
8/7/2017	<0.0013		<0.001		<0.001		<0.001	
1/25/2018	<0.0013		<0.001		<0.001		<0.001	
6/20/2018	<0.0013		0.00084 (J)					
6/21/2018					0.001 (J)		0.0013	
1/22/2019		0.00041 (J)						
1/25/2019				<0.001				
1/28/2019						<0.001		<0.001
6/25/2019		0.00048 (J)		<0.001				
6/26/2019								<0.001
6/27/2019						<0.001		

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20	GWC-22	GWC-22	GWC-23	GWC-23	GWC-24	GWC-24
8/31/2011	<0.001							
9/15/2011			<0.001					
9/16/2011					<0.001			
10/27/2011	<0.001							
10/29/2011			<0.001		<0.001			
12/4/2011	<0.001							
12/13/2011			<0.001		<0.001			
1/25/2012			<0.001					
1/31/2012					<0.001			
2/8/2012	<0.001							
7/11/2012	<0.001							
7/18/2012			<0.001		<0.001			
1/8/2013	<0.001							
1/22/2013			<0.001		<0.001			
7/16/2013	<0.001		<0.001					
7/23/2013					<0.001			
1/21/2014	<0.001		<0.001					
1/22/2014					<0.001			
6/24/2014	<0.001							
6/25/2014			<0.001					
7/1/2014					<0.001			
7/8/2014							<0.001	
1/13/2015	<0.001							
1/14/2015			<0.001					
1/22/2015					<0.001			
7/23/2015	<0.001		<0.001					
7/29/2015					<0.001			
7/31/2015							<0.001	
1/20/2016							<0.001	
1/21/2016					<0.001			
1/26/2016			<0.001					
1/27/2016	<0.001							
3/29/2016					<0.001			
3/30/2016	<0.001						<0.001	
3/31/2016			<0.001					
5/25/2016					<0.001		<0.001	
5/26/2016	<0.001		<0.001					
7/25/2016	<0.001							
7/26/2016			<0.001					
7/27/2016					<0.001		<0.001	
9/16/2016							<0.001	
9/20/2016	<0.001		<0.001		<0.001			
11/17/2016	<0.001		<0.001					
11/18/2016					<0.001		0.00055 (J)	
2/2/2017	<0.001							
2/3/2017			<0.001		<0.001		<0.001	
3/28/2017	<0.001		<0.001		<0.001			
3/29/2017							<0.001	
5/3/2017			<0.001					
5/4/2017	<0.001				<0.001		<0.001	
8/7/2017	<0.001							
8/8/2017			<0.001		<0.001		<0.001	

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20	GWC-22	GWC-22	GWC-23	GWC-23	GWC-24	GWC-24
1/25/2018			<0.001		<0.001		<0.001	
1/26/2018	<0.001							
6/20/2018			0.00073 (J)		0.00086 (J)			
6/21/2018	0.00049 (J)							
6/27/2018							<0.001	
1/24/2019				<0.001				
1/25/2019						<0.001		
1/28/2019		<0.001						
1/31/2019								<0.001
6/25/2019		<0.001		<0.001				
6/26/2019						<0.001		<0.001

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25	GWC-26	GWC-26	GWC-31	GWC-31	GWC-32	GWC-32
9/15/2011							<0.001	
9/17/2011	<0.001		<0.001		<0.001			
10/29/2011			<0.001					
10/31/2011	<0.001				<0.001		<0.001	
12/13/2011							<0.001	
12/14/2011	<0.001		<0.001					
2/1/2012							<0.001	
2/7/2012	<0.001		<0.001		<0.001			
7/17/2012	<0.001		<0.001				<0.001	
1/23/2013					<0.001		<0.001	
1/24/2013			<0.001					
7/24/2013	<0.001		<0.001				<0.001	
1/23/2014	<0.001		<0.001		<0.001		<0.001	
7/1/2014					<0.001		<0.001	
7/8/2014	<0.001		<0.001					
1/20/2015							<0.001	
1/21/2015	<0.001		<0.001		<0.001			
7/30/2015	<0.001						<0.001	
7/31/2015			<0.001					
1/21/2016	<0.001							
1/25/2016			<0.001		<0.001		<0.001	
3/23/2016							<0.001	
3/24/2016			<0.001					
3/28/2016	<0.001							
3/30/2016					<0.001			
5/24/2016							<0.001	
5/25/2016	<0.001		<0.001		<0.001			
7/22/2016							<0.001	
7/26/2016			<0.001					
7/27/2016	<0.001				0.00055 (J)			
9/16/2016							<0.001	
9/19/2016	<0.001		<0.001					
11/14/2016			<0.001					
11/15/2016	<0.001						<0.001	
1/19/2017			<0.001					
1/24/2017	0.00061 (J)							
1/25/2017					<0.001			
1/26/2017							<0.001	
3/16/2017			<0.001					
3/23/2017	<0.001				<0.001			
3/24/2017							<0.001	
5/1/2017			<0.001					
5/2/2017	0.00085 (J)				<0.001		<0.001	
7/19/2017					0.00055 (J)			
8/3/2017	<0.001		<0.001				<0.001	
8/4/2017					<0.001			
1/22/2018			0.00054 (J)					
1/23/2018					0.0012 (J)		0.00078 (J)	
1/25/2018	<0.001							
6/26/2018							<0.001	
6/27/2018	<0.001		<0.001		<0.001			
1/24/2019		<0.001		<0.001				

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25	GWC-26	GWC-26	GWC-31	GWC-31	GWC-32	GWC-32
1/30/2019								<0.001
1/31/2019						<0.001		
6/25/2019		<0.001		<0.001				
6/26/2019						<0.001		
6/27/2019								<0.001

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33	GWC-34	GWC-34	GWC-35	GWC-35	GWC-5	GWC-5
8/31/2011							<0.001	
9/16/2011	<0.001		<0.001		<0.001			
10/27/2011							<0.001	
10/30/2011	<0.001							
10/31/2011			<0.001		<0.001			
12/5/2011							<0.001	
12/12/2011			<0.001		<0.001			
12/13/2011	<0.001							
1/25/2012							<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	
1/9/2013							<0.001	
1/22/2013			<0.001		<0.001			
1/23/2013	<0.001							
7/2/2013					<0.001			
7/17/2013	<0.001		<0.001				<0.001	
1/15/2014							<0.001	
1/21/2014					<0.001			
1/23/2014	<0.001		<0.001					
6/25/2014			<0.001		<0.001		<0.001	
1/13/2015							<0.001	
1/14/2015			<0.001		<0.001			
1/20/2015	<0.001							
7/24/2015							<0.001	
7/28/2015					<0.001			
7/29/2015	<0.001		<0.001					
1/20/2016							<0.001	
1/21/2016			<0.001		<0.001			
1/25/2016	<0.001							
3/23/2016	<0.001							
3/24/2016			<0.001		<0.001			
3/28/2016							<0.001	
5/23/2016			<0.001		<0.001		<0.001	
5/24/2016	<0.001							
7/21/2016			<0.001		<0.001		<0.001	
7/22/2016	<0.001							
9/15/2016			<0.001		<0.001		<0.001	
9/16/2016	<0.001							
11/15/2016			<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	
3/22/2017			<0.001		<0.001		<0.001	
3/23/2017	<0.001							
5/1/2017	<0.001		<0.001					
5/2/2017					<0.001		<0.001	
8/3/2017			<0.001		<0.001		<0.001	
8/4/2017	<0.001							
1/23/2018	0.0013		0.0012 (J)		0.001 (J)		0.0014	
6/19/2018					<0.001			

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33	GWC-34	GWC-34	GWC-35	GWC-35	GWC-5	GWC-5
6/20/2018			0.001 (J)					
6/25/2018							<0.001	
6/26/2018	<0.001							
1/21/2019						<0.001		
1/28/2019				<0.001				
1/30/2019		<0.001						<0.001
6/26/2019		<0.001		<0.001		<0.001		<0.001

Prediction Limit

Constituent: Arsenic Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9
8/31/2011	<0.001							
9/7/2011			<0.0013		<0.0013		<0.0013	
10/30/2011	<0.001		<0.0013		<0.0013		<0.0013	
12/4/2011							<0.0013	
12/5/2011	<0.001		<0.0013		<0.0013			
1/19/2012					<0.0013		<0.0013	
1/25/2012	<0.001		<0.0013					
7/18/2012			<0.0013		<0.0013		<0.0013	
7/24/2012	<0.001							
1/7/2013			<0.0013		<0.0013			
1/8/2013	<0.001						<0.0013	
7/9/2013	<0.001		<0.0013		<0.0013		<0.0013	
1/14/2014			<0.0013		<0.0013		<0.0013	
1/15/2014	<0.001							
6/24/2014			<0.0013		<0.0013		<0.0013	
6/25/2014	<0.001							
1/20/2015	<0.001		<0.0013		<0.0013		<0.0013	
7/24/2015	<0.001							
7/27/2015			<0.0013		<0.0013		<0.0013	
1/20/2016	<0.001							
1/26/2016			<0.0013		<0.0013		<0.0013	
3/28/2016	<0.001							
3/29/2016			<0.0013		<0.0013		<0.0013	
5/24/2016	<0.001		<0.0013		<0.0013		<0.0013	
7/21/2016	<0.001							
7/22/2016			0.00049 (J)					
7/25/2016							0.00046 (J)	
7/26/2016					<0.0013			
9/15/2016	<0.001		<0.0013					
9/19/2016					<0.0013		<0.0013	
11/16/2016	<0.001		<0.0013		<0.0013		<0.0013	
1/26/2017	<0.001		<0.0013		<0.0013			
1/31/2017							0.0011 (J)	
3/22/2017	<0.001		<0.0013					
3/23/2017					<0.0013		0.00076 (J)	
5/2/2017	<0.001		<0.0013				<0.0013	
5/3/2017					<0.0013			
8/3/2017	<0.001							
8/4/2017			<0.0013					
8/7/2017					<0.0013		0.00052 (J)	
1/23/2018	0.00075 (J)		0.0012 (J)					
1/24/2018					<0.0013		<0.0013	
6/21/2018					0.00052 (J)		0.00095 (J)	
6/25/2018	<0.001		<0.0013					
1/21/2019				<0.0013				
1/22/2019						<0.0013		0.00059 (J)
1/30/2019		<0.001						
6/25/2019				0.00035 (J)		0.00045 (J)		0.00086 (J)
6/26/2019		<0.001						

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29
9/16/2011	0.013				0.0022			
9/17/2011			0.011				0.0016	
10/27/2011	0.012		0.013					
10/28/2011					0.0016		0.0015	
12/12/2011					0.0018		0.0013	
12/13/2011	0.012							
12/14/2011			0.01					
1/25/2012					<0.01			
1/31/2012	0.011						<0.01	
2/7/2012			0.014					
7/16/2012					0.0011			
7/17/2012							0.0016	
7/18/2012	0.012							
7/23/2012			0.014					
1/23/2013			0.02					
1/24/2013	0.012				<0.01		0.0013	
7/17/2013	0.0097							
7/23/2013					<0.01			
7/24/2013			0.016				0.0022	
1/21/2014	0.0096							
1/22/2014			0.017		0.0013		0.0012 (J)	
6/25/2014	0.0094							
7/1/2014			0.015		0.0012 (J)			
7/8/2014							0.0013 (D)	
1/14/2015	0.0095							
1/21/2015					0.00042 (J)		0.0015	
1/22/2015			0.019					
7/21/2015	0.0099				0.00055 (J)			
7/22/2015			0.014				0.0014	
1/19/2016							0.00092 (JD)	
1/20/2016			0.016					
1/21/2016	0.011							
1/22/2016					0.00037 (J)			
3/22/2016					<0.01		<0.01	
3/23/2016	0.00968 (J)		0.00773 (J)					
5/19/2016							0.00265 (J)	
5/20/2016	0.0096 (J)							
5/23/2016					<0.01			
5/24/2016			0.00761 (J)					
7/21/2016	0.0087						0.0038	
7/25/2016					0.001 (J)			
7/26/2016			0.0078					
9/15/2016	0.0086				0.00092 (J)			
9/16/2016			0.017					
11/9/2016					0.0016 (J)			
11/10/2016			0.016					
11/11/2016	0.0095							
1/17/2017					<0.01		0.0011 (J)	
1/19/2017	0.0087		0.02					
3/16/2017	0.01				0.00055 (J)			
3/17/2017			0.016					
4/27/2017					<0.01		0.00097 (J)	

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29
4/28/2017	0.0091		0.016					
7/18/2017							0.0016 (J)	
8/1/2017					0.00059 (J)		0.0011 (J)	
8/2/2017			0.014					
8/3/2017	0.0099							
1/19/2018	0.0089		0.014		<0.01		0.00076 (J)	
6/19/2018	0.012		0.015		<0.01		0.00078 (J)	
1/17/2019		0.01		0.01				
1/18/2019								0.0007 (J)
1/21/2019						0.00088		
6/24/2019		0.0096 (J)		0.011				
6/25/2019						<0.01		<0.01

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3	GWA-4	GWA-4	GWC-10	GWC-10	GWC-11	GWC-11
8/31/2011	0.1		0.092					
9/13/2011							0.2	
10/27/2011			0.061					
10/28/2011							0.27	
12/4/2011							0.22	
12/14/2011			0.1					
2/1/2012			0.087					
2/9/2012							0.19	
7/18/2012							0.36	
7/23/2012			0.13					
1/8/2013							0.2	
1/23/2013			0.11					
7/9/2013							0.26	
7/17/2013			0.087					
1/15/2014			0.081				0.21	
6/25/2014	0.048		0.081				0.44	
1/14/2015			0.13					
1/21/2015							0.31	
7/21/2015	0.036		0.11					
7/28/2015							0.38	
1/20/2016			0.086					
1/25/2016					0.014			
1/26/2016							0.15	
3/23/2016			0.112					
3/29/2016							0.372	
3/30/2016					0.0127			
3/31/2016	0.027							
5/19/2016			0.11					
5/25/2016	0.027				0.014		0.396	
7/21/2016			0.14					
7/25/2016							0.25	
7/27/2016	0.029				0.03			
9/14/2016			0.15					
9/16/2016					0.017			
9/19/2016							0.33	
11/10/2016			0.17					
11/16/2016							0.29	
11/17/2016					0.028			
1/17/2017			0.18					
1/31/2017							0.19	
2/1/2017					0.023			
3/16/2017			0.15					
3/23/2017							0.24	
3/24/2017					0.012			
4/27/2017			0.13					
5/2/2017							0.34	
5/3/2017					0.024			
8/1/2017	0.03							
8/2/2017			0.15					
8/7/2017							0.4	
8/8/2017					0.014			
10/3/2017	0.038							

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3	GWA-4	GWA-4	GWC-10	GWC-10	GWC-11	GWC-11
1/22/2018			0.15					
1/24/2018							0.27	
1/25/2018					0.025			
6/19/2018			0.13					
6/20/2018	0.029						0.31	
6/21/2018					0.023			
1/17/2019				0.12				
1/18/2019		0.033						
1/24/2019								0.09
1/31/2019						0.025		
6/24/2019				0.12				
6/25/2019		0.082						
6/26/2019						0.02		0.26

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12	GWC-13	GWC-13	GWC-14	GWC-14	GWC-15	GWC-15
9/13/2011	0.013		0.0043		0.01			
9/16/2011							0.0061	
10/27/2011					0.019		0.0068	
10/28/2011	0.0092		0.0041					
12/3/2011					0.011		0.0067	
12/4/2011	0.0089		0.0037					
1/24/2012	0.0099		0.0042		0.015			
2/9/2012							0.0066	
7/11/2012	0.0099		0.0038		0.01		0.0064	
1/8/2013	0.012		0.0034		0.013		0.0075	
7/2/2013							0.011	
7/10/2013	0.014		0.0035		0.014			
1/21/2014	0.014		0.0037		<0.0013		0.012	
6/24/2014							0.0094	
7/1/2014	0.014		0.0035		0.014			
1/14/2015					0.033		0.01	
1/21/2015	0.016		0.0031					
7/22/2015					0.072		0.0084	
7/28/2015	0.013		0.0039					
1/26/2016	0.014							
1/27/2016			0.0026		0.083		0.012	
3/29/2016	0.0179		0.00337 (J)					
3/30/2016					0.0943		0.0136	
5/25/2016	0.0173		0.0028 (J)		0.117		0.00957 (J)	
7/22/2016	0.017							
7/26/2016			0.0023 (J)		0.11		0.0068	
9/15/2016	0.017		0.0026		0.16			
9/20/2016							0.007	
11/16/2016	0.018							
11/17/2016			0.0027		0.27		0.0072	
1/31/2017	0.022		0.0029					
2/1/2017					0.088		0.009	
3/23/2017	0.019		0.0032		0.11		0.011	
5/3/2017	0.02		0.0028		0.1		0.0092	
8/4/2017			0.0032				0.01	
8/7/2017	0.021				0.23			
1/24/2018	0.022							
1/25/2018			0.0037		0.1		0.01	
6/20/2018			0.0035		0.25		0.011	
6/26/2018	0.021							
1/22/2019				0.0029		0.15		0.012
1/25/2019		0.024						
6/25/2019				0.0069 (J)		0.16		0.0096 (J)
6/26/2019		0.02						

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16	GWC-17	GWC-17	GWC-18	GWC-18	GWC-19	GWC-19
8/30/2011	0.018		0.021		0.033		0.037	
10/26/2011	0.017		0.014		0.028		0.037	
12/3/2011	0.018		0.015		0.03		0.037	
1/25/2012	0.017		0.014					
2/8/2012							0.048	
2/9/2012					0.029			
7/11/2012	0.017		0.015		0.03		0.035	
1/8/2013	0.019		0.017		0.036		0.059	
7/2/2013	0.017							
7/16/2013			0.013		0.034		0.069	
1/14/2014	0.017		0.015		0.037			
1/21/2014							0.075	
6/24/2014					0.032			
6/25/2014	0.017		0.016					
1/13/2015	0.017				0.034		0.076	
1/14/2015			0.017					
7/22/2015	0.017							
7/23/2015					0.03		0.05	
7/28/2015			0.016					
1/27/2016	0.016		0.016		0.032		0.092	
3/30/2016	0.0174		0.0178		0.0349		0.0986	
5/25/2016	0.0173		0.0169					
5/26/2016					0.0323		0.0687	
7/25/2016					0.031		0.047	
7/27/2016	0.016		0.016					
9/16/2016	0.016							
9/19/2016			0.016		0.028		0.039	
11/17/2016	0.017		0.017		0.033		0.046	
2/1/2017	0.018		0.017		0.037			
2/2/2017							0.085	
3/24/2017	0.017		0.016		0.037		0.079	
5/3/2017	0.017		0.016		0.034		0.1	
8/7/2017	0.017		0.017		0.035		0.06	
1/25/2018	0.016		0.015		0.033		0.094	
6/20/2018	0.017							
6/21/2018					0.033		0.09	
6/26/2018			0.017					
1/24/2019				0.016				
1/25/2019		0.019						
1/28/2019						0.037		0.12
6/25/2019		0.018		0.017				
6/26/2019								0.077
6/27/2019						0.035		

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20	GWC-21	GWC-21	GWC-22	GWC-22	GWC-23	GWC-23
8/31/2011	0.038		0.015					
9/15/2011					0.025			
9/16/2011							0.011	
10/27/2011	0.034		0.01					
10/29/2011					0.024		0.0075	
12/4/2011	0.033		0.011					
12/13/2011					0.027		0.011	
1/25/2012					0.029			
1/31/2012							0.009	
2/8/2012	0.037		0.013					
7/11/2012	0.035							
7/17/2012			0.013					
7/18/2012					0.027		0.0076	
1/8/2013	0.034							
1/9/2013			0.013					
1/22/2013					0.029		0.0078	
7/16/2013	0.034		0.023		0.025			
7/23/2013							0.0075	
1/21/2014	0.035		0.026		0.027			
1/22/2014							0.004	
6/24/2014	0.034		0.027					
6/25/2014					0.025			
7/1/2014							0.0066	
1/13/2015	0.031		0.024					
1/14/2015					0.025			
1/22/2015							0.0067	
7/23/2015	0.036		0.024		0.025			
7/29/2015							0.0064	
1/21/2016							0.0055	
1/26/2016			0.026		0.023			
1/27/2016	0.03							
3/29/2016							0.0114	
3/30/2016	0.0344		0.0293					
3/31/2016					0.0249			
5/25/2016							0.00579 (J)	
5/26/2016	0.0336		0.0237		0.0235			
7/25/2016	0.03							
7/26/2016			0.016		0.021			
7/27/2016							0.0043	
9/20/2016	0.035		0.014		0.026		0.0056	
11/17/2016	0.034		0.012		0.025			
11/18/2016							0.0043	
2/2/2017	0.035		0.014					
2/3/2017					0.027		0.005	
3/28/2017	0.031		0.021		0.024		0.0041	
5/3/2017					0.025			
5/4/2017	0.035		0.02				0.0063	
8/7/2017	0.033		0.027					
8/8/2017					0.025		0.006	
1/25/2018					0.027		0.0048	
1/26/2018	0.038		0.032					
6/20/2018			0.033		0.026		0.0047	

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20	GWC-21	GWC-21	GWC-22	GWC-22	GWC-23	GWC-23
6/21/2018	0.031							
1/24/2019				0.046		0.026		
1/25/2019								0.0069
1/28/2019		0.033						
6/25/2019		0.034		0.046		0.026		
6/26/2019								0.0041 (J)

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27
9/17/2011			0.016		0.038		0.02	
10/29/2011					0.036		0.015	
10/31/2011			0.013					
12/14/2011			0.018		0.035		0.016	
1/25/2012							0.016	
2/7/2012			0.033		0.04			
7/17/2012			0.025		0.033		0.0057	
1/24/2013					0.034		0.0062	
7/24/2013			0.043		0.036		0.01	
1/23/2014			0.025		0.031		0.013	
7/8/2014	0.022		0.046		0.031		0.014	
1/21/2015			0.023		0.031		0.015	
7/30/2015			0.022				0.0092	
7/31/2015	0.02				0.017			
1/20/2016	0.026							
1/21/2016			0.028					
1/22/2016							0.0063	
1/25/2016					0.03			
3/23/2016							0.0107	
3/24/2016					0.0362			
3/28/2016			0.0383					
3/30/2016	0.00874 (J)							
5/24/2016							0.00672 (J)	
5/25/2016	0.00545 (J)		0.0439		0.0348			
7/26/2016					0.028		0.0085	
7/27/2016	0.0047		0.037					
9/16/2016	0.018							
9/19/2016			0.041		0.029		0.008	
11/11/2016							0.017	
11/14/2016					0.036			
11/15/2016			0.033					
11/18/2016	0.022							
1/19/2017					0.034			
1/20/2017							0.013	
1/24/2017			0.04					
2/3/2017	0.02							
3/16/2017					0.035		0.0096	
3/23/2017			0.032					
3/29/2017	0.02							
4/28/2017							0.0097	
5/1/2017					0.03			
5/2/2017			0.041					
5/4/2017	0.023							
8/3/2017			0.012		0.032		0.015	
8/8/2017	0.026							
1/19/2018							0.013	
1/22/2018					0.031			
1/25/2018	0.021		0.036					
6/27/2018	0.011		0.036		0.033		0.015	
1/24/2019				0.03		0.036		0.009
1/31/2019		0.011						
6/25/2019				0.032		0.038		

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27
6/26/2019		0.0093 (J)						0.017

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33
9/15/2011	0.0074				0.0043			
9/16/2011							0.0049	
9/17/2011			0.01					
10/28/2011	0.0074							
10/30/2011							0.0085	
10/31/2011			0.0068		0.0035			
12/13/2011	0.0075				0.0036		0.0073	
2/1/2012					0.0037		0.0077	
2/7/2012			0.0016					
2/8/2012	0.0075							
7/17/2012					0.0038		0.012	
7/18/2012	0.0068							
1/23/2013			0.0038		0.003		0.012	
1/24/2013	0.0083							
7/17/2013							0.012	
7/24/2013	0.006				0.0019			
1/23/2014	0.0051		0.0045		0.0012 (J)		0.0099	
7/1/2014	0.0061		0.0048		0.0014			
1/20/2015	0.0061				0.0012 (J)		0.011	
1/21/2015			0.0022					
7/29/2015							0.0095	
7/30/2015	0.0059				0.0011 (J)			
1/19/2016	0.0075							
1/25/2016			0.002		0.001 (J)		0.009	
3/23/2016	0.00731 (J)				<0.01		0.00902 (J)	
3/30/2016			0.00491 (J)					
5/20/2016	0.00703 (J)							
5/24/2016					<0.01		0.00573 (J)	
5/25/2016			0.00502 (J)					
7/21/2016	0.0067							
7/22/2016					0.0014 (J)		0.01	
7/27/2016			0.0033					
9/16/2016					0.0018 (J)		0.0061	
9/20/2016	0.007							
11/14/2016	0.007							
11/15/2016					0.0014 (J)			
11/17/2016							0.014	
1/24/2017	0.0075							
1/25/2017			0.0051				<0.0025	
1/26/2017					0.003			
3/17/2017	0.0071							
3/23/2017			0.0024 (J)				0.0096	
3/24/2017					0.0021 (J)			
5/1/2017	0.0057						0.0057	
5/2/2017			0.0026		0.0025			
7/19/2017			0.004					
8/3/2017					<0.01 (*)			
8/4/2017	0.0072		0.0033				0.0062	
1/23/2018			0.0025		0.0027		0.0047	
1/24/2018	0.0084							
6/21/2018	0.011							
6/26/2018					0.0014 (J)		0.0067	

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33
6/27/2018			0.0016 (J)					
1/30/2019						0.0017 (J)		0.021
1/31/2019				0.0016 (J)				
6/26/2019				<0.01				0.0057 (J)
6/27/2019		0.0071 (J)				<0.01		

Prediction Limit

Constituent: Barium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34	GWC-35	GWC-35	GWC-5	GWC-5	GWC-6	GWC-6
8/31/2011					0.024		0.064	
9/16/2011	0.01		0.019					
10/27/2011					0.026			
10/30/2011							0.06	
10/31/2011	0.0089		0.018					
12/5/2011					0.024		0.061	
12/12/2011	0.011		0.02					
1/25/2012					0.028		0.064	
2/1/2012	0.011		0.02					
7/16/2012	0.011		0.02					
7/18/2012					0.026			
7/24/2012							0.054	
1/8/2013							0.063	
1/9/2013					0.029			
1/22/2013	0.011		0.021					
7/2/2013			0.019					
7/9/2013							0.051	
7/17/2013	0.011				0.022			
1/15/2014					0.023		0.06	
1/21/2014			0.02					
1/23/2014	0.0097							
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							0.048	
7/24/2015					0.018		0.051	
7/28/2015			0.019					
7/29/2015	0.011							
1/20/2016					0.027		0.051	
1/21/2016	0.012		0.021					
3/24/2016	0.0132		0.0206					
3/28/2016					0.0207		0.0506	
5/23/2016	0.0119		0.0221		0.0191			
5/24/2016							0.052	
7/21/2016	0.011		0.019		0.018		0.049	
9/15/2016	0.012		0.02		0.037		0.062	
11/15/2016	0.011		0.02		0.024			
11/16/2016							0.062	
1/25/2017	0.011							
1/26/2017			0.021		0.025		0.062	
3/22/2017	0.01		0.019		0.02		0.048	
5/1/2017	0.012							
5/2/2017			0.02		0.02		0.043	
8/3/2017			0.02		0.025		0.049	
1/23/2018	0.011		0.019		0.027		0.05	
6/19/2018			0.02					
6/20/2018	0.012							
6/25/2018					0.02		0.053	
1/21/2019				0.022				
1/28/2019		0.013						
1/30/2019						0.016		0.054
6/26/2019		0.011		0.021		0.02		0.045

Prediction Limit

Constituent: Barium, Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9	GWA-1	GWA-1
9/7/2011	0.06		0.088		0.13			
9/16/2011							<0.0025	
10/27/2011							<0.0025	
10/30/2011	0.053		0.092		0.02			
12/4/2011					0.11			
12/5/2011	0.059		0.11					
12/13/2011							<0.0025	
1/19/2012			0.084		0.15			
1/25/2012	0.068							
1/31/2012							<0.0025	
7/18/2012	0.098		0.11		0.11		<0.0025	
1/7/2013	0.13		0.095					
1/8/2013					0.14			
1/24/2013							<0.0025	
7/9/2013	0.13		0.085		0.13			
7/17/2013							<0.0025	
1/14/2014	0.14		0.066		0.099			
1/21/2014							<0.0025	
6/24/2014	0.13		0.078		0.2			
6/25/2014							<0.0025	
1/14/2015							<0.0025	
1/20/2015	0.13		0.053		0.12			
7/21/2015							<0.0025	
7/27/2015	0.11		0.055		0.17			
1/21/2016							7.5E-05 (J)	
1/26/2016	0.11		0.044		0.088			
3/23/2016							<0.0025	
3/29/2016	0.109		0.05		0.11			
5/20/2016							<0.0025	
5/24/2016	0.0996		0.051		0.17			
7/21/2016							<0.0025	
7/22/2016	0.089							
7/25/2016					0.17			
7/26/2016			0.044					
9/15/2016	0.097						<0.0025	
9/19/2016			0.043		0.18			
11/11/2016							<0.0025	
11/16/2016	0.11		0.053		0.18			
1/19/2017							<0.0025	
1/26/2017	0.097		0.043					
1/31/2017					0.1			
3/16/2017							<0.0025	
3/22/2017	0.083							
3/23/2017			0.053		0.12			
4/28/2017							<0.0025	
5/2/2017	0.088				0.11			
5/3/2017			0.047					
8/3/2017							<0.0025	
8/4/2017	0.088							
8/7/2017			0.048		0.17			
1/19/2018							<0.0025	
1/23/2018	0.094							

Prediction Limit

Constituent: Barium, Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9	GWA-1	GWA-1
1/24/2018			0.038		0.14			
6/19/2018							<0.0025	
6/21/2018			0.058		0.16			
6/25/2018	0.078							
1/17/2019								7.4E-05 (J)
1/21/2019		0.083						
1/22/2019				0.04		0.11		
6/24/2019								0.00029 (J)
6/25/2019		0.075		0.06		0.18		

Prediction Limit

Constituent: Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29	GWC-11	GWC-11
9/13/2011							<0.001	
9/16/2011			<0.0025					
9/17/2011	<0.0025				<0.0013			
10/27/2011	<0.0025							
10/28/2011			<0.0025		<0.0013		<0.001	
12/4/2011							<0.001	
12/12/2011			<0.0025		0.0015			
12/14/2011	<0.0025							
1/25/2012			<0.0025					
1/31/2012					0.0016			
2/7/2012	<0.0025							
2/9/2012							<0.001	
7/16/2012			<0.0025					
7/17/2012					0.002			
7/18/2012							<0.001	
7/23/2012	<0.0025							
1/8/2013							<0.001	
1/23/2013	<0.0025							
1/24/2013			<0.0025		0.0025			
7/9/2013							<0.001	
7/23/2013			<0.0025					
7/24/2013	<0.0025				0.0027			
1/15/2014							<0.001	
1/22/2014	<0.0025		0.00034 (J)		0.002			
6/25/2014							8.3E-05 (J)	
7/1/2014	<0.0025		0.00039 (J)					
7/8/2014					0.0024 (D)			
1/21/2015			0.0005 (J)		0.0026		<0.001	
1/22/2015	0.00011 (J)							
7/21/2015			0.00042 (J)					
7/22/2015	<0.0025				0.0024			
7/28/2015							<0.001	
1/19/2016					0.0024 (D)			
1/20/2016	0.00012 (J)							
1/22/2016			0.00044 (J)					
1/26/2016							<0.001	
3/22/2016			<0.0025		0.00194 (J)			
3/23/2016	<0.0025							
3/29/2016							<0.001	
5/19/2016					0.00188 (J)			
5/23/2016			<0.0025					
5/24/2016	<0.0025							
5/25/2016							<0.001	
7/21/2016					0.0021 (J)			
7/25/2016			0.00037 (J)				<0.001	
7/26/2016	<0.0025							
9/15/2016			0.00039 (J)					
9/16/2016	<0.0025							
9/19/2016							<0.001	
11/9/2016			0.00041 (J)					
11/10/2016	<0.0025							
11/16/2016							<0.001	

Prediction Limit

Constituent: Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29	GWC-11	GWC-11
1/17/2017			0.0004 (J)		0.0024 (J)			
1/19/2017	<0.0025							
1/31/2017							<0.001	
3/16/2017			<0.0025					
3/17/2017	<0.0025							
3/23/2017							<0.001	
4/27/2017			0.00042 (J)		0.0019 (J)			
4/28/2017	<0.0025							
5/2/2017							<0.001	
7/18/2017					0.0018 (J)			
8/1/2017			0.0004 (J)		0.0019 (J)			
8/2/2017	<0.0025							
8/7/2017							<0.001	
1/19/2018	<0.0025		0.00045 (J)		0.0018 (J)			
1/24/2018							<0.001	
6/19/2018	<0.0025		0.00038 (J)		0.0021 (J)			
6/20/2018							<0.001	
1/17/2019		<0.0025						
1/18/2019						0.0021 (J)		
1/21/2019				0.00041 (J)				
1/24/2019								0.00015 (J)
6/24/2019		0.00023 (J)						
6/25/2019				0.00039 (J)		0.0023		
6/26/2019								<0.001

Prediction Limit

Constituent: Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14	GWC-16	GWC-16	GWC-19	GWC-19	GWC-21	GWC-21
8/30/2011			<0.001		<0.001			
8/31/2011							<0.001	
9/13/2011	<0.0025							
10/26/2011			<0.001		<0.001			
10/27/2011	<0.0025						<0.001	
12/3/2011	<0.0025		<0.001		<0.001			
12/4/2011							<0.001	
1/24/2012	<0.0025							
1/25/2012			<0.001					
2/8/2012					<0.001		<0.001	
7/11/2012	<0.0025		<0.001		<0.001			
7/17/2012							<0.001	
1/8/2013	<0.0025		<0.001		<0.001			
1/9/2013							<0.001	
7/2/2013			<0.001					
7/10/2013	<0.0025							
7/16/2013					<0.001		<0.001	
1/14/2014			<0.001					
1/21/2014	0.00012 (J)				<0.001		<0.001	
6/24/2014					<0.001		<0.001	
6/25/2014			<0.001					
7/1/2014	<0.0025							
1/13/2015			<0.001		<0.001		<0.001	
1/14/2015	0.00015 (J)							
7/22/2015	0.00023 (J)		<0.001					
7/23/2015					<0.001		<0.001	
1/26/2016							<0.001	
1/27/2016	0.00011 (J)		<0.001		<0.001			
3/30/2016	<0.0025		<0.001		<0.001		<0.001	
5/25/2016	<0.0025		<0.001					
5/26/2016					<0.001		<0.001	
7/25/2016					<0.001			
7/26/2016	<0.0025						<0.001	
7/27/2016			<0.001					
9/15/2016	0.00044 (J)							
9/16/2016			<0.001					
9/19/2016					<0.001			
9/20/2016							<0.001	
11/17/2016	0.00055 (J)		<0.001		<0.001		<0.001	
2/1/2017	<0.0025		<0.001					
2/2/2017					<0.001		<0.001	
3/23/2017	<0.0025							
3/24/2017			<0.001		<0.001			
3/28/2017							<0.001	
5/3/2017	<0.0025		<0.001		<0.001			
5/4/2017							<0.001	
8/7/2017	0.00059 (J)		<0.001		<0.001		<0.001	
1/25/2018	<0.0025		<0.001		<0.001			
1/26/2018							<0.001	
6/20/2018	0.00064 (J)		<0.001				<0.001	
6/21/2018					<0.001			
1/22/2019		0.0004 (J)						

Prediction Limit

Constituent: Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14	GWC-16	GWC-16	GWC-19	GWC-19	GWC-21	GWC-21
1/24/2019								7.9E-05 (J)
1/25/2019				7.2E-05 (J)				
1/28/2019						0.00011 (J)		
6/25/2019		0.00041 (J)		<0.001				<0.001
6/26/2019						<0.001		

Prediction Limit

Constituent: Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26
9/16/2011	<0.001							
9/17/2011					<0.001		<0.001	
10/29/2011	<0.001						<0.001	
10/31/2011					<0.001			
12/13/2011	<0.001							
12/14/2011					<0.001		<0.001	
1/31/2012	<0.001							
2/7/2012					<0.001		<0.001	
7/17/2012					<0.001		<0.001	
7/18/2012	<0.001							
1/22/2013	<0.001							
1/24/2013							<0.001	
7/23/2013	<0.001							
7/24/2013					<0.001		<0.001	
1/22/2014	<0.001							
1/23/2014					<0.001		<0.001	
7/1/2014	<0.001							
7/8/2014			8.3E-05 (J)		<0.001		<0.001	
1/21/2015					<0.001		<0.001	
1/22/2015	<0.001							
7/29/2015	8E-05 (J)							
7/30/2015					<0.001			
7/31/2015			0.00012 (J)				<0.001	
1/20/2016			9.3E-05 (J)					
1/21/2016	<0.001				<0.001			
1/25/2016							<0.001	
3/24/2016							<0.001	
3/28/2016					<0.001			
3/29/2016	<0.001							
3/30/2016			<0.0025					
5/25/2016	<0.001		<0.0025		<0.001		<0.001	
7/26/2016							<0.001	
7/27/2016	<0.001		<0.0025		<0.001			
9/16/2016			<0.0025					
9/19/2016					<0.001		<0.001	
9/20/2016	<0.001							
11/14/2016							<0.001	
11/15/2016					<0.001			
11/18/2016	<0.001		<0.0025					
1/19/2017							<0.001	
1/24/2017					<0.001			
2/3/2017	<0.001		<0.0025					
3/16/2017							<0.001	
3/23/2017					<0.001			
3/28/2017	<0.001							
3/29/2017			<0.0025					
5/1/2017							<0.001	
5/2/2017					<0.001			
5/4/2017	<0.001		<0.0025					
8/3/2017					<0.001		<0.001	
8/8/2017	<0.001		<0.0025					
1/22/2018							<0.001	

Prediction Limit

Constituent: Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26
1/25/2018	<0.001		<0.0025		<0.001			
6/20/2018	<0.001							
6/27/2018			<0.0025		<0.001		<0.001	
1/24/2019						6.7E-05 (J)		8.1E-05 (J)
1/25/2019		<0.001						
1/31/2019				<0.0025				
6/25/2019						<0.001		<0.001
6/26/2019		<0.001		0.00017 (J)				

Prediction Limit

Constituent: Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32
9/15/2011			<0.001				<0.0013	
9/17/2011	0.0066				<0.003			
10/28/2011			<0.001					
10/29/2011	0.0055							
10/31/2011					<0.003		<0.0013	
12/13/2011			<0.001				<0.0013	
12/14/2011	0.0058							
1/25/2012	0.006							
2/1/2012							<0.0013	
2/7/2012					<0.003			
2/8/2012			<0.001					
7/17/2012	<0.003						<0.0013	
7/18/2012			<0.001					
1/23/2013					<0.003		<0.0013	
1/24/2013	<0.003		<0.001					
7/24/2013	0.0027		<0.001				<0.0013	
1/23/2014	0.0047		<0.001		0.00099 (J)		0.00068 (J)	
7/1/2014			<0.001		0.0011 (J)		0.00062 (J)	
7/8/2014	0.005							
1/20/2015			<0.001				0.00066 (J)	
1/21/2015	0.0053				0.00082 (J)			
7/30/2015	0.0013		<0.001				0.001 (J)	
1/19/2016			9E-05 (J)					
1/22/2016	0.00038 (J)							
1/25/2016					0.00061 (J)		0.00066 (J)	
3/23/2016	0.00229 (J)		<0.001				0.000735 (J)	
3/30/2016					<0.003			
5/20/2016			<0.001					
5/24/2016	<0.003						0.00134 (J)	
5/25/2016					<0.003			
7/21/2016			<0.001					
7/22/2016							0.0012 (J)	
7/26/2016	0.0015 (J)							
7/27/2016					0.00076 (J)			
9/16/2016							0.0015 (J)	
9/19/2016	0.0013 (J)							
9/20/2016			<0.001					
11/11/2016	0.0057							
11/14/2016			<0.001					
11/15/2016							0.0015 (J)	
1/20/2017	0.003							
1/24/2017			<0.001					
1/25/2017					0.00064 (J)			
1/26/2017							0.001 (J)	
3/16/2017	0.0018 (J)							
3/17/2017			<0.001					
3/23/2017					0.00067 (J)			
3/24/2017							0.0016 (J)	
4/28/2017	0.00075 (J)							
5/1/2017			<0.001					
5/2/2017					0.00077 (J)		0.0012 (J)	
7/19/2017					0.00083 (J)			

Prediction Limit

Constituent: Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32
8/3/2017	0.005						0.0018 (J)	
8/4/2017			<0.001		0.0011 (J)			
1/19/2018	0.0057							
1/23/2018					0.001 (J)		0.0018 (J)	
1/24/2018			<0.001					
6/21/2018			<0.001					
6/26/2018							0.0015 (J)	
6/27/2018	0.005				0.00071 (J)			
1/24/2019		0.00039 (J)						
1/30/2019				<0.001				0.0016 (J)
1/31/2019						0.00057 (J)		
6/26/2019		0.0056				0.00084 (J)		
6/27/2019				<0.001				0.0017

Prediction Limit

Constituent: Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33	GWC-34	GWC-34	GWC-35	GWC-35	GWC-6	GWC-6
8/31/2011							<0.001	
9/16/2011	<0.0025		<0.0025		<0.0025			
10/30/2011	<0.0025						<0.001	
10/31/2011			<0.0025		<0.0025			
12/5/2011							<0.001	
12/12/2011			<0.0025		<0.0025			
12/13/2011	<0.0025							
1/25/2012							<0.001	
2/1/2012	<0.0025		<0.0025		<0.0025			
7/16/2012			<0.0025		<0.0025			
7/17/2012	<0.0025							
7/24/2012							<0.001	
1/8/2013							<0.001	
1/22/2013			<0.0025		<0.0025			
1/23/2013	<0.0025							
7/2/2013					<0.0025			
7/9/2013							<0.001	
7/17/2013	<0.0025		<0.0025					
1/15/2014							<0.001	
1/21/2014					<0.0025			
1/23/2014	0.00054 (J)		<0.0025					
6/25/2014			<0.0025		<0.0025		<0.001	
1/14/2015			<0.0025		<0.0025			
1/20/2015	0.00091 (J)						<0.001	
7/24/2015							<0.001	
7/28/2015					8.5E-05 (J)			
7/29/2015	0.0011 (J)		0.00011 (J)					
1/20/2016							7.8E-05 (J)	
1/21/2016			0.00012 (J)		8.5E-05 (J)			
1/25/2016	0.00075 (J)							
3/23/2016	0.000892 (J)							
3/24/2016			<0.0025		<0.0025			
3/28/2016							<0.001	
5/23/2016			<0.0025		<0.0025			
5/24/2016	0.00065 (J)						<0.001	
7/21/2016			<0.0025		<0.0025		<0.001	
7/22/2016	0.0011 (J)							
9/15/2016			<0.0025		<0.0025		<0.001	
9/16/2016	0.001 (J)							
11/15/2016			<0.0025		<0.0025			
11/16/2016							<0.001	
11/17/2016	0.00046 (J)							
1/25/2017	<0.0025		<0.0025					
1/26/2017					<0.0025		<0.001	
3/22/2017			<0.0025		<0.0025		<0.001	
3/23/2017	0.00077 (J)							
5/1/2017	0.00062 (J)		<0.0025					
5/2/2017					<0.0025		<0.001	
8/3/2017			<0.0025		<0.0025		<0.001	
8/4/2017	0.00051 (J)							
1/23/2018	0.00034 (J)		<0.0025		<0.0025		<0.001	
6/19/2018					<0.0025			

Prediction Limit

Constituent: Beryllium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33	GWC-34	GWC-34	GWC-35	GWC-35	GWC-6	GWC-6
6/20/2018			<0.0025					
6/25/2018							<0.001	
6/26/2018	<0.0025							
1/21/2019						<0.0025		
1/28/2019				6.1E-05 (J)				
1/30/2019		0.00036 (J)						<0.001
6/26/2019		0.00027 (J)		0.00032 (J)		0.00022 (J)		<0.001

Prediction Limit

Constituent: Beryllium, Cadmium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8	GWC-9	GWC-9	GWA-1	GWA-1	GWA-29	GWA-29
9/7/2011	<0.001		<0.001					
9/16/2011					<0.001			
9/17/2011							<0.001	
10/27/2011					<0.001			
10/28/2011							<0.001	
10/30/2011	<0.001		<0.001					
12/4/2011			<0.001					
12/5/2011	<0.001							
12/12/2011							<0.001	
12/13/2011					<0.001			
1/19/2012	<0.001		<0.001					
1/31/2012					<0.001		<0.001	
7/17/2012							<0.001	
7/18/2012	<0.001		<0.001		<0.001			
1/7/2013	<0.001							
1/8/2013			<0.001					
1/24/2013					<0.001		<0.001	
7/9/2013	<0.001		<0.001					
7/17/2013					<0.001			
7/24/2013							<0.001	
1/14/2014	<0.001		0.00012 (J)					
1/21/2014					<0.001			
1/22/2014							<0.001	
6/24/2014	<0.001		0.00014 (J)					
6/25/2014					<0.001			
7/8/2014							<0.001 (D)	
1/14/2015					<0.001			
1/20/2015	<0.001		0.00014 (J)					
1/21/2015							<0.001	
7/21/2015					<0.001			
7/22/2015							<0.001	
7/27/2015	<0.001		0.00012 (J)					
1/19/2016							<0.001 (D)	
1/21/2016					<0.001			
1/26/2016	<0.001		<0.001					
3/22/2016							<0.001	
3/23/2016					<0.001			
3/29/2016	<0.001		<0.001					
5/19/2016							0.000111 (J)	
5/20/2016					<0.001			
5/24/2016	<0.001		<0.001					
7/21/2016					<0.001		<0.001	
7/25/2016			<0.001					
7/26/2016	<0.001							
9/15/2016					<0.001			
9/19/2016	<0.001		<0.001					
11/11/2016					<0.001			
11/16/2016	<0.001		<0.001					
1/17/2017							<0.001	
1/19/2017					<0.001			
1/26/2017	<0.001							
1/31/2017			<0.001					

Prediction Limit

Constituent: Beryllium, Cadmium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8	GWC-9	GWC-9	GWA-1	GWA-1	GWA-29	GWA-29
3/16/2017					<0.001			
3/23/2017	<0.001		<0.001					
4/27/2017							<0.001	
4/28/2017					<0.001			
5/2/2017			<0.001					
5/3/2017	<0.001							
7/18/2017							<0.001	
8/1/2017							<0.001	
8/3/2017					<0.001			
8/7/2017	<0.001		<0.001					
1/19/2018					<0.001		<0.001	
1/24/2018	<0.001		<0.001					
6/19/2018					0.0005 (J)		<0.001	
6/21/2018	<0.001		<0.001					
1/17/2019						<0.001		
1/18/2019								<0.001
1/22/2019		5.8E-05 (J)		7.9E-05 (J)				
6/24/2019						<0.001		
6/25/2019		<0.001		<0.001				<0.001

Prediction Limit

Constituent: Cadmium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3	GWC-11	GWC-11	GWC-14	GWC-14	GWC-24	GWC-24
8/31/2011	<0.0025							
9/13/2011			<0.001		<0.0025			
10/27/2011					<0.0025			
10/28/2011			<0.001					
12/3/2011					<0.0025			
12/4/2011			<0.001					
1/24/2012					<0.0025			
2/9/2012			<0.001					
7/11/2012					<0.0025			
7/18/2012			<0.001					
1/8/2013			<0.001		<0.0025			
7/9/2013			<0.001					
7/10/2013					<0.0025			
1/15/2014			<0.001					
1/21/2014					<0.0025			
6/25/2014	<0.0025		<0.001					
7/1/2014					<0.0025			
7/8/2014							<0.001	
1/14/2015					<0.0025			
1/21/2015			0.0014					
7/21/2015	0.00042 (J)							
7/22/2015					0.00028 (J)			
7/28/2015			0.0022					
7/31/2015							<0.001	
1/20/2016							<0.001	
1/26/2016			<0.001					
1/27/2016					<0.0025			
3/29/2016			<0.001					
3/30/2016					0.000222 (J)		0.000124 (J)	
3/31/2016	0.000546 (J)							
5/25/2016	0.000137 (J)		<0.001		0.000327 (J)		<0.001	
7/25/2016			<0.001					
7/26/2016					<0.0025			
7/27/2016	<0.0025						<0.001	
9/15/2016					0.00053 (J)			
9/16/2016							<0.001	
9/19/2016			<0.001					
11/16/2016			<0.001					
11/17/2016					<0.0025			
11/18/2016							<0.001	
1/31/2017			<0.001					
2/1/2017					<0.0025			
2/3/2017							0.0021 (J)	
3/23/2017			<0.001		<0.0025			
3/29/2017							<0.001	
5/2/2017			<0.001					
5/3/2017					<0.0025			
5/4/2017							<0.001	
8/1/2017	<0.0025							
8/7/2017			<0.001		0.00051 (J)			
8/8/2017							<0.001	
10/3/2017	<0.0025							

Prediction Limit

Constituent: Cadmium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3	GWC-11	GWC-11	GWC-14	GWC-14	GWC-24	GWC-24
1/24/2018			<0.001					
1/25/2018					<0.0025		<0.001	
6/20/2018	<0.0025		<0.001		0.00047 (J)			
6/27/2018							<0.001	
1/18/2019		<0.0025						
1/22/2019						0.00021 (J)		
1/24/2019				<0.001				
1/31/2019								<0.001
6/25/2019		0.00014 (J)				0.00021 (J)		
6/26/2019				<0.001				<0.001

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29
9/16/2011	0.0015				<0.0025			
9/17/2011			<0.0025				<0.0025	
10/27/2011	<0.0025		<0.0025					
10/28/2011					<0.0025		<0.0025	
12/12/2011					<0.0025		<0.0025	
12/13/2011	<0.0025							
12/14/2011			<0.0025					
1/25/2012					<0.0025			
1/31/2012	<0.0025						<0.0025	
2/7/2012			<0.0025					
7/16/2012					<0.0025			
7/17/2012							<0.0025	
7/18/2012	<0.0025							
7/23/2012			<0.0025					
1/23/2013			<0.0025					
1/24/2013	<0.0025				<0.0025		<0.0025	
7/17/2013	<0.0025							
7/23/2013					<0.0025			
7/24/2013			<0.0025				0.0013	
1/21/2014	<0.0025							
1/22/2014			<0.0025		0.002		<0.0025	
6/25/2014	<0.0025							
7/1/2014			<0.0025		<0.0025			
7/8/2014							<0.0025 (D)	
1/14/2015	<0.0025							
1/21/2015					<0.0025		<0.0025	
1/22/2015			<0.0025					
7/21/2015	<0.0025				<0.0025			
7/22/2015			<0.0025				<0.0025	
1/19/2016							<0.0025 (D)	
1/20/2016			<0.0025					
1/21/2016	<0.0025							
1/22/2016					<0.0025			
3/22/2016					<0.0025		<0.0025	
3/23/2016	<0.0025		<0.0025					
5/19/2016							0.00684 (J)	
5/20/2016	<0.0025							
5/23/2016					<0.0025			
5/24/2016			<0.0025					
7/21/2016	<0.0025						<0.0025	
7/25/2016					<0.0025			
7/26/2016			<0.0025					
9/15/2016	<0.0025				0.0082			
9/16/2016			0.0019 (J)					
11/9/2016					0.0044			
11/10/2016			<0.0025					
11/11/2016	<0.0025							
1/17/2017					<0.0025		<0.0025	
1/19/2017	<0.0025		<0.0025					
3/16/2017	<0.0025				<0.0025			
3/17/2017			<0.0025					
4/27/2017					<0.0025		<0.0025	

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29
4/28/2017	<0.0025		<0.0025					
7/18/2017							<0.0025	
8/1/2017					<0.0025		0.0015 (J)	
8/2/2017			<0.0025					
8/3/2017	<0.0025							
1/19/2018	<0.0025		<0.0025		<0.0025		<0.0025	
6/19/2018	<0.0025		0.0011 (J)		<0.0025		<0.0025	
1/17/2019		0.0012 (J)		0.0016 (J)				
1/18/2019								0.002 (J)
1/21/2019						0.0014 (J)		
6/24/2019		0.0042		0.0022				
6/25/2019						0.0024		0.003

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3	GWA-4	GWA-4	GWC-10	GWC-10	GWC-11	GWC-11
8/31/2011	<0.0025		0.0014					
9/13/2011							0.0031	
10/27/2011			<0.0025					
10/28/2011							0.0032	
12/4/2011							0.0031	
12/14/2011			<0.0025					
2/1/2012			<0.0025					
2/9/2012							<0.01	
7/18/2012							<0.01	
7/23/2012			0.0014					
1/8/2013							0.0013	
1/23/2013			<0.0025					
7/9/2013							<0.01	
7/17/2013			<0.0025					
1/15/2014			<0.0025				0.0013	
6/25/2014	<0.0025		<0.0025				0.002	
1/14/2015			<0.0025					
1/21/2015							0.0013	
7/21/2015	<0.0025		<0.0025					
7/28/2015							0.0017	
1/20/2016			<0.0025					
1/25/2016					<0.0025			
1/26/2016							0.0012 (J)	
3/23/2016			<0.0025					
3/29/2016							<0.01	
3/30/2016					<0.0025			
3/31/2016	<0.0025							
5/19/2016			<0.0025					
5/25/2016	<0.0025				<0.0025		0.00213 (J)	
7/21/2016			<0.0025					
7/25/2016							0.0015 (J)	
7/27/2016	<0.0025				0.0029			
9/14/2016			<0.0025					
9/16/2016					<0.0025			
9/19/2016							0.0022 (J)	
11/10/2016			<0.0025					
11/16/2016							0.002 (JB)	
11/17/2016					<0.0025			
1/17/2017			<0.0025					
1/31/2017							0.0022 (J)	
2/1/2017					<0.0025			
3/16/2017			<0.0025					
3/23/2017							0.002 (J)	
3/24/2017					<0.0025			
4/27/2017			<0.0025					
5/2/2017							0.0019 (J)	
5/3/2017					<0.0025			
8/1/2017	<0.0025							
8/2/2017			<0.0025					
8/7/2017							0.0023 (J)	
8/8/2017					<0.0025			
10/3/2017	0.0013 (J)							

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3	GWA-4	GWA-4	GWC-10	GWC-10	GWC-11	GWC-11
1/22/2018			<0.0025					
1/24/2018							0.0019 (J)	
1/25/2018					<0.0025			
6/19/2018			<0.0025					
6/20/2018	<0.0025						0.002 (J)	
6/21/2018					<0.0025			
1/17/2019				0.0013 (J)				
1/18/2019		0.0017 (J)						
1/24/2019								0.003
1/31/2019						0.0018 (J)		
6/24/2019				0.0022				
6/25/2019		0.0027						
6/26/2019						0.0021		0.0041

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12	GWC-13	GWC-13	GWC-14	GWC-14	GWC-15	GWC-15
9/13/2011	<0.0025		0.0019		<0.0025			
9/16/2011							<0.0025	
10/27/2011					<0.0025		<0.0025	
10/28/2011	<0.0025		<0.0025					
12/3/2011					<0.0025		<0.0025	
12/4/2011	<0.0025		<0.0025					
1/24/2012	<0.0025		<0.0025		<0.0025			
2/8/2012							<0.0025	
7/11/2012	<0.0025		<0.0025		<0.0025		<0.0025	
1/8/2013	<0.0025		<0.0025		<0.0025		<0.0025	
7/2/2013							<0.0025	
7/10/2013	<0.0025		<0.0025		<0.0025			
1/21/2014	<0.0025		<0.0025		<0.0025		<0.0025	
6/24/2014							<0.0025	
7/1/2014	<0.0025		<0.0025		<0.0025			
1/14/2015					<0.0025		<0.0025	
1/21/2015	<0.0025		<0.0025					
7/22/2015					<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	
3/29/2016	<0.0025		<0.0025					
3/30/2016					<0.0025		<0.0025	
5/25/2016	<0.0025		<0.0025		<0.0025		<0.0025	
7/22/2016	<0.0025							
7/26/2016			<0.0025		<0.0025		<0.0025	
9/15/2016	<0.0025		<0.0025		<0.0025			
9/20/2016							<0.0025	
11/16/2016	<0.0025							
11/17/2016			<0.0025		<0.0025		<0.0025	
1/31/2017	<0.0025		<0.0025					
2/1/2017					<0.0025		<0.0025	
3/23/2017	<0.0025		<0.0025		<0.0025		<0.0025	
5/3/2017	<0.0025		<0.0025		<0.0025		<0.0025	
8/4/2017			<0.0025				<0.0025	
8/7/2017	<0.0025				<0.0025			
1/24/2018	<0.0025							
1/25/2018			<0.0025		<0.0025		<0.0025	
6/20/2018			<0.0025		<0.0025		<0.0025	
6/26/2018	<0.0025							
1/22/2019				0.0013 (J)		0.0013 (J)		0.0013 (J)
1/25/2019		0.0011 (J)						
6/25/2019				0.0022		0.0023		0.0022
6/26/2019		0.0021						

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16	GWC-17	GWC-17	GWC-18	GWC-18	GWC-19	GWC-19
8/30/2011	0.0028		0.0014		0.0014		0.0014	
10/26/2011	0.0023		<0.0025		<0.0025		<0.0025	
12/3/2011			<0.0025		<0.0025		<0.0025	
1/25/2012			<0.0025					
2/8/2012					<0.0025		<0.0025	
7/11/2012	0.0022		<0.0025		<0.0025		<0.0025	
1/8/2013	0.0023		<0.0025		<0.0025		<0.0025	
7/2/2013	0.0024							
7/16/2013			<0.0025		<0.0025		<0.0025	
1/14/2014	0.0023		<0.0025		<0.0025			
1/21/2014							<0.0025	
6/24/2014					<0.0025		<0.0025	
6/25/2014	0.0024		<0.0025					
1/13/2015	0.0024				<0.0025		<0.0025	
1/14/2015			<0.0025					
7/22/2015	0.0023							
7/23/2015					<0.0025		<0.0025	
7/28/2015			<0.0025					
1/27/2016	0.0022		<0.0025		<0.0025		<0.0025	
3/30/2016	0.00261 (J)		<0.0025		<0.0025		<0.0025	
5/25/2016	0.00238 (J)		<0.0025					
5/26/2016					<0.0025		<0.0025	
7/25/2016					<0.0025		<0.0025	
7/27/2016	0.0025		<0.0025					
9/16/2016	0.0023 (J)							
9/19/2016			<0.0025		<0.0025		<0.0025	
11/17/2016	0.0022 (J)		<0.0025		<0.0025		<0.0025	
2/1/2017	0.0024 (J)		<0.0025		0.0014 (J)			
2/2/2017							<0.0025	
3/24/2017	0.0026		<0.0025		<0.0025		<0.0025	
5/3/2017	0.0022 (J)		<0.0025		<0.0025		<0.0025	
8/7/2017	0.0023 (J)		<0.0025		<0.0025		<0.0025	
1/25/2018	0.0023 (J)		<0.0025		<0.0025		<0.0025	
6/20/2018	0.0025							
6/21/2018					<0.0025		<0.0025	
6/26/2018			<0.0025					
1/24/2019				0.0014 (J)				
1/28/2019						0.0012 (J)		<0.0025
6/25/2019		0.0045		0.0042				
6/26/2019								0.0023
6/27/2019						0.0022		

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20	GWC-21	GWC-21	GWC-22	GWC-22	GWC-23	GWC-23
8/31/2011	0.0016		0.0014					
9/15/2011					<0.0025			
9/16/2011							0.0019	
10/27/2011	<0.0025		<0.0025					
10/29/2011					<0.0025		<0.0025	
12/4/2011	<0.0025		<0.0025					
12/13/2011					<0.0025		<0.0025	
1/25/2012					<0.0025			
1/31/2012							<0.0025	
2/8/2012	<0.0025		<0.0025					
7/11/2012	<0.0025							
7/17/2012			<0.0025					
7/18/2012					0.0016		<0.0025	
1/8/2013	<0.0025							
1/9/2013			<0.0025					
1/22/2013					0.0019		<0.0025	
7/16/2013	<0.0025		<0.0025		<0.0025			
7/23/2013							0.0013	
1/21/2014	<0.0025		<0.0025		<0.0025			
1/22/2014							<0.0025	
6/24/2014	<0.0025		<0.0025					
6/25/2014					0.0011 (J)			
7/1/2014							0.0011 (J)	
1/13/2015	<0.0025		<0.0025					
1/14/2015					<0.0025			
1/22/2015							<0.0025	
7/23/2015	<0.0025		<0.0025		0.0015			
7/29/2015							0.0012 (J)	
1/21/2016							<0.0025	
1/26/2016			<0.0025		<0.0025			
1/27/2016	<0.0025							
3/29/2016							0.00226 (J)	
3/30/2016	<0.0025		<0.0025					
3/31/2016					<0.0025			
5/25/2016							<0.0025	
5/26/2016	<0.0025		<0.0025		<0.0025			
7/25/2016	<0.0025							
7/26/2016			<0.0025		<0.0025			
7/27/2016							<0.0025	
9/20/2016	<0.0025		<0.0025		0.0011 (J)		<0.0025	
11/17/2016	<0.0025		<0.0025		<0.0025			
11/18/2016							<0.0025	
2/2/2017	<0.0025		<0.0025					
2/3/2017					0.0011 (J)		<0.0025	
3/28/2017	<0.0025		<0.0025		0.0027		<0.0025	
5/3/2017					0.0018 (J)			
5/4/2017	<0.0025		<0.0025				<0.0025	
8/7/2017	0.0017 (J)		<0.0025					
8/8/2017					<0.0025		<0.0025	
1/25/2018					<0.0025		<0.0025	
1/26/2018	<0.0025		<0.0025					
6/20/2018			<0.0025		0.0015 (J)		<0.0025	

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20	GWC-21	GWC-21	GWC-22	GWC-22	GWC-23	GWC-23
6/21/2018	<0.0025							
1/24/2019				0.0012 (J)		0.0021 (J)		
1/25/2019								0.0017 (J)
1/28/2019		0.0011 (J)						
6/25/2019		0.0023		0.0021		0.003		
6/26/2019								0.0023

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27
9/17/2011			0.0015		0.0018		<0.0025	
10/29/2011					<0.0025		<0.0025	
10/31/2011			<0.0025					
12/14/2011			<0.0025		<0.0025		<0.0025	
1/25/2012							<0.0025	
2/7/2012					<0.0025			
7/17/2012			0.0025		<0.0025		<0.0025	
1/24/2013					<0.0025		<0.0025	
7/24/2013			0.0017		<0.0025		<0.0025	
1/23/2014			<0.0025		<0.0025		<0.0025	
7/8/2014	<0.0025		<0.0025		<0.0025		<0.0025	
1/21/2015			<0.0025		<0.0025		<0.0025	
7/30/2015			<0.0025				<0.0025	
7/31/2015	<0.0025				<0.0025			
1/20/2016	<0.0025							
1/21/2016			0.002					
1/22/2016							<0.0025	
1/25/2016					<0.0025			
3/23/2016							<0.0025	
3/24/2016					<0.0025			
3/28/2016			<0.0025					
3/30/2016	<0.0025							
5/24/2016							<0.0025	
5/25/2016	<0.0025		<0.0025		<0.0025			
7/26/2016					<0.0025		<0.0025	
7/27/2016	<0.0025		<0.0025					
9/16/2016	<0.0025							
9/19/2016			<0.0025		<0.0025		<0.0025	
11/11/2016							<0.0025	
11/14/2016					<0.0025			
11/15/2016			<0.0025					
11/18/2016	<0.0025							
1/19/2017					<0.0025			
1/20/2017							<0.0025	
1/24/2017			0.0043					
2/3/2017	0.0011 (J)							
3/16/2017					<0.0025		<0.0025	
3/23/2017			<0.0025					
3/29/2017	<0.0025							
4/28/2017							<0.0025	
5/1/2017					<0.0025			
5/2/2017			0.015					
5/4/2017	<0.0025							
8/3/2017			<0.0025		<0.0025		<0.0025	
8/8/2017	<0.0025							
1/19/2018							<0.0025	
1/22/2018					<0.0025			
1/25/2018	<0.0025		<0.0025					
6/27/2018	<0.0025		<0.0025		<0.0025		<0.0025	
1/24/2019				0.0026		0.0018 (J)		0.0015 (J)
1/31/2019		0.0022 (J)						
6/25/2019				0.003		0.003		

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27
6/26/2019		0.0027						0.0022

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33
9/15/2011	<0.0025				<0.0025			
9/16/2011							<0.0025	
9/17/2011			0.0052					
10/28/2011	<0.0025							
10/30/2011							<0.0025	
10/31/2011			<0.0013		<0.0025			
12/13/2011	<0.0025				<0.0025		<0.0025	
2/1/2012					<0.0025		<0.0025	
2/7/2012			<0.0013					
2/8/2012	<0.0025							
7/17/2012					<0.0025		<0.0025	
7/18/2012	<0.0025							
1/23/2013			<0.0013		<0.0025		<0.0025	
1/24/2013	<0.0025							
7/17/2013							<0.0025	
7/24/2013	<0.0025				<0.0025			
1/23/2014	<0.0025		0.002		<0.0025		<0.0025	
7/1/2014	<0.0025		0.0046		<0.0025			
1/20/2015	<0.0025				<0.0025		0.0013	
1/21/2015			0.0026					
7/29/2015							0.0028	
7/30/2015	<0.0025				<0.0025			
1/19/2016	<0.0025							
1/25/2016			0.0014		<0.0025		0.001 (J)	
3/23/2016	<0.0025				<0.0025		<0.0025	
3/30/2016			0.00334 (J)					
5/20/2016	<0.0025							
5/24/2016					<0.0025		<0.0025	
5/25/2016			0.00321 (J)					
7/21/2016	<0.0025							
7/22/2016					<0.0025		<0.0025	
7/27/2016			0.0043					
9/16/2016					<0.0025		<0.0025	
9/20/2016	0.0011 (J)							
11/14/2016	<0.0025							
11/15/2016					<0.0025			
11/17/2016							0.0034	
1/24/2017	<0.0025							
1/25/2017			0.0027				<0.0025	
1/26/2017					<0.0025			
3/17/2017	<0.0025							
3/23/2017			0.0022 (J)				0.0032	
3/24/2017					<0.0025			
5/1/2017	<0.0025						<0.0025	
5/2/2017			0.0027		<0.0025			
7/19/2017			0.0019 (J)					
8/3/2017					0.0053			
8/4/2017	<0.0025		0.0021 (J)				<0.0025	
1/23/2018			0.012		<0.0025		<0.0025	
1/24/2018	<0.0025							
6/21/2018	0.0015 (J)							
6/26/2018					<0.0025		<0.0025	

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33
6/27/2018			0.0017 (J)					
1/30/2019		0.0018 (J)				0.0017 (J)		0.0026
1/31/2019				0.0031				
6/26/2019				0.0037				0.0022
6/27/2019		0.0025				0.0022		

Prediction Limit

Constituent: Chromium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34	GWC-35	GWC-35	GWC-5	GWC-5	GWC-6	GWC-6
8/31/2011					<0.0025		<0.0025	
9/16/2011	<0.0025		<0.0025					
10/27/2011					<0.0025			
10/31/2011	<0.0025		<0.0025					
12/5/2011					<0.0025		<0.0025	
12/12/2011	<0.0025		<0.0025					
1/25/2012					<0.0025		<0.0025	
2/1/2012	<0.0025		<0.0025					
7/16/2012	<0.0025		<0.0025					
7/18/2012					<0.0025			
7/24/2012							<0.0025	
1/8/2013							<0.0025	
1/9/2013					<0.0025			
1/22/2013	<0.0025		<0.0025					
7/2/2013			<0.0025					
7/9/2013							<0.0025	
7/17/2013	<0.0025				<0.0025			
1/15/2014					<0.0025		<0.0025	
1/21/2014			<0.0025					
1/23/2014	<0.0025							
6/25/2014	<0.0025		<0.0025		<0.0025		<0.0025	
1/13/2015					0.0012 (J)			
1/14/2015	<0.0025		<0.0025					
1/20/2015							<0.0025	
7/24/2015					<0.0025		<0.0025	
7/28/2015			<0.0025					
7/29/2015	<0.0025							
1/20/2016					<0.0025		<0.0025	
1/21/2016	<0.0025		<0.0025					
3/24/2016	<0.0025		<0.0025					
3/28/2016					<0.0025		<0.0025	
5/23/2016	<0.0025		<0.0025		<0.0025			
5/24/2016							<0.0025	
7/21/2016	<0.0025		<0.0025		0.0011 (J)		<0.0025	
9/15/2016	<0.0025		<0.0025		<0.0025		<0.0025	
11/15/2016	<0.0025		<0.0025		<0.0025			
11/16/2016							<0.0025	
1/25/2017	<0.0025							
1/26/2017			<0.0025		0.0013 (J)		<0.0025	
3/22/2017	<0.0025		<0.0025				<0.0025	
5/1/2017	<0.0025							
5/2/2017			<0.0025		<0.0025		<0.0025	
8/3/2017	<0.0025		<0.0025		<0.0025		<0.0025	
1/23/2018	<0.0025		<0.0025		<0.0025		<0.0025	
6/19/2018			<0.0025					
6/20/2018	<0.0025							
6/25/2018					<0.0025		<0.0025	
1/21/2019				0.0013 (J)				
1/28/2019		0.00076 (J)						
1/30/2019						0.0021 (J)		0.002 (J)
6/26/2019		0.0022		0.0022		0.0029		0.0027

Prediction Limit

Constituent: Chromium, Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9	GWA-1	GWA-1
9/7/2011	<0.0025		<0.0025		0.0013			
9/16/2011							<0.0025	
10/27/2011							<0.0025	
10/30/2011	<0.0025		<0.0025		<0.0025			
12/4/2011					0.0021			
12/5/2011	<0.0025		<0.0025					
12/13/2011							<0.0025	
1/19/2012			<0.0025		<0.0025			
1/25/2012	<0.0025							
1/31/2012							<0.0025	
7/18/2012	<0.0025		<0.0025		<0.0025		<0.0025	
1/7/2013	<0.0025		<0.0025					
1/8/2013					0.0019			
1/24/2013							<0.0025	
7/9/2013	<0.0025		<0.0025		0.002			
7/17/2013							<0.0025	
1/14/2014	<0.0025		<0.0025		<0.0025			
1/21/2014							<0.0025	
6/24/2014	0.0018		<0.0025		0.0029			
6/25/2014							<0.0025	
1/14/2015							0.00068 (J)	
1/20/2015	<0.0025		<0.0025		<0.0025			
7/21/2015							<0.0025	
7/27/2015	<0.0025		<0.0025		0.0013			
1/21/2016							<0.0025	
1/26/2016	<0.0025		<0.0025		<0.0025			
3/23/2016							<0.0025	
3/29/2016	<0.0025		<0.0025		<0.0025			
5/20/2016							<0.0025	
5/24/2016	<0.0025		<0.0025		<0.0025			
7/21/2016							<0.0025	
7/22/2016	<0.0025							
7/25/2016					<0.0025			
7/26/2016			<0.0025					
9/15/2016	<0.0025						<0.0025	
9/19/2016			<0.0025		<0.0025			
11/11/2016							<0.0025	
11/16/2016	<0.0025		<0.0025		<0.0025			
1/19/2017							<0.0025	
1/26/2017	<0.0025		<0.0025					
1/31/2017					0.0015 (J)			
3/16/2017							<0.0025	
3/22/2017	<0.0025							
3/23/2017			<0.0025		0.0021 (J)			
4/28/2017							0.00044 (J)	
5/2/2017	<0.0025				0.0016 (J)			
5/3/2017			<0.0025					
8/3/2017							<0.0025	
8/4/2017	<0.0025							
8/7/2017			<0.0025		0.0024 (J)			
1/19/2018							<0.0025	
1/23/2018	<0.0025							

Prediction Limit

Constituent: Chromium, Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9	GWA-1	GWA-1
1/24/2018			<0.0025		0.0019 (J)			
6/19/2018							<0.0025	
6/21/2018			<0.0025		0.0023 (J)			
6/25/2018	<0.0025							
1/17/2019								0.00033 (J)
1/21/2019		0.0012 (J)						
1/22/2019				0.0014 (J)		0.0027		
6/24/2019								0.00019 (J)
6/25/2019		0.0021		0.0024		0.0048		

Prediction Limit

Constituent: Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2	GWA-29	GWA-29	GWA-3	GWA-3	GWA-4	GWA-4
8/31/2011					0.0028		0.0028	
9/17/2011	<0.0025		<0.0025					
10/27/2011	<0.0025						<0.0025	
10/28/2011			<0.0025					
12/12/2011			<0.0025					
12/14/2011	<0.0025						<0.0025	
1/31/2012			<0.0025					
2/1/2012							0.0027	
2/7/2012	<0.0025							
7/17/2012			<0.0025					
7/23/2012	<0.0025						0.0073	
1/23/2013	<0.0025						0.0029	
1/24/2013			<0.0025					
7/17/2013							0.0033	
7/24/2013	<0.0025		<0.0025					
1/15/2014							0.0076	
1/22/2014	<0.0025		<0.0025					
6/25/2014					0.00075 (J)		0.0044	
7/1/2014	0.00056 (J)							
7/8/2014			<0.0025					
1/14/2015							0.015	
1/21/2015			<0.0025					
1/22/2015	0.00067 (J)							
7/21/2015					0.00066 (J)		0.0053	
7/22/2015	<0.0025		<0.0025					
1/19/2016			<0.0025 (D)					
1/20/2016	<0.0025						0.0034	
3/22/2016			<0.0025					
3/23/2016	<0.0025						0.00443 (J)	
3/31/2016					<0.0025			
5/19/2016			<0.0025				0.00361 (J)	
5/24/2016	<0.0025							
5/25/2016					<0.0025			
7/21/2016			<0.0025				0.0058	
7/26/2016	<0.0025							
7/27/2016					<0.0025			
9/14/2016							0.0075	
9/16/2016	0.0011 (J)							
11/10/2016	<0.0025						0.01	
1/17/2017			<0.0025				0.013	
1/19/2017	<0.0025							
3/16/2017							0.0059	
3/17/2017	<0.0025							
4/27/2017			<0.0025				0.0052	
4/28/2017	0.00045 (J)							
7/18/2017			<0.0025					
8/1/2017			<0.0025		<0.0025			
8/2/2017	<0.0025						0.005	
10/3/2017					<0.0025			
1/19/2018	<0.0025		<0.0025					
1/22/2018							0.0046	
6/19/2018	0.00061 (J)		<0.0025				0.005	

Prediction Limit

Constituent: Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2	GWA-29	GWA-29	GWA-3	GWA-3	GWA-4	GWA-4
6/20/2018					<0.0025			
1/17/2019		0.00018 (J)						0.0038
1/18/2019				<0.0025		0.00011 (J)		
6/24/2019		0.00019 (J)						0.006
6/25/2019				0.00012 (J)		0.00042 (J)		

Prediction Limit

Constituent: Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12	GWC-15	GWC-15
9/13/2011			0.013		<0.0025			
9/16/2011							<0.0025	
10/27/2011							<0.0025	
10/28/2011			0.014		<0.0025			
12/3/2011							<0.0025	
12/4/2011			0.011		<0.0025			
1/24/2012					<0.0025			
2/9/2012			0.0091				<0.0025	
7/11/2012					<0.0025		<0.0025	
7/18/2012			0.0061					
1/8/2013			0.0035		<0.0025		<0.0025	
7/2/2013							<0.0025	
7/9/2013			0.0044					
7/10/2013					<0.0025			
1/15/2014			0.0043					
1/21/2014					<0.0025		<0.0025	
6/24/2014							<0.0025	
6/25/2014			0.011					
7/1/2014					<0.0025			
1/14/2015							0.00063 (J)	
1/21/2015			0.0057		<0.0025			
7/22/2015							0.00065 (J)	
7/28/2015			0.009		<0.0025			
1/25/2016	0.0048							
1/26/2016			0.0025		<0.0025			
1/27/2016							0.0016	
3/29/2016			0.00664 (J)		<0.0025			
3/30/2016	0.0025 (J)						<0.0025	
5/25/2016	0.00272 (J)		0.0102		<0.0025		<0.0025	
7/22/2016					<0.0025			
7/25/2016			0.0059					
7/26/2016							<0.0025	
7/27/2016	0.0052							
9/15/2016					<0.0025			
9/16/2016	0.0048							
9/19/2016			0.0061					
9/20/2016							<0.0025	
11/16/2016			0.005		<0.0025			
11/17/2016	0.0095						0.001 (J)	
1/31/2017			0.012		<0.0025			
2/1/2017	0.009						<0.0025	
3/23/2017			0.013		<0.0025		0.0013 (J)	
3/24/2017	0.0026							
5/2/2017			0.013					
5/3/2017	0.0073				<0.0025		0.00055 (J)	
8/4/2017							0.0018 (J)	
8/7/2017			0.0099		<0.0025			
8/8/2017	0.0037							
1/24/2018			0.0047		<0.0025			
1/25/2018	0.01						0.00072 (J)	
6/20/2018			0.0063				<0.0025	
6/21/2018	0.012							

Prediction Limit

Constituent: Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12	GWC-15	GWC-15
6/26/2018					<0.0025			
1/22/2019								0.00016 (J)
1/24/2019				0.0015 (J)				
1/25/2019						0.00032 (J)		
1/31/2019		0.0063						
6/25/2019								0.00012 (J)
6/26/2019		0.0051		0.0037		0.00039 (J)		

Prediction Limit

Constituent: Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21
8/30/2011			0.0042					
8/31/2011					<0.0025		0.0047	
10/26/2011	<0.0005		<0.0025					
10/27/2011					<0.0025		0.0032	
12/3/2011	<0.0005		0.0036					
12/4/2011					<0.0025		0.003	
1/25/2012	<0.0005							
2/8/2012			<0.0025		<0.0025		0.0035	
7/11/2012	<0.0005		<0.0025		<0.0025			
7/17/2012							0.0043	
1/8/2013	<0.0005		0.0017		<0.0025			
1/9/2013							0.0019	
7/2/2013	<0.0005							
7/16/2013			<0.0025		<0.0025		0.0043	
1/14/2014	<0.0005							
1/21/2014			0.00055 (J)		<0.0025		0.00093 (J)	
6/24/2014			0.00071 (J)		0.00071 (J)		<0.0025	
6/25/2014	<0.0005							
1/13/2015	<0.0005		0.00085 (J)		<0.0025		0.00058 (J)	
7/22/2015	<0.0005							
7/23/2015			0.00099 (J)		0.0011 (J)		<0.0025	
1/26/2016							0.0015	
1/27/2016	<0.0005		0.00077 (J)		<0.0025			
3/30/2016	<0.0005		<0.0025		<0.0025		<0.0025	
5/25/2016	<0.0005							
5/26/2016			<0.0025		<0.0025		<0.0025	
7/25/2016			<0.0025		0.00042 (J)			
7/26/2016							<0.0025	
7/27/2016	<0.0005							
9/16/2016	<0.0005							
9/19/2016			<0.0025					
9/20/2016					0.00064 (J)		<0.0025	
11/17/2016	<0.0005		<0.0025		<0.0025		<0.0025	
2/1/2017	<0.0005							
2/2/2017			0.011		<0.0025		0.0004 (J)	
3/24/2017	<0.0005		0.0016 (J)					
3/28/2017					<0.0025		0.00047 (J)	
5/3/2017	<0.0005		0.0017 (J)					
5/4/2017					<0.0025		0.00043 (J)	
8/7/2017	<0.0005		0.00081 (J)		<0.0025		0.0024 (J)	
1/25/2018	<0.0005		0.00047 (J)					
1/26/2018					0.00058 (J)		0.0048	
6/20/2018	<0.0005						0.0031	
6/21/2018			0.0009 (J)		<0.0025			
1/24/2019								0.0028
1/25/2019		0.00013 (J)						
1/28/2019				0.00043 (J)		<0.0025		
6/25/2019		<0.0005				0.00012 (J)		0.0028
6/26/2019				0.00042 (J)				

Prediction Limit

Constituent: Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26
9/16/2011	0.0037							
9/17/2011					<0.0025		<0.0025	
10/29/2011	<0.0005						<0.0025	
10/31/2011					0.0042			
12/13/2011	0.003							
12/14/2011					0.0047		<0.0025	
1/31/2012	0.0027							
2/7/2012					<0.0025		<0.0025	
7/17/2012					0.044		<0.0025	
7/18/2012	0.0021							
1/22/2013	0.002							
1/24/2013							0.0018	
7/23/2013	0.0013							
7/24/2013					0.041		<0.0025	
1/22/2014	0.00035 (J)							
1/23/2014					0.0077		0.00041 (J)	
7/1/2014	0.00088 (J)							
7/8/2014			0.0023		0.028		<0.0025	
1/21/2015					0.0063		<0.0025	
1/22/2015	<0.0005							
7/29/2015	0.00052 (J)							
7/30/2015					0.01			
7/31/2015			0.0018				<0.0025	
1/20/2016			0.0023					
1/21/2016	<0.0005				0.0094			
1/25/2016							<0.0025	
3/24/2016							<0.0025	
3/28/2016					0.0117			
3/29/2016	<0.0005							
3/30/2016			<0.01					
5/25/2016	<0.0005		<0.01		0.0122		<0.0025	
7/26/2016							<0.0025	
7/27/2016	<0.0005		0.00095 (J)		0.0065			
9/16/2016			0.0053					
9/19/2016					0.0071		<0.0025	
9/20/2016	<0.0005							
11/14/2016							0.00061 (J)	
11/15/2016					0.029			
11/18/2016	<0.0005		0.0011 (J)					
1/19/2017							<0.0025	
1/24/2017					0.033			
2/3/2017	<0.0005		0.00097 (J)					
3/16/2017							<0.0025	
3/23/2017					0.022			
3/28/2017	<0.0005							
3/29/2017			0.00059 (J)					
5/1/2017							<0.0025	
5/2/2017					0.036			
5/4/2017	<0.0005		0.0011 (J)					
8/3/2017					0.00041 (J)		<0.0025	
8/8/2017	<0.0005		0.0011 (J)					
1/22/2018							<0.0025	

Prediction Limit

Constituent: Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26
1/25/2018	<0.0005		0.00088 (J)		0.01			
6/20/2018	<0.0005							
6/27/2018			0.00086 (J)		0.01		<0.0025	
1/24/2019						0.0014 (J)		0.00012 (J)
1/25/2019		8.4E-05 (J)						
1/31/2019				0.0029				
6/25/2019						0.001		0.00017 (J)
6/26/2019		<0.0005		0.001				

Prediction Limit

Constituent: Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33
9/15/2011					<0.0025			
9/16/2011							<0.0025	
9/17/2011	<0.0025		<0.0005					
10/29/2011	<0.0025							
10/30/2011							0.0031	
10/31/2011			<0.0005		<0.0025			
12/13/2011					<0.0025		0.0033	
12/14/2011	<0.0025							
1/25/2012	<0.0025							
2/1/2012					<0.0025		<0.0025	
2/7/2012			<0.0005					
7/17/2012	0.0023				<0.0025		0.0037	
1/23/2013			<0.0005		<0.0025		0.002	
1/24/2013	0.0033							
7/17/2013							0.0013	
7/24/2013					<0.0025			
1/23/2014	0.0024		<0.0005		<0.0025		0.00071 (J)	
7/1/2014			<0.0005		<0.0025			
7/8/2014	0.0027							
1/20/2015					<0.0025		0.0013	
1/21/2015	0.0025		<0.0005					
7/29/2015							0.00054 (J)	
7/30/2015	0.003				<0.0025			
1/22/2016	0.0018							
1/25/2016			<0.0005		<0.0025		0.00082 (J)	
3/23/2016	0.00275 (J)				<0.0025		<0.0025	
3/30/2016			<0.0005					
5/24/2016	0.0024 (J)				<0.0025		0.0136	
5/25/2016			<0.0005					
7/22/2016					0.00058 (J)		0.01	
7/26/2016	0.0043							
7/27/2016			0.0015 (J)					
9/16/2016					0.00088 (J)		0.011	
9/19/2016	0.0024 (J)							
11/11/2016	0.0018 (J)							
11/15/2016					<0.0025			
11/17/2016							0.0032	
1/20/2017	0.0027							
1/25/2017			<0.0005				<0.0025	
1/26/2017					0.0013 (J)			
3/16/2017	0.0024 (J)							
3/23/2017			<0.0005				0.0037	
3/24/2017					0.0012 (J)			
4/28/2017	0.0026							
5/1/2017							0.0085	
5/2/2017			<0.0005		0.00095 (J)			
7/19/2017			<0.0005					
8/3/2017	0.0024 (J)				0.00045 (J)			
8/4/2017			<0.0005				0.0023 (J)	
1/19/2018	0.0019 (J)							
1/23/2018			<0.0005		0.00053 (J)		0.0024 (J)	
6/26/2018					<0.0025		0.0042	

Prediction Limit

Constituent: Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33
6/27/2018	0.002 (J)		<0.0005					
1/24/2019		0.0019 (J)						
1/30/2019						0.00012 (J)		0.00012 (J)
1/31/2019				<0.0005				
6/26/2019		0.0023		<0.0005				0.0025
6/27/2019						0.00017 (J)		

Prediction Limit

Constituent: Cobalt Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34	GWC-35	GWC-35	GWC-5	GWC-5	GWC-6	GWC-6
8/31/2011					0.02		0.013	
9/16/2011	<0.0005		<0.0025					
10/27/2011					0.038			
10/30/2011							0.037	
10/31/2011	<0.0005		<0.0025					
12/5/2011					0.04		0.029	
12/12/2011	<0.0005		0.0025					
1/25/2012					0.043		0.018	
2/1/2012	<0.0005		<0.0025					
7/16/2012	<0.0005		0.0017					
7/18/2012					0.028			
7/24/2012							0.011	
1/8/2013							0.012	
1/9/2013					0.037			
1/22/2013	<0.0005		0.0013					
7/2/2013			<0.0025					
7/9/2013							0.017	
7/17/2013	<0.0005				0.018			
1/15/2014					0.018		0.017	
1/21/2014			0.00076 (J)					
1/23/2014	<0.0005							
6/25/2014	<0.0005		0.00093 (J)		0.019		0.0099	
1/13/2015					0.012			
1/14/2015	<0.0005		0.00069 (J)					
1/20/2015							0.0098	
7/24/2015					0.013		0.012	
7/28/2015			0.00053 (J)					
7/29/2015	<0.0005							
1/20/2016					0.012		0.01	
1/21/2016	<0.0005		0.0005 (J)					
3/24/2016	<0.0005		<0.0025					
3/28/2016					0.0101		0.0104	
5/23/2016	<0.0005		<0.0025		0.00701 (J)			
5/24/2016							0.00926 (J)	
7/21/2016	<0.0005		<0.0025		0.0079		0.01	
9/15/2016	<0.0005		<0.0025		0.02		0.014	
11/15/2016	0.00043 (J)		<0.0025		0.011			
11/16/2016							0.015	
1/25/2017	<0.0005							
1/26/2017			<0.0025		0.0075		0.011	
3/22/2017	<0.0005		<0.0025		0.0063		0.012	
5/1/2017	<0.0005							
5/2/2017			<0.0025		0.0036		0.0094	
8/3/2017	0.027		<0.0025		0.0061		0.014	
1/23/2018	<0.0005		<0.0025		0.01		0.013	
6/19/2018			0.00042 (J)					
6/20/2018	<0.0005							
6/25/2018					0.0049		0.014	
1/21/2019				0.00025 (J)				
1/28/2019		<0.0005						
1/30/2019						0.00068 (J)		0.017
6/26/2019		<0.0005		0.00028 (J)		0.0054		0.012

Prediction Limit

Constituent: Cobalt, Copper Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9	GWA-2	GWA-2
9/7/2011	<0.0025							
9/17/2011							<0.002	
10/27/2011							<0.002	
10/30/2011	<0.0025		0.021		<0.0025			
12/4/2011					0.14			
12/5/2011	<0.0025							
12/14/2011							<0.002	
1/19/2012			0.028		0.13			
1/25/2012	<0.0025							
2/7/2012							<0.002	
7/18/2012	0.017		0.037		0.12			
7/23/2012							<0.002	
1/7/2013	0.03		0.037					
1/8/2013					0.056			
1/23/2013							<0.002	
7/9/2013	0.028		0.065		0.042			
7/24/2013							<0.002	
1/14/2014	0.021		0.026		0.038			
1/22/2014							<0.002	
6/24/2014	0.011		0.034		0.039			
7/1/2014							0.0011 (J)	
1/20/2015	0.0088		0.031		0.037			
1/22/2015							<0.002	
7/22/2015							0.0012 (J)	
7/27/2015	0.0061		0.031		0.04			
1/20/2016							<0.002	
1/26/2016	0.002		0.021		0.028			
3/29/2016	0.00652 (J)		0.0208		0.0328			
5/24/2016	0.00462 (J)		0.0649		0.0334			
7/22/2016	0.0042							
7/25/2016					0.051			
7/26/2016			0.044					
9/15/2016	0.0036							
9/19/2016			0.059		0.055			
11/16/2016	0.0044		0.064		0.061			
1/19/2017							<0.002	
1/26/2017	0.00091 (J)		0.0017 (J)					
1/31/2017					0.15			
3/22/2017	0.0016 (J)							
3/23/2017			0.025		0.091			
5/2/2017	0.011				0.049			
5/3/2017			0.047					
8/2/2017							<0.002	
8/4/2017	0.0033							
8/7/2017			0.042		0.057			
1/19/2018							<0.002	
1/23/2018	0.0028							
1/24/2018			0.014		0.044			
6/19/2018							<0.002	
6/21/2018			0.04		0.049			
6/25/2018	0.0057							
1/17/2019								<0.002

Prediction Limit

Constituent: Cobalt, Copper Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9	GWA-2	GWA-2
1/21/2019		0.00051 (J)						
1/22/2019				0.013		0.028		
6/24/2019								0.0011 (J)
6/25/2019		0.0039		0.035		0.043		

Prediction Limit

Constituent: Copper Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28	GWA-29	GWA-29	GWA-3	GWA-3	GWC-11	GWC-11
8/31/2011					<0.002			
9/13/2011							<0.002	
9/16/2011	<0.002							
9/17/2011			<0.013					
10/28/2011	<0.002		<0.013				<0.002	
12/4/2011							<0.002	
12/12/2011	<0.002		<0.013					
1/25/2012	<0.002							
1/31/2012			0.018					
2/9/2012							<0.002	
7/16/2012	<0.002							
7/17/2012			0.0066					
7/18/2012							<0.002	
1/8/2013							<0.002	
1/24/2013	<0.002		0.015					
7/9/2013							<0.002	
7/23/2013	<0.002							
7/24/2013			0.015					
1/15/2014							0.0012 (J)	
1/22/2014	0.0012 (J)		0.015					
6/25/2014					0.0016 (J)		0.0012 (J)	
7/1/2014	<0.002							
7/8/2014			0.0081 (D)					
1/21/2015	<0.002		0.0088				<0.002	
7/21/2015	<0.002				<0.002			
7/22/2015			0.0072					
7/28/2015							<0.002	
1/19/2016			0.0083 (D)					
1/22/2016	<0.002							
1/26/2016							0.001 (J)	
1/17/2017	<0.002		0.0065					
1/31/2017							<0.002	
8/1/2017	<0.002		0.0044		<0.002			
8/7/2017							<0.002	
1/19/2018	<0.002		0.0046					
1/24/2018							<0.002	
6/19/2018	<0.002		0.0063					
6/20/2018					<0.002		<0.002	
1/18/2019				0.0059		<0.002		
1/21/2019		<0.002						
1/24/2019								<0.002
6/25/2019		<0.002		0.0085		0.004		
6/26/2019								<0.002

Prediction Limit

Constituent: Copper Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13	GWC-14	GWC-14	GWC-15	GWC-15	GWC-17	GWC-17
8/30/2011							<0.002	
9/13/2011	<0.002		<0.0025					
9/16/2011					<0.002			
10/26/2011							<0.002	
10/27/2011			<0.0025		<0.002			
10/28/2011	<0.002							
12/3/2011			<0.0025		<0.002		<0.002	
12/4/2011	<0.002							
1/24/2012	<0.002		<0.0025					
1/25/2012							<0.002	
2/9/2012					<0.002			
7/11/2012	<0.002		<0.0025		<0.002		<0.002	
1/8/2013	<0.002		<0.0025		<0.002		<0.002	
7/2/2013					<0.002			
7/10/2013	<0.002		<0.0025					
7/16/2013							<0.002	
1/14/2014							<0.002	
1/21/2014	<0.002		<0.0025		<0.002			
6/24/2014					<0.002			
6/25/2014							<0.002	
7/1/2014	<0.002		0.0014 (J)					
1/14/2015			<0.0025		<0.002		<0.002	
1/21/2015	<0.002							
7/22/2015			<0.0025		<0.002			
7/28/2015	<0.002						0.00081 (J)	
1/27/2016	0.0021 (J)		0.0068		<0.002		<0.002	
1/31/2017	<0.002							
2/1/2017			<0.0025		<0.002		<0.002	
8/4/2017	<0.002				<0.002			
8/7/2017			<0.0025				<0.002	
1/25/2018	<0.002		<0.0025		<0.002		<0.002	
6/20/2018	<0.002		<0.0025		<0.002			
6/26/2018							<0.002	
1/22/2019		<0.002		<0.0025		0.003		
1/24/2019								<0.002
6/25/2019		<0.002		0.0008 (J)		<0.002		<0.002

Prediction Limit

Constituent: Copper Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25
8/31/2011	<0.002							
9/16/2011			<0.002					
9/17/2011							<0.0025	
10/27/2011	<0.002							
10/29/2011			<0.002					
10/31/2011							<0.0025	
12/4/2011	<0.002							
12/13/2011			<0.002					
12/14/2011							<0.0025	
1/31/2012			<0.002					
2/7/2012							<0.0025	
2/8/2012	<0.002							
7/11/2012	<0.002							
7/17/2012							<0.0025	
7/18/2012			<0.002					
1/8/2013	<0.002							
1/22/2013			<0.002					
7/16/2013	<0.002							
7/23/2013			<0.002					
7/24/2013							<0.0025	
1/21/2014	<0.002							
1/22/2014			<0.002					
1/23/2014							0.0034 (J)	
6/24/2014	<0.002							
7/1/2014			0.0015 (J)					
7/8/2014					<0.0025		0.0017 (J)	
1/13/2015	<0.002							
1/21/2015							<0.0025	
1/22/2015			<0.002					
7/23/2015	<0.002							
7/29/2015			0.0012 (J)					
7/30/2015							0.0028 (J)	
7/31/2015					0.0028 (J)			
1/20/2016					0.0012 (J)			
1/21/2016			<0.002				0.0029 (J)	
1/27/2016	<0.002							
1/24/2017							<0.0025	
2/2/2017	<0.002							
2/3/2017			<0.002		<0.0025			
8/3/2017							<0.0025	
8/7/2017	0.0054							
8/8/2017			<0.002		<0.0025			
1/25/2018			<0.002		<0.0025		<0.0025	
1/26/2018	0.0025							
6/20/2018			<0.002					
6/21/2018	<0.002							
6/27/2018					<0.0025		<0.0025	
1/24/2019								0.003
1/25/2019				<0.002				
1/28/2019		<0.002						
1/31/2019						0.00063 (J)		
6/25/2019		<0.002						0.0029

Prediction Limit

Constituent: Copper Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25
6/26/2019				<0.002		0.00094 (J)		

Prediction Limit

Constituent: Copper Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26	GWC-27	GWC-27	GWC-31	GWC-31	GWC-33	GWC-33
9/16/2011							<0.002	
9/17/2011	<0.0025		<0.002		<0.0025			
10/29/2011	<0.0025		<0.002					
10/30/2011							<0.002	
10/31/2011					<0.0025			
12/13/2011							<0.002	
12/14/2011	<0.0025		<0.002					
1/25/2012			<0.002					
2/1/2012							<0.002	
2/7/2012	<0.0025				<0.0025			
7/17/2012	<0.0025		<0.002				<0.002	
1/23/2013					<0.0025		<0.002	
1/24/2013	<0.0025		<0.002					
7/17/2013							<0.002	
7/24/2013	<0.0025		<0.002					
1/23/2014	0.0027 (J)		<0.002		0.0018 (J)		<0.002	
7/1/2014					0.0048 (J)			
7/8/2014	<0.0025		<0.002					
1/20/2015							<0.002	
1/21/2015	<0.0025		<0.002		<0.0025			
7/29/2015							0.0012 (J)	
7/30/2015			0.002 (J)					
7/31/2015	0.0024 (J)							
1/22/2016			0.0038 (J)					
1/25/2016	<0.0025				<0.0025		<0.002	
1/19/2017	<0.0025							
1/20/2017			<0.002					
1/25/2017					<0.0025		<0.002	
8/3/2017	<0.0025		<0.002					
8/4/2017					0.003		<0.002	
1/19/2018			<0.002					
1/22/2018	<0.0025							
1/23/2018					0.0022 (J)		<0.002	
6/26/2018							<0.002	
6/27/2018	<0.0025		<0.002		0.0036			
1/24/2019		0.0017 (J)		<0.002				
1/30/2019								<0.002
1/31/2019						0.00064 (J)		
6/25/2019		0.002						
6/26/2019				<0.002		0.0019 (J)		<0.002

Prediction Limit

Constituent: Copper Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35	GWC-5	GWC-5	GWC-6	GWC-6	GWC-8	GWC-8
8/31/2011			<0.002		<0.002			
9/7/2011							<0.0025	
9/16/2011	<0.002							
10/27/2011			<0.002					
10/30/2011					<0.002		<0.0025	
10/31/2011	<0.002							
12/5/2011			<0.002		<0.002		<0.0025	
12/12/2011	<0.002							
1/19/2012							<0.0025	
1/25/2012			<0.002		<0.002			
2/1/2012	<0.002							
7/16/2012	<0.002							
7/18/2012			<0.002				<0.0025	
7/24/2012					<0.002			
1/7/2013							<0.0025	
1/8/2013					<0.002			
1/9/2013			<0.002					
1/22/2013	<0.002							
7/2/2013	<0.002							
7/9/2013					<0.002		<0.0025	
7/17/2013			<0.002					
1/14/2014							0.001 (J)	
1/15/2014			0.0012 (J)		0.0031 (J)			
1/21/2014	0.0017 (J)							
6/24/2014							<0.0025	
6/25/2014	0.00087 (J)		0.00098 (J)		<0.002			
1/13/2015			0.00095 (J)					
1/14/2015	<0.002							
1/20/2015					<0.002		0.0014 (J)	
7/24/2015			<0.002		<0.002			
7/27/2015							<0.0025	
7/28/2015	0.0008 (J)							
1/20/2016			<0.002		0.0011 (J)			
1/21/2016	0.00095 (J)							
1/26/2016							0.0013 (J)	
1/26/2017	<0.002		<0.002		<0.002		0.0021 (J)	
8/3/2017	<0.002		<0.002		<0.002			
8/7/2017							0.0035	
1/23/2018	<0.002		<0.002		<0.002			
1/24/2018							<0.0025	
6/19/2018	<0.002							
6/21/2018							0.0024 (J)	
6/25/2018			<0.002		<0.002			
1/21/2019		<0.002						
1/22/2019								<0.0025
1/30/2019				<0.002		<0.002		
6/25/2019								0.00074 (J)
6/26/2019		<0.002		<0.002		<0.002		

Prediction Limit

Constituent: Copper, Lead Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9	GWA-29	GWA-29	GWA-3	GWA-3	GWC-10	GWC-10
8/31/2011					<0.001			
9/7/2011	<0.002							
9/17/2011			<0.001					
10/28/2011			<0.001					
10/30/2011	<0.002							
12/4/2011	<0.002							
12/12/2011			<0.001					
1/19/2012	<0.002							
1/31/2012			<0.001					
7/17/2012			<0.001					
7/18/2012	<0.002							
1/8/2013	<0.002							
1/24/2013			<0.001					
7/9/2013	<0.002							
7/24/2013			<0.001					
1/14/2014	<0.002							
1/22/2014			<0.001					
6/24/2014	<0.002							
6/25/2014					<0.001			
7/8/2014			<0.001 (D)					
1/20/2015	<0.002							
1/21/2015			<0.001					
7/21/2015					<0.001			
7/22/2015			<0.001					
7/27/2015	<0.002							
1/19/2016			<0.001 (D)					
1/25/2016							<0.001	
1/26/2016	0.0022 (J)							
3/22/2016			<0.001					
3/30/2016							<0.001	
3/31/2016					<0.001			
5/19/2016			<0.001					
5/25/2016					<0.001		<0.001	
7/21/2016			<0.001					
7/27/2016					<0.001		0.0013	
9/16/2016							<0.001	
11/17/2016							<0.001	
1/17/2017			<0.001					
1/31/2017	0.0021 (J)							
2/1/2017							<0.001	
3/24/2017							<0.001	
4/27/2017			<0.001					
5/3/2017							<0.001	
7/18/2017			<0.001					
8/1/2017			<0.001		<0.001			
8/7/2017	<0.002							
8/8/2017							<0.001	
10/3/2017					<0.001			
1/19/2018			<0.001					
1/24/2018	<0.002							
1/25/2018							<0.001	
6/19/2018			<0.001					

Prediction Limit

Constituent: Copper, Lead Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9	GWA-29	GWA-29	GWA-3	GWA-3	GWC-10	GWC-10
6/20/2018					<0.001			
6/21/2018	0.0026						<0.001	
1/18/2019				<0.001		0.00011 (J)		
1/22/2019		<0.002						
1/31/2019								0.00013 (J)
6/25/2019		<0.002		0.00029 (J)		<0.001		
6/26/2019								<0.001

Prediction Limit

Constituent: Lead Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17	GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20
8/30/2011	<0.001		<0.001		<0.001			
8/31/2011							<0.001	
10/26/2011	<0.001		<0.001		<0.001			
10/27/2011							<0.001	
12/3/2011	<0.001		<0.001		<0.001			
12/4/2011							<0.001	
1/25/2012	<0.001							
2/8/2012					<0.001		<0.001	
2/9/2012			<0.001					
7/11/2012	<0.001		<0.001		<0.001		<0.001	
1/8/2013	<0.001		<0.001		<0.001		<0.001	
7/16/2013	<0.001		<0.001		<0.001		<0.001	
1/14/2014	<0.001		<0.001					
1/21/2014					<0.001		<0.001	
6/24/2014			<0.001		<0.001		<0.001	
6/25/2014	<0.001							
1/13/2015			0.0026 (J)		<0.001		<0.001	
1/14/2015	<0.001							
7/23/2015			<0.001		<0.001		<0.001	
7/28/2015	<0.001							
1/27/2016	<0.001		<0.001		<0.001		<0.001	
3/30/2016	<0.001		<0.001		<0.001		<0.001	
5/25/2016	<0.001							
5/26/2016			<0.001		<0.001		<0.001	
7/25/2016			<0.001		<0.001		<0.001	
7/27/2016	<0.001							
9/19/2016	<0.001		<0.001		<0.001			
9/20/2016							<0.001	
11/17/2016	<0.001		<0.001		<0.001		<0.001	
2/1/2017	0.0009 (J)		<0.001					
2/2/2017					<0.001		<0.001	
3/24/2017	<0.001		<0.001		<0.001			
3/28/2017							<0.001	
5/3/2017	<0.001		<0.001		0.0013			
5/4/2017							<0.001	
8/7/2017	<0.001		<0.001		<0.001		0.011	
1/25/2018	<0.001		<0.001		<0.001			
1/26/2018							<0.001	
6/21/2018			<0.001		<0.001		<0.001	
6/26/2018	<0.001							
1/24/2019		<0.001						
1/28/2019				0.00016 (J)		0.00011 (J)		0.00014 (J)
6/25/2019		<0.001						<0.001
6/26/2019						<0.001		
6/27/2019				<0.001				

Prediction Limit

Constituent: Lead Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27
9/17/2011			<0.001		<0.001		<0.001	
10/29/2011					<0.001		<0.001	
10/31/2011			<0.001					
12/14/2011			<0.001		<0.001		<0.001	
1/25/2012							<0.001	
2/7/2012			<0.001		<0.001			
7/17/2012			<0.001		<0.001		<0.001	
1/24/2013					<0.001		<0.001	
7/24/2013			<0.001		<0.001		<0.001	
1/23/2014			<0.001		<0.001		<0.001	
7/8/2014	<0.0013		<0.001		<0.001		<0.001	
1/21/2015			<0.001		<0.001		<0.001	
7/30/2015			<0.001				<0.001	
7/31/2015	<0.0013				<0.001			
1/20/2016	<0.0013							
1/21/2016			<0.001					
1/22/2016							<0.001	
1/25/2016					<0.001			
3/23/2016							<0.001	
3/24/2016					<0.001			
3/28/2016			<0.001					
3/30/2016	<0.0013							
5/24/2016							<0.001	
5/25/2016	<0.0013		<0.001		<0.001			
7/26/2016					<0.001		<0.001	
7/27/2016	<0.0013		<0.001					
9/16/2016	<0.0013							
9/19/2016			<0.001		<0.001		<0.001	
11/11/2016							<0.001	
11/14/2016					<0.001			
11/15/2016			<0.001					
11/18/2016	<0.0013							
1/19/2017					<0.001			
1/20/2017							<0.001	
1/24/2017			<0.001					
2/3/2017	<0.0013							
3/16/2017					<0.001		<0.001	
3/23/2017			<0.001					
3/29/2017	<0.0013							
4/28/2017							<0.001	
5/1/2017					<0.001			
5/2/2017			0.0021					
5/4/2017	<0.0013							
8/3/2017			<0.001		<0.001		<0.001	
8/8/2017	<0.0013							
1/19/2018							<0.001	
1/22/2018					<0.001			
1/25/2018	<0.0013		<0.001					
6/27/2018	<0.0013		<0.001		<0.001		<0.001	
1/24/2019				0.00021 (J)		9.8E-05 (J)		9.8E-05 (J)
1/31/2019		0.00013 (J)						
6/25/2019				<0.001		<0.001		

Prediction Limit

Constituent: Lead Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27
6/26/2019		0.00016 (J)						<0.001

Prediction Limit

Constituent: Lead Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31	GWC-34	GWC-34	GWC-5	GWC-5	GWC-8	GWC-8
8/31/2011					<0.001			
9/7/2011							<0.001	
9/16/2011			<0.001					
9/17/2011	<0.0013							
10/27/2011					<0.001			
10/30/2011							<0.001	
10/31/2011	<0.0013		<0.001					
12/5/2011					<0.001		<0.001	
12/12/2011			<0.001					
1/19/2012							<0.001	
1/25/2012					<0.001			
2/1/2012			<0.001					
2/7/2012	<0.0013							
7/16/2012			<0.001					
7/18/2012					<0.001		<0.001	
1/7/2013							<0.001	
1/9/2013					<0.001			
1/22/2013			<0.001					
1/23/2013	<0.0013							
7/9/2013							<0.001	
7/17/2013			<0.001		<0.001			
1/14/2014							<0.001	
1/15/2014					<0.001			
1/23/2014	0.0012 (J)		<0.001					
6/24/2014							<0.001	
6/25/2014			<0.001		<0.001			
7/1/2014	<0.0013							
1/13/2015					<0.001			
1/14/2015			<0.001					
1/20/2015							<0.001	
1/21/2015	<0.0013							
7/24/2015					<0.001			
7/27/2015							<0.001	
7/29/2015			<0.001					
1/20/2016					<0.001			
1/21/2016			<0.001					
1/25/2016	<0.0013							
1/26/2016							<0.001	
3/24/2016			<0.001					
3/28/2016					<0.001			
3/29/2016							<0.001	
3/30/2016	<0.0013							
5/23/2016			<0.001		<0.001			
5/24/2016							<0.001	
5/25/2016	<0.0013							
7/21/2016			<0.001		<0.001			
7/26/2016							<0.001	
7/27/2016	0.00078 (J)							
9/15/2016			<0.001		<0.001			
9/19/2016							<0.001	
11/15/2016			<0.001		<0.001			
11/16/2016							<0.001	

Prediction Limit

Constituent: Lead Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31	GWC-34	GWC-34	GWC-5	GWC-5	GWC-8	GWC-8
1/25/2017	0.00042 (J)		<0.001					
1/26/2017					<0.001		<0.001	
3/22/2017			<0.001		<0.001			
3/23/2017	<0.0013						<0.001	
5/1/2017			<0.001					
5/2/2017	0.00039 (J)				<0.001			
5/3/2017							<0.001	
7/19/2017	0.00051 (J)							
8/3/2017			<0.001		<0.001			
8/4/2017	0.00037 (J)							
8/7/2017							<0.001	
1/23/2018	<0.0013		<0.001		<0.001			
1/24/2018							<0.001	
6/20/2018			<0.001					
6/21/2018							0.00036 (J)	
6/25/2018					<0.001			
6/27/2018	<0.0013							
1/22/2019								<0.001
1/28/2019				0.00022 (J)				
1/30/2019						0.00014 (J)		
1/31/2019		0.00015 (J)						
6/25/2019								<0.001
6/26/2019		0.00022 (J)		<0.001		<0.001		

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-2	GWA-2	GWA-28	GWA-28	GWA-3	GWA-3
8/31/2011							<0.0002	
9/16/2011	<0.0002				<0.0002			
9/17/2011			<0.0002					
10/27/2011	<0.0002		<0.0002					
10/28/2011					<0.0002			
12/12/2011					<0.0002			
12/13/2011	<0.0002							
12/14/2011			<0.0002					
1/25/2012					<0.0002			
1/31/2012	<0.0002							
2/7/2012			<0.0002					
7/16/2012					<0.0002			
7/18/2012	<0.0002							
7/23/2012			<0.0002					
1/23/2013			<0.0002					
1/24/2013	<0.0002				<0.0002			
7/17/2013	<0.0002							
7/23/2013					<0.0002			
7/24/2013			<0.0002					
1/21/2014	<0.0002							
1/22/2014			<0.0002		<0.0002			
6/25/2014	<0.0002						<0.0002	
7/1/2014			<0.0002		<0.0002			
1/14/2015	<0.0002							
1/21/2015					<0.0002			
1/22/2015			<0.0002					
7/21/2015	<0.0002				<0.0002		<0.0002	
7/22/2015			<0.0002					
1/20/2016			<0.0002					
1/21/2016	<0.0002							
1/22/2016					<0.0002			
3/22/2016					<0.0002			
3/23/2016	<0.0002		<0.0002					
3/31/2016							<0.0002	
5/20/2016	<0.0002							
5/23/2016					<0.0002			
5/24/2016			<0.0002					
5/25/2016							<0.0002	
7/21/2016	9.7E-05 (J)							
7/25/2016					8.9E-05 (J)			
7/26/2016			0.00012 (J)					
7/27/2016							0.00011 (J)	
9/15/2016	<0.0002				<0.0002			
9/16/2016			<0.0002					
11/9/2016					<0.0002			
11/10/2016			<0.0002					
11/11/2016	<0.0002							
1/17/2017					<0.0002			
1/19/2017	<0.0002		<0.0002					
3/16/2017	0.00015 (J)				0.00016 (J)			
3/17/2017			0.00015 (J)					
4/27/2017					<0.0002			

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-2	GWA-2	GWA-28	GWA-28	GWA-3	GWA-3
4/28/2017	<0.0002		<0.0002					
8/1/2017					<0.0002		<0.0002	
8/2/2017			<0.0002					
8/3/2017	<0.0002							
10/3/2017							<0.0002	
1/19/2018	<0.0002		<0.0002		<0.0002			
6/19/2018	<0.0002		<0.0002		<0.0002			
6/20/2018							<0.0002	
1/17/2019		<0.0002		<0.0002				
1/18/2019								<0.0002
1/21/2019						<0.0002		
6/24/2019		<0.0002		<0.0002				
6/25/2019						<0.0002		<0.0002

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12
8/31/2011	<0.0002							
9/13/2011					<0.0002		<0.0002	
10/27/2011	<0.0002							
10/28/2011					<0.0002		<0.0002	
12/4/2011					<0.0002		<0.0002	
12/14/2011	<0.0002							
1/24/2012							<0.0002	
2/1/2012	<0.0002							
2/9/2012					<0.0002			
7/11/2012							<0.0002	
7/18/2012					<0.0002			
7/23/2012	<0.0002							
1/8/2013					<0.0002		<0.0002	
1/23/2013	<0.0002							
7/9/2013					<0.0002			
7/10/2013							<0.0002	
7/17/2013	<0.0002							
1/15/2014	<0.0002				<0.0002			
1/21/2014							<0.0002	
6/25/2014	<0.0002				<0.0002			
7/1/2014							<0.0002	
1/14/2015	<0.0002							
1/21/2015					<0.0002		<0.0002	
7/21/2015	<0.0002							
7/28/2015					<0.0002		<0.0002	
1/20/2016	<0.0002							
1/25/2016			<0.0002					
1/26/2016					<0.0002		<0.0002	
3/23/2016	<0.0002							
3/29/2016					<0.0002		<0.0002	
3/30/2016			<0.0002					
5/19/2016	<0.0002							
5/25/2016			<0.0002		<0.0002		<0.0002	
7/21/2016	8.7E-05 (J)							
7/22/2016							<0.0002	
7/25/2016					9.6E-05 (J)			
7/27/2016			9.4E-05 (J)					
9/14/2016	<0.0002							
9/15/2016							<0.0002	
9/16/2016			<0.0002					
9/19/2016					<0.0002			
11/10/2016	<0.0002							
11/16/2016					<0.0002		<0.0002	
11/17/2016			<0.0002					
1/17/2017	<0.0002							
1/31/2017					7.1E-05 (J)		0.00013 (J)	
2/1/2017			0.00011 (J)					
3/16/2017	0.00016 (J)							
3/23/2017					<0.0002		<0.0002	
3/24/2017			<0.0002					
4/27/2017	<0.0002							
5/2/2017					<0.0002			

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4	GWC-10	GWC-10	GWC-11	GWC-11	GWC-12	GWC-12
5/3/2017			<0.0002				<0.0002	
8/2/2017	<0.0002							
8/7/2017					<0.0002		<0.0002	
8/8/2017			<0.0002					
1/22/2018	<0.0002							
1/24/2018					<0.0002		<0.0002	
1/25/2018			<0.0002					
6/19/2018	<0.0002							
6/20/2018					<0.0002			
6/21/2018			<0.0002					
6/26/2018							<0.0002	
1/17/2019		<0.0002						
1/24/2019						<0.0002		
1/25/2019								<0.0002
1/31/2019				<0.0002				
6/24/2019		<0.0002						
6/26/2019				<0.0002		<0.0002		<0.0002

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13	GWC-14	GWC-14	GWC-15	GWC-15	GWC-16	GWC-16
8/30/2011							<0.0002	
9/13/2011	<0.0002		<0.0002					
9/16/2011					<0.0002			
10/26/2011							<0.0002	
10/27/2011			<0.0002		<0.0002			
10/28/2011	<0.0002							
12/3/2011			<0.0002		<0.0002		<0.0002	
12/4/2011	<0.0002							
1/24/2012	<0.0002		<0.0002					
1/25/2012							<0.0002	
2/9/2012					<0.0002			
7/11/2012	<0.0002		<0.0002		<0.0002		<0.0002	
1/8/2013	<0.0002		<0.0002		<0.0002		<0.0002	
7/2/2013					<0.0002		<0.0002	
7/10/2013	<0.0002		<0.0002					
1/14/2014							<0.0002	
1/21/2014	<0.0002		<0.0002		<0.0002			
6/24/2014					<0.0002			
6/25/2014							<0.0002	
7/1/2014	<0.0002		<0.0002					
1/13/2015							<0.0002	
1/14/2015			<0.0002		<0.0002			
1/21/2015	<0.0002							
7/22/2015			3.99E-05 (J)		<0.0002		<0.0002	
7/28/2015	<0.0002							
1/27/2016	<0.0002		<0.0002		<0.0002		<0.0002	
3/29/2016	<0.0002							
3/30/2016			<0.0002		<0.0002		<0.0002	
5/25/2016	<0.0002		<0.0002		<0.0002		<0.0002	
7/26/2016	0.00012 (J)		0.00012 (J)		0.00012 (J)			
7/27/2016							8.9E-05 (J)	
9/15/2016	<0.0002		<0.0002					
9/16/2016							<0.0002	
9/20/2016					<0.0002			
11/17/2016	<0.0002		8.7E-05 (J)		<0.0002		<0.0002	
1/31/2017	9.6E-05 (J)							
2/1/2017			9.2E-05 (J)		0.00013 (J)		0.00015 (J)	
3/23/2017	<0.0002		<0.0002		<0.0002			
3/24/2017							<0.0002	
5/3/2017	<0.0002		<0.0002		<0.0002		<0.0002	
8/4/2017	<0.0002				<0.0002			
8/7/2017			<0.0002				<0.0002	
1/25/2018	<0.0002		<0.0002		<0.0002		<0.0002	
6/20/2018	<0.0002		8.5E-05 (J)		<0.0002		<0.0002	
1/22/2019		<0.0002		<0.0002		<0.0002		
1/25/2019								<0.0002
6/25/2019		<0.0002		<0.0002		<0.0002		<0.0002

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17	GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20
8/30/2011	<0.0002		<0.0002		<0.0002			
8/31/2011							<0.0002	
10/26/2011	<0.0002		<0.0002		<0.0002			
10/27/2011							<0.0002	
12/3/2011	<0.0002		<0.0002		<0.0002			
12/4/2011							<0.0002	
1/25/2012	<0.0002							
2/8/2012					<0.0002		<0.0002	
2/9/2012			<0.0002					
7/11/2012	<0.0002		<0.0002		<0.0002		<0.0002	
1/8/2013	<0.0002		<0.0002		<0.0002		<0.0002	
7/16/2013	<0.0002		<0.0002		<0.0002		<0.0002	
1/14/2014	<0.0002		<0.0002					
1/21/2014					<0.0002		<0.0002	
6/24/2014			<0.0002		<0.0002		<0.0002	
6/25/2014	<0.0002							
1/13/2015			<0.0002		<0.0002		<0.0002	
1/14/2015	<0.0002							
7/23/2015			<0.0002		<0.0002		<0.0002	
7/28/2015	<0.0002							
1/27/2016	<0.0002		<0.0002		<0.0002		<0.0002	
3/30/2016	<0.0002		<0.0002		<0.0002		<0.0002	
5/25/2016	<0.0002							
5/26/2016			<0.0002		<0.0002		<0.0002	
7/25/2016			0.00012 (J)		0.00013 (J)		0.00011 (J)	
7/27/2016	9.7E-05 (J)							
9/19/2016	<0.0002		<0.0002		<0.0002			
9/20/2016							<0.0002	
11/17/2016	<0.0002		<0.0002		<0.0002		<0.0002	
2/1/2017	0.0002		9.8E-05 (J)					
2/2/2017					0.00011 (J)		8.6E-05 (J)	
3/24/2017	<0.0002		<0.0002		<0.0002			
3/28/2017							<0.0002	
5/3/2017	<0.0002		<0.0002		<0.0002			
5/4/2017							<0.0002	
8/7/2017	<0.0002		<0.0002		<0.0002		<0.0002	
1/25/2018	<0.0002		<0.0002		<0.0002			
1/26/2018							<0.0002	
6/21/2018			<0.0002		<0.0002		<0.0002	
6/26/2018	<0.0002							
1/24/2019		<0.0002						
1/28/2019				<0.0002		<0.0002		<0.0002
6/25/2019		<0.0002						<0.0002
6/26/2019						<0.0002		
6/27/2019				<0.0002				

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21	GWC-22	GWC-22	GWC-23	GWC-23	GWC-24	GWC-24
8/31/2011	<0.0002							
9/15/2011			<0.0002					
9/16/2011					<0.0002			
10/27/2011	<0.0002							
10/29/2011			<0.0002		<0.0002			
12/4/2011	<0.0002							
12/13/2011			<0.0002		<0.0002			
1/25/2012			<0.0002					
1/31/2012					<0.0002			
2/8/2012	<0.0002							
7/17/2012	<0.0002							
7/18/2012			<0.0002		<0.0002			
1/9/2013	<0.0002							
1/22/2013			<0.0002		<0.0002			
7/16/2013	<0.0002		<0.0002					
7/23/2013					<0.0002			
1/21/2014	<0.0002		<0.0002					
1/22/2014					<0.0002			
6/24/2014	<0.0002							
6/25/2014			<0.0002					
7/1/2014					<0.0002			
7/8/2014							<0.0002	
1/13/2015	<0.0002							
1/14/2015			<0.0002					
1/22/2015					<0.0002			
7/23/2015	<0.0002		<0.0002					
7/29/2015					<0.0002			
7/31/2015							<0.0002	
1/20/2016							<0.0002	
1/21/2016					<0.0002			
1/26/2016	<0.0002		<0.0002					
3/29/2016					<0.0002			
3/30/2016	<0.0002						<0.0002	
3/31/2016			<0.0002					
5/25/2016					<0.0002		<0.0002	
5/26/2016	<0.0002		<0.0002					
7/26/2016	0.00013 (J)		0.00012 (J)					
7/27/2016					8.6E-05 (J)		9E-05 (J)	
9/16/2016							<0.0002	
9/20/2016	7.2E-05 (J)		0.00013 (J)		<0.0002			
11/17/2016	8.4E-05 (J)		<0.0002					
11/18/2016					<0.0002		<0.0002	
2/2/2017	0.00011 (J)							
2/3/2017			<0.0002		<0.0002		<0.0002	
3/28/2017	<0.0002		<0.0002		<0.0002			
3/29/2017							<0.0002	
5/3/2017			<0.0002					
5/4/2017	<0.0002				<0.0002		<0.0002	
8/7/2017	<0.0002							
8/8/2017			<0.0002		<0.0002		<0.0002	
1/25/2018			<0.0002		<0.0002		<0.0002	
1/26/2018	<0.0002							

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21	GWC-22	GWC-22	GWC-23	GWC-23	GWC-24	GWC-24
6/20/2018	<0.0002		<0.0002		<0.0002			
6/27/2018							<0.0002	
1/24/2019		<0.0002		<0.0002				
1/25/2019						<0.0002		
1/31/2019								<0.0002
6/25/2019		<0.0002		<0.0002				
6/26/2019						<0.0002		<0.0002

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27	GWC-30	GWC-30
9/15/2011							<0.0002	
9/17/2011	<0.0002		<0.0002		<0.0002			
10/28/2011							<0.0002	
10/29/2011			<0.0002		<0.0002			
10/31/2011	<0.0002							
12/13/2011							<0.0002	
12/14/2011	<0.0002		<0.0002		<0.0002			
1/25/2012					<0.0002			
2/7/2012	<0.0002		<0.0002					
2/8/2012							<0.0002	
7/17/2012	<0.0002		<0.0002		<0.0002			
7/18/2012							<0.0002	
1/24/2013			<0.0002		<0.0002		<0.0002	
7/24/2013	<0.0002		<0.0002		<0.0002		<0.0002	
1/23/2014	<0.0002		<0.0002		<0.0002		<0.0002	
7/1/2014							<0.0002	
7/8/2014	<0.0002		<0.0002		<0.0002			
1/20/2015							<0.0002	
1/21/2015	<0.0002		<0.0002		<0.0002			
7/30/2015	<0.0002				<0.0002		<0.0002	
7/31/2015			<0.0002					
1/19/2016							<0.0002	
1/21/2016	<0.0002							
1/22/2016					<0.0002			
1/25/2016			<0.0002					
3/23/2016					<0.0002		<0.0002	
3/24/2016			<0.0002					
3/28/2016	<0.0002							
5/20/2016							<0.0002	
5/24/2016					<0.0002			
5/25/2016	<0.0002		<0.0002					
7/21/2016							8.6E-05 (J)	
7/26/2016			0.00012 (J)		0.00012 (J)			
7/27/2016	9.8E-05 (J)							
9/19/2016	<0.0002		<0.0002		<0.0002			
9/20/2016							<0.0002	
11/11/2016					<0.0002			
11/14/2016			<0.0002				<0.0002	
11/15/2016	<0.0002							
1/19/2017			<0.0002					
1/20/2017					<0.0002			
1/24/2017	<0.0002						<0.0002	
3/16/2017			0.00014 (J)		0.00015 (J)			
3/17/2017							0.00017 (J)	
3/23/2017	<0.0002							
4/28/2017					<0.0002			
5/1/2017			<0.0002				<0.0002	
5/2/2017	<0.0002							
8/3/2017	<0.0002		<0.0002		<0.0002			
8/4/2017							<0.0002	
1/19/2018					<0.0002			
1/22/2018			<0.0002					

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27	GWC-30	GWC-30
1/24/2018							<0.0002	
1/25/2018	<0.0002							
6/21/2018							<0.0002	
6/27/2018	<0.0002		<0.0002		<0.0002			
1/24/2019		<0.0002		<0.0002		<0.0002		
1/30/2019								<0.0002
6/25/2019		<0.0002		<0.0002				
6/26/2019						<0.0002		
6/27/2019								<0.0002

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33	GWC-34	GWC-34
9/15/2011			<0.0002					
9/16/2011					<0.0002		<0.0002	
9/17/2011	<0.0002							
10/30/2011					<0.0002			
10/31/2011	<0.0002		<0.0002				<0.0002	
12/12/2011							<0.0002	
12/13/2011			<0.0002		<0.0002			
2/1/2012			<0.0002		<0.0002		<0.0002	
2/7/2012	<0.0002							
7/16/2012							<0.0002	
7/17/2012			<0.0002		<0.0002			
1/22/2013							<0.0002	
1/23/2013	<0.0002		<0.0002		<0.0002			
7/17/2013					<0.0002		<0.0002	
7/24/2013			<0.0002					
1/23/2014	<0.0002		<0.0002		<0.0002		<0.0002	
6/25/2014							<0.0002	
7/1/2014	<0.0002		<0.0002					
1/14/2015							<0.0002	
1/20/2015			<0.0002		<0.0002			
1/21/2015	<0.0002							
7/29/2015					<0.0002		<0.0002	
7/30/2015			<0.0002					
1/21/2016							<0.0002	
1/25/2016	<0.0002		<0.0002		<0.0002			
3/23/2016			<0.0002		<0.0002			
3/24/2016							<0.0002	
3/30/2016	<0.0002							
5/23/2016							<0.0002	
5/24/2016			<0.0002		<0.0002			
5/25/2016	<0.0002							
7/21/2016							8.4E-05 (J)	
7/22/2016			<0.0002		<0.0002			
7/27/2016	0.0001 (J)							
9/15/2016							<0.0002	
9/16/2016			<0.0002		<0.0002			
11/15/2016			<0.0002				<0.0002	
11/17/2016					<0.0002			
1/25/2017	<0.0002				0.00012 (J)		0.00012 (J)	
1/26/2017			7.3E-05 (J)					
3/22/2017							7.9E-05 (J)	
3/23/2017	<0.0002				<0.0002			
3/24/2017			<0.0002					
5/1/2017					<0.0002		<0.0002	
5/2/2017	<0.0002		<0.0002					
7/19/2017	<0.0002							
8/3/2017			<0.0002				<0.0002	
8/4/2017	<0.0002				<0.0002			
1/23/2018	<0.0002		<0.0002		<0.0002		<0.0002	
6/20/2018							<0.0002	
6/26/2018			<0.0002		<0.0002			
6/27/2018	<0.0002							

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33	GWC-34	GWC-34
1/28/2019								<0.0002
1/30/2019				<0.0002		<0.0002		
1/31/2019		<0.0002						
6/26/2019		<0.0002				<0.0002		<0.0002
6/27/2019				<0.0002				

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35	GWC-5	GWC-5	GWC-6	GWC-6	GWC-7	GWC-7
8/31/2011			<0.0002		<0.0002			
9/7/2011							<0.0002	
9/16/2011	<0.0002							
10/27/2011			<0.0002					
10/30/2011					<0.0002		<0.0002	
10/31/2011	<0.0002							
12/5/2011			<0.0002		<0.0002		<0.0002	
12/12/2011	<0.0002							
1/25/2012			<0.0002		<0.0002		<0.0002	
2/1/2012	<0.0002							
7/16/2012	<0.0002							
7/18/2012			<0.0002				<0.0002	
7/24/2012					<0.0002			
1/7/2013							<0.0002	
1/8/2013					<0.0002			
1/9/2013			<0.0002					
1/22/2013	<0.0002							
7/2/2013	<0.0002							
7/9/2013					<0.0002		<0.0002	
7/17/2013			<0.0002					
1/14/2014							<0.0002	
1/15/2014			<0.0002		<0.0002			
1/21/2014	<0.0002							
6/24/2014							<0.0002	
6/25/2014	<0.0002		<0.0002		<0.0002			
1/13/2015			<0.0002					
1/14/2015	<0.0002							
1/20/2015					<0.0002		<0.0002	
7/24/2015			<0.0002		<0.0002			
7/27/2015							<0.0002	
7/28/2015	<0.0002							
1/20/2016			<0.0002		<0.0002			
1/21/2016	<0.0002							
1/26/2016							<0.0002	
3/24/2016	<0.0002							
3/28/2016			<0.0002		<0.0002			
3/29/2016							<0.0002	
5/23/2016	<0.0002		<0.0002					
5/24/2016					<0.0002		<0.0002	
7/21/2016	<0.0002		7.6E-05 (J)		9.1E-05 (J)			
7/22/2016							<0.0002	
9/15/2016	<0.0002		<0.0002		<0.0002		<0.0002	
11/15/2016	9.6E-05 (J)		<0.0002					
11/16/2016					<0.0002		<0.0002	
1/26/2017	<0.0002		<0.0002		<0.0002		8.8E-05 (J)	
3/22/2017	<0.0002		<0.0002		7.3E-05 (J)		<0.0002	
5/2/2017	<0.0002		<0.0002		<0.0002		<0.0002	
8/3/2017	<0.0002		<0.0002		<0.0002			
8/4/2017							<0.0002	
1/23/2018	<0.0002		<0.0002		<0.0002		<0.0002	
6/19/2018	<0.0002							
6/25/2018			<0.0002		<0.0002		<0.0002	

Prediction Limit

Constituent: Mercury Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35	GWC-5	GWC-5	GWC-6	GWC-6	GWC-7	GWC-7
1/21/2019		<0.0002						<0.0002
1/30/2019				<0.0002		<0.0002		
6/25/2019								<0.0002
6/26/2019		<0.0002		<0.0002		<0.0002		

Prediction Limit

Constituent: Mercury, Nickel Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8	GWC-9	GWC-9	GWA-1	GWA-1	GWA-2	GWA-2
9/7/2011	<0.0002		<0.0002					
9/16/2011					<0.0025			
9/17/2011							<0.0025	
10/27/2011					<0.0025		<0.0025	
10/30/2011	<0.0002		<0.0002					
12/4/2011			<0.0002					
12/5/2011	<0.0002							
12/13/2011					<0.0025			
12/14/2011							<0.0025	
1/19/2012	<0.0002		<0.0002					
1/31/2012					<0.0025			
2/7/2012							0.0028	
7/18/2012	<0.0002		<0.0002		<0.0025			
7/23/2012							<0.0025	
1/7/2013	<0.0002							
1/8/2013			<0.0002					
1/23/2013							<0.0025	
1/24/2013					<0.0025			
7/9/2013	<0.0002		<0.0002					
7/17/2013					<0.0025			
7/24/2013							<0.0025	
1/14/2014	0.000153 (J)		<0.0002					
1/21/2014					<0.0025			
1/22/2014							0.0013 (J)	
6/24/2014	<0.0002		<0.0002					
6/25/2014					<0.0025			
7/1/2014							0.0014 (J)	
1/14/2015					<0.0025			
1/20/2015	<0.0002		<0.0002					
1/22/2015							0.0017 (J)	
7/21/2015					<0.0025			
7/22/2015							0.0013 (J)	
7/27/2015	<0.0002		<0.0002					
1/20/2016							<0.0025	
1/21/2016					<0.0025			
1/26/2016	<0.0002		<0.0002					
3/29/2016	<0.0002		<0.0002					
5/24/2016	<0.0002		<0.0002					
7/25/2016			0.00012 (J)					
7/26/2016	0.00012 (J)							
9/19/2016	<0.0002		<0.0002					
11/16/2016	<0.0002		<0.0002					
1/19/2017					<0.0025		<0.0025	
1/26/2017	<0.0002							
1/31/2017			8.6E-05 (J)					
3/23/2017	7.2E-05 (J)		<0.0002					
5/2/2017			<0.0002					
5/3/2017	<0.0002							
8/2/2017							<0.0025	
8/3/2017					<0.0025			
8/7/2017	<0.0002		<0.0002					
1/19/2018					<0.0025		<0.0025	

Prediction Limit

Constituent: Mercury, Nickel Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8	GWC-9	GWC-9	GWA-1	GWA-1	GWA-2	GWA-2
1/24/2018	<0.0002		<0.0002					
6/19/2018					<0.0025		<0.0025	
6/21/2018	<0.0002		<0.0002					
1/17/2019						0.00094 (J)		0.0011
1/22/2019		<0.0002		<0.0002				
6/24/2019						0.00095 (J)		0.0013
6/25/2019		<0.0002		<0.0002				

Prediction Limit

Constituent: Nickel Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28	GWA-29	GWA-29	GWA-3	GWA-3	GWA-4	GWA-4
8/31/2011					<0.0025		<0.0025	
9/16/2011	<0.0025							
9/17/2011			0.0053					
10/27/2011							<0.0025	
10/28/2011	<0.0025		0.0042					
12/12/2011	<0.0025		<0.0025					
12/14/2011							<0.0025	
1/25/2012	<0.0025							
1/31/2012			0.0043					
2/1/2012							<0.0025	
7/16/2012	<0.0025							
7/17/2012			<0.0025					
7/23/2012							<0.0025	
1/23/2013							<0.0025	
1/24/2013	<0.0025		0.0052					
7/17/2013							<0.0025	
7/23/2013	<0.0025							
7/24/2013			0.0052					
1/15/2014							<0.0025	
1/22/2014	0.00092 (J)		0.0031					
6/25/2014					0.0044		<0.0025	
7/1/2014	<0.0025							
7/8/2014			0.0036 (D)					
1/21/2015	<0.0025		0.0026					
7/21/2015	<0.0025				0.0056		<0.0025	
7/22/2015			0.0028					
1/19/2016			0.0021 (JD)					
1/20/2016							0.002 (J)	
1/22/2016	<0.0025							
1/17/2017	<0.0025		0.0022 (J)					
8/1/2017	<0.0025		0.0018 (J)		<0.0025			
8/2/2017							<0.0025	
1/19/2018	<0.0025		<0.0025					
1/22/2018							<0.0025	
6/19/2018	<0.0025		0.0024 (J)				0.0022 (J)	
6/20/2018					<0.0025			
1/18/2019				0.0022		0.00087 (J)		
1/21/2019		0.0004 (J)						
6/24/2019								0.0022
6/25/2019		0.00088 (J)		0.0028		0.0021		

Prediction Limit

Constituent: Nickel Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10	GWC-11	GWC-11	GWC-13	GWC-13	GWC-19	GWC-19
8/30/2011							<0.0025	
9/13/2011			<0.001		<0.0025			
10/26/2011							<0.0025	
10/28/2011			<0.001		<0.0025			
12/3/2011							<0.0025	
12/4/2011			<0.001		<0.0025			
1/24/2012					<0.0025			
2/8/2012							<0.0025	
2/9/2012			<0.001					
7/11/2012					<0.0025		<0.0025	
7/18/2012			<0.001					
1/8/2013			<0.001		<0.0025		<0.0025	
7/9/2013			<0.001					
7/10/2013					<0.0025			
7/16/2013							<0.0025	
1/15/2014			<0.001					
1/21/2014					<0.0025		<0.0025	
6/24/2014							<0.0025	
6/25/2014			<0.001					
7/1/2014					<0.0025			
1/13/2015							<0.0025	
1/21/2015			<0.001		<0.0025			
7/23/2015							<0.0025	
7/28/2015			<0.001		<0.0025			
1/25/2016	0.0017 (J)							
1/26/2016			<0.001					
1/27/2016					<0.0025		<0.0025	
1/31/2017			<0.001		<0.0025			
2/1/2017	0.0043							
2/2/2017							<0.0025	
8/4/2017					<0.0025			
8/7/2017			<0.001				<0.0025	
8/8/2017	0.0022 (J)							
1/24/2018			<0.001					
1/25/2018	0.0046				<0.0025		<0.0025	
6/20/2018			<0.001		<0.0025			
6/21/2018	0.0046						<0.0025	
1/22/2019						0.00033 (J)		
1/24/2019				0.00035 (J)				
1/28/2019								0.0009 (J)
1/31/2019		0.0018						
6/25/2019						0.00068 (J)		
6/26/2019		0.0014		<0.001				0.00051 (J)

Prediction Limit

Constituent: Nickel Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25
8/31/2011	<0.0025							
9/16/2011			<0.001					
9/17/2011							<0.0025	
10/27/2011	<0.0025							
10/29/2011			<0.001					
10/31/2011							<0.0025	
12/4/2011	<0.0025							
12/13/2011			<0.001					
12/14/2011							<0.0025	
1/31/2012			<0.001					
2/7/2012							<0.0025	
2/8/2012	<0.0025							
7/17/2012	<0.0025						0.014	
7/18/2012			<0.001					
1/9/2013	<0.0025							
1/22/2013			<0.001					
7/16/2013	<0.0025							
7/23/2013			<0.001					
7/24/2013							0.019	
1/21/2014	<0.0025							
1/22/2014			<0.001					
1/23/2014							0.0036	
6/24/2014	<0.0025							
7/1/2014			<0.001					
7/8/2014					0.0022 (J)		0.011	
1/13/2015	<0.0025							
1/21/2015							0.0033	
1/22/2015			<0.001					
7/23/2015	<0.0025							
7/29/2015			<0.001					
7/30/2015							0.0054	
7/31/2015					0.0018 (J)			
1/20/2016					0.0027			
1/21/2016			<0.001				0.0054	
1/26/2016	<0.0025							
1/24/2017							0.012	
2/2/2017	<0.0025							
2/3/2017			<0.001		0.0025			
8/3/2017							<0.0025	
8/7/2017	<0.0025							
8/8/2017			<0.001		0.0036			
1/25/2018			<0.001		0.0022 (J)		0.0071	
1/26/2018	<0.0025							
6/20/2018	<0.0025		<0.001					
6/27/2018					<0.0025		0.0072	
1/24/2019		0.00051 (J)						0.0027
1/25/2019				0.00044 (J)				
1/31/2019						0.0018		
6/25/2019		0.00085 (J)						0.0021
6/26/2019				<0.001		0.0016		

Prediction Limit

Constituent: Nickel Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26	GWC-27	GWC-27	GWC-31	GWC-31	GWC-32	GWC-32
9/15/2011							<0.0025	
9/17/2011	<0.0025		<0.001		0.0041			
10/29/2011	<0.0025		<0.001					
10/31/2011					0.003		<0.0025	
12/13/2011							<0.0025	
12/14/2011	<0.0025		<0.001					
1/25/2012			<0.001					
2/1/2012							<0.0025	
2/7/2012	<0.0025				0.0029			
7/17/2012	<0.0025		<0.001				<0.0025	
1/23/2013					0.0027		<0.0025	
1/24/2013	<0.0025		<0.001					
7/24/2013	<0.0025		<0.001				<0.0025	
1/23/2014	<0.0025		<0.001		0.0016 (J)		0.00094 (J)	
7/1/2014					0.0021 (J)		<0.0025	
7/8/2014	<0.0025		<0.001					
1/20/2015							<0.0025	
1/21/2015	<0.0025		<0.001		<0.0025			
7/30/2015			<0.001				<0.0025	
7/31/2015	<0.0025							
1/22/2016			<0.001					
1/25/2016	<0.0025				<0.0025		<0.0025	
1/19/2017	<0.0025							
1/20/2017			<0.001					
1/25/2017					<0.0025			
1/26/2017							<0.0025	
8/3/2017	<0.0025		<0.001				0.0018 (J)	
8/4/2017					0.0029			
1/19/2018			<0.001					
1/22/2018	<0.0025							
1/23/2018					0.012		<0.0025	
6/26/2018							<0.0025	
6/27/2018	<0.0025		<0.001		0.0065			
1/24/2019		0.00087 (J)		0.00035 (J)				
1/30/2019								0.00064 (J)
1/31/2019						0.0011		
6/25/2019		0.0031						
6/26/2019				<0.001		0.00034 (J)		
6/27/2019								0.00059 (J)

Prediction Limit

Constituent: Nickel Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33	GWC-34	GWC-34	GWC-35	GWC-35	GWC-5	GWC-5
8/31/2011							<0.0025	
9/16/2011	<0.0025		<0.0025		0.0037			
10/27/2011							<0.0025	
10/30/2011	<0.0025							
10/31/2011			<0.0025		0.0047			
12/5/2011							<0.0025	
12/12/2011			<0.0025		0.0048			
12/13/2011	<0.0025							
1/25/2012							<0.0025	
2/1/2012	<0.0025		<0.0025		0.0027			
7/16/2012			<0.0025		0.0035			
7/17/2012	<0.0025							
7/18/2012							0.0043	
1/9/2013							0.0082	
1/22/2013			<0.0025		0.003			
1/23/2013	<0.0025							
7/2/2013					0.0027			
7/17/2013	<0.0025		<0.0025				0.0076	
1/15/2014							0.0083	
1/21/2014					0.002 (J)			
1/23/2014	0.00078 (J)		0.00062 (J)					
6/25/2014			<0.0025		0.0026		0.0079	
1/13/2015							0.0072	
1/14/2015			<0.0025		0.0021 (J)			
1/20/2015	<0.0025							
7/24/2015							0.0083	
7/28/2015					0.0016 (J)			
7/29/2015	<0.0025		<0.0025					
1/20/2016							0.007	
1/21/2016			<0.0025		0.0017 (J)			
1/25/2016	<0.0025							
1/25/2017	<0.0025		<0.0025					
1/26/2017					<0.0025		0.0066	
8/3/2017			0.012		<0.0025		0.0088	
8/4/2017	<0.0025							
1/23/2018	<0.0025		<0.0025		<0.0025		0.0074	
6/19/2018					<0.0025			
6/20/2018			<0.0025					
6/25/2018							0.0053	
6/26/2018	<0.0025							
1/21/2019						0.0011		
1/28/2019				0.00047 (J)				
1/30/2019		0.00054 (J)						0.0032
6/26/2019		0.00068 (J)		0.00047 (J)		0.0013		0.0051

Prediction Limit

Constituent: Nickel Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9
8/31/2011	0.0072							
9/7/2011			<0.0025		<0.0025			
10/30/2011	0.0055		<0.0025		<0.0025		<0.0025	
12/4/2011							0.0072	
12/5/2011	0.0026		<0.0025		<0.0025			
1/19/2012					<0.0025		0.0053	
1/25/2012	<0.0025		<0.0025					
7/18/2012			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	
7/9/2013	0.0038		0.018		0.0027		0.015	
1/14/2014			0.017		0.0039		0.015	
1/15/2014	0.0049							
6/24/2014			0.016		0.0014 (J)		0.0091	
6/25/2014	0.0037							
1/20/2015	0.0035		0.015		0.0026		0.014	
7/24/2015	0.0048							
7/27/2015			0.013		<0.0025		0.011	
1/20/2016	0.0044							
1/26/2016			0.012		0.002 (J)		0.0096	
1/26/2017	0.005		0.011		0.0034			
1/31/2017							0.055	
8/3/2017	0.0051							
8/4/2017			0.011					
8/7/2017							0.0093	
1/23/2018	0.0054		0.0071					
1/24/2018					0.0023 (J)		0.01	
6/21/2018					0.0031		0.0083	
6/25/2018	0.0056		0.011					
1/21/2019				0.0077				
1/22/2019						0.0025		0.008
1/30/2019		0.0057						
6/25/2019				0.01		0.0053		0.01
6/26/2019		0.0052						

Prediction Limit

Constituent: Selenium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-28	GWA-28	GWA-29	GWA-29	GWA-4	GWA-4
8/31/2011							<0.005	
9/16/2011	<0.005		<0.005					
9/17/2011					<0.005			
10/27/2011	<0.005						<0.005	
10/28/2011			<0.005		<0.005			
12/12/2011			<0.005		<0.005			
12/13/2011	<0.005							
12/14/2011							<0.005	
1/25/2012			<0.005					
1/31/2012	<0.005				<0.005			
2/1/2012							<0.005	
7/16/2012			<0.005					
7/17/2012					<0.005			
7/18/2012	<0.005							
7/23/2012							<0.005	
1/23/2013							<0.005	
1/24/2013	<0.005		<0.005		<0.005			
7/17/2013	<0.005						<0.005	
7/23/2013			<0.005					
7/24/2013					<0.005			
1/15/2014							<0.005	
1/21/2014	<0.005							
1/22/2014			<0.005		<0.005			
6/25/2014	<0.005						<0.005	
7/1/2014			<0.005					
7/8/2014					<0.005 (D)			
1/14/2015	<0.005						<0.005	
1/21/2015			<0.005		<0.005			
7/21/2015	<0.005		<0.005				<0.005	
7/22/2015					<0.005			
1/19/2016					<0.005 (D)			
1/20/2016							<0.005	
1/21/2016	<0.005							
1/22/2016			<0.005					
3/22/2016			<0.005		<0.005			
3/23/2016	<0.005						<0.005	
5/19/2016					<0.005		<0.005	
5/20/2016	<0.005							
5/23/2016			<0.005					
7/21/2016	<0.005				0.00045 (J)		<0.005	
7/25/2016			0.0004 (J)					
9/14/2016							<0.005	
9/15/2016	<0.005		<0.005					
11/9/2016			<0.005					
11/10/2016							<0.005	
11/11/2016	<0.005							
1/17/2017			<0.005		<0.005		<0.005	
1/19/2017	<0.005							
3/16/2017	<0.005		<0.005				<0.005	
4/27/2017			<0.005		<0.005		<0.005	
4/28/2017	<0.005							
7/18/2017					<0.005			

Prediction Limit

Constituent: Selenium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-28	GWA-28	GWA-29	GWA-29	GWA-4	GWA-4
8/1/2017			<0.005		<0.005 (*)			
8/2/2017							<0.005	
8/3/2017	<0.005							
1/19/2018	<0.005		0.00073 (J)		0.00027 (J)			
1/22/2018							<0.005	
6/19/2018	0.00054 (J)		<0.005		0.00051 (J)		0.00086 (J)	
1/17/2019		<0.005						<0.005
1/18/2019						<0.005		
1/21/2019				<0.005				
6/24/2019		<0.005						<0.005
6/25/2019				<0.005		<0.005		

Prediction Limit

Constituent: Selenium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11	GWC-12	GWC-12	GWC-13	GWC-13	GWC-14	GWC-14
9/13/2011	<0.005		<0.005		<0.005		<0.005	
10/27/2011							<0.005	
10/28/2011	<0.005		<0.005		<0.005			
12/3/2011							<0.005	
12/4/2011	<0.005		<0.005		<0.005			
1/24/2012			<0.005		<0.005		<0.005	
2/9/2012	<0.005							
7/11/2012			<0.005		<0.005		<0.005	
7/18/2012	<0.005							
1/8/2013	<0.005		<0.005		<0.005		<0.005	
7/9/2013	<0.005							
7/10/2013			<0.005		<0.005		<0.005	
1/15/2014	<0.005							
1/21/2014			<0.005		<0.005		<0.005	
6/25/2014	<0.005							
7/1/2014			<0.005		<0.005		<0.005	
1/14/2015							<0.005	
1/21/2015	<0.005		<0.005		<0.005			
7/22/2015							<0.005	
7/28/2015	<0.005		<0.005		<0.005			
1/26/2016	<0.005		<0.005					
1/27/2016					<0.005		0.0071	
3/29/2016	<0.005		<0.005		<0.005			
3/30/2016							0.00273 (J)	
4/20/2016							<0.005	
5/25/2016	<0.005		<0.005		<0.005		<0.005	
7/22/2016			<0.005					
7/25/2016	0.00041 (J)							
7/26/2016					<0.005		<0.005	
9/15/2016			<0.005		<0.005		<0.005	
9/19/2016	0.00084 (J)							
11/16/2016	<0.005		<0.005					
11/17/2016					<0.005		0.00047 (J)	
1/31/2017	0.00033 (J)		<0.005		<0.005			
2/1/2017							<0.005	
3/23/2017	<0.005		<0.005		0.0021		<0.005	
5/2/2017	<0.005							
5/3/2017			<0.005		<0.005		<0.005	
8/4/2017					<0.005			
8/7/2017	<0.005		0.00032 (J)				0.00088 (J)	
1/24/2018	<0.005		<0.005					
1/25/2018					<0.005		0.00025 (J)	
6/20/2018	0.00026 (J)				<0.005		0.0017	
6/26/2018			<0.005					
1/22/2019						<0.005		<0.005
1/24/2019		<0.005						
1/25/2019				<0.005				
6/25/2019						<0.005		<0.005
6/26/2019		<0.005		<0.005				

Prediction Limit

Constituent: Selenium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15	GWC-16	GWC-16	GWC-18	GWC-18	GWC-21	GWC-21
8/30/2011			<0.005		<0.005			
8/31/2011							<0.005	
9/16/2011	<0.005							
10/26/2011			<0.005		<0.005			
10/27/2011	<0.005						<0.005	
12/3/2011	<0.005		<0.005		<0.005			
12/4/2011							<0.005	
1/25/2012			<0.005					
2/8/2012							<0.005	
2/9/2012	<0.005				<0.005			
7/11/2012	<0.005		<0.005		<0.005			
7/17/2012							<0.005	
1/8/2013	<0.005		<0.005		<0.005			
1/9/2013							<0.005	
7/2/2013	<0.005		<0.005					
7/16/2013					<0.005		<0.005	
1/14/2014			<0.005		<0.005			
1/21/2014	<0.005						<0.005	
6/24/2014	<0.005				<0.005		<0.005	
6/25/2014			<0.005					
1/13/2015			<0.005		<0.005		<0.005	
1/14/2015	<0.005							
7/22/2015	<0.005		<0.005					
7/23/2015					<0.005		<0.005	
1/26/2016							<0.005	
1/27/2016	<0.005		<0.005		<0.005			
3/30/2016	<0.005		<0.005		<0.005		<0.005	
5/25/2016	<0.005		<0.005					
5/26/2016					<0.005		<0.005	
7/25/2016					0.00073 (J)			
7/26/2016	<0.005						<0.005	
7/27/2016			0.00029 (J)					
9/16/2016			<0.005					
9/19/2016					<0.005			
9/20/2016	<0.005						<0.005	
11/17/2016	<0.005		<0.005		<0.005		<0.005	
2/1/2017	<0.005		<0.005		<0.005			
2/2/2017							<0.005	
3/23/2017	<0.005							
3/24/2017			<0.005		<0.005			
3/28/2017							<0.005	
5/3/2017	<0.005		<0.005		<0.005			
5/4/2017							<0.005	
8/4/2017	<0.005							
8/7/2017			<0.005		<0.005		<0.005	
1/25/2018	<0.005		<0.005		<0.005			
1/26/2018							<0.005	
6/20/2018	0.00027 (J)		<0.005				0.00046 (J)	
6/21/2018					<0.005			
1/22/2019		<0.005						
1/24/2019								<0.005
1/25/2019				<0.005				

Prediction Limit

Constituent: Selenium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15	GWC-16	GWC-16	GWC-18	GWC-18	GWC-21	GWC-21
1/28/2019						<0.005		
6/25/2019		<0.005		<0.005				<0.005
6/27/2019						<0.005		

Prediction Limit

Constituent: Selenium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27
9/15/2011	<0.005							
9/17/2011			<0.005		<0.005		<0.005	
10/29/2011	<0.005				<0.005		<0.005	
10/31/2011			<0.005					
12/13/2011	<0.005							
12/14/2011			<0.005		<0.005		<0.005	
1/25/2012	<0.005						<0.005	
2/7/2012			<0.005		<0.005			
7/17/2012			<0.005		<0.005		<0.005	
7/18/2012	<0.005							
1/22/2013	<0.005							
1/24/2013					<0.005		<0.005	
7/16/2013	<0.005							
7/24/2013			<0.005		<0.005		<0.005	
1/21/2014	<0.005							
1/23/2014			<0.005		<0.005		<0.005	
6/25/2014	<0.005							
7/8/2014			<0.005		<0.005		<0.005	
1/14/2015	<0.005							
1/21/2015			<0.005		<0.005		<0.005	
7/23/2015	<0.005							
7/30/2015			<0.005				<0.005	
7/31/2015					<0.005			
1/21/2016			<0.005					
1/22/2016							<0.005	
1/25/2016					<0.005			
1/26/2016	<0.005							
3/23/2016							<0.005	
3/24/2016					<0.005			
3/28/2016			<0.005					
3/31/2016	<0.005							
5/24/2016							<0.005	
5/25/2016			<0.005		<0.005			
5/26/2016	<0.005							
7/26/2016	<0.005				<0.005		<0.005	
7/27/2016			0.00033 (J)					
9/19/2016			<0.005		<0.005		<0.005	
9/20/2016	<0.005							
11/11/2016							<0.005	
11/14/2016					<0.005			
11/15/2016			<0.005					
11/17/2016	<0.005							
1/19/2017					<0.005			
1/20/2017							0.00045 (J)	
1/24/2017			<0.005					
2/3/2017	<0.005							
3/16/2017					<0.005		<0.005	
3/23/2017			<0.005					
3/28/2017	<0.005							
4/28/2017							<0.005	
5/1/2017					0.0018			
5/2/2017			<0.005					

Prediction Limit

Constituent: Selenium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27
5/3/2017	<0.005							
8/3/2017			<0.005		<0.005		<0.005	
8/8/2017	<0.005							
1/19/2018							<0.005	
1/22/2018					0.0003 (J)			
1/25/2018	<0.005		<0.005					
6/20/2018	0.0003 (J)							
6/27/2018			<0.005		<0.005		<0.005	
1/24/2019		<0.005		<0.005		<0.005		<0.005
6/25/2019		<0.005		<0.005		<0.005		
6/26/2019								<0.005

Prediction Limit

Constituent: Selenium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33
9/15/2011	<0.005				<0.005			
9/16/2011							<0.005	
9/17/2011			<0.005					
10/28/2011	<0.005							
10/30/2011							<0.005	
10/31/2011			<0.005		<0.005			
12/13/2011	<0.005				<0.005		<0.005	
2/1/2012					<0.005		<0.005	
2/7/2012			<0.005					
2/8/2012	<0.005							
7/17/2012					<0.005		<0.005	
7/18/2012	<0.005							
1/23/2013			<0.005		<0.005		<0.005	
1/24/2013	<0.005							
7/17/2013							<0.005	
7/24/2013	<0.005				<0.005			
1/23/2014	<0.005		<0.005		<0.005		<0.005	
7/1/2014	<0.005		<0.005		<0.005			
1/20/2015	<0.005				<0.005		<0.005	
1/21/2015			<0.005					
7/29/2015							<0.005	
7/30/2015	<0.005				<0.005			
1/19/2016	<0.005							
1/25/2016			<0.005		<0.005		<0.005	
3/23/2016	<0.005				<0.005		<0.005	
3/30/2016			<0.005					
5/20/2016	<0.005							
5/24/2016					<0.005		<0.005	
5/25/2016			<0.005					
7/21/2016	0.0003 (J)							
7/22/2016					0.00025 (J)		0.00074 (J)	
7/27/2016			0.00095 (J)					
9/16/2016					<0.005		<0.005	
9/20/2016	<0.005							
11/14/2016	<0.005							
11/15/2016					<0.005			
11/17/2016							<0.005	
1/24/2017	<0.005							
1/25/2017			0.00035 (J)				<0.005	
1/26/2017					<0.005			
3/17/2017	<0.005							
3/23/2017			<0.005				<0.005	
3/24/2017					<0.005			
5/1/2017	<0.005						0.00084 (J)	
5/2/2017			<0.005		<0.005			
7/19/2017			0.00068 (J)					
8/3/2017					<0.005			
8/4/2017	<0.005 (*)		<0.005 (*)				<0.005 (*)	
1/23/2018			0.001 (J)		<0.005		0.001 (J)	
1/24/2018	0.00067 (J)							
6/21/2018	<0.005							
6/26/2018					<0.005		0.00085 (J)	

Prediction Limit

Constituent: Selenium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33
6/27/2018			0.00044 (J)					
1/30/2019		<0.005				<0.005		<0.005
1/31/2019				<0.005				
6/26/2019				<0.005				<0.005
6/27/2019		<0.005				<0.005		

Prediction Limit

Constituent: Selenium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35	GWC-5	GWC-5	GWC-6	GWC-6	GWC-8	GWC-8
8/31/2011			<0.005		<0.005			
9/7/2011							<0.005	
9/16/2011	<0.005							
10/27/2011			<0.005					
10/30/2011					<0.005		<0.005	
10/31/2011	<0.005							
12/5/2011			<0.005		<0.005		<0.005	
12/12/2011	<0.005							
1/19/2012							<0.005	
1/25/2012			<0.005		<0.005			
2/1/2012	<0.005							
7/16/2012	<0.005							
7/18/2012			<0.005				<0.005	
7/24/2012					<0.005			
1/7/2013							<0.005	
1/8/2013					<0.005			
1/9/2013			<0.005					
1/22/2013	<0.005							
7/2/2013	<0.005							
7/9/2013					<0.005		<0.005	
7/17/2013			<0.005					
1/14/2014							<0.005	
1/15/2014			<0.005		<0.005			
1/21/2014	<0.005							
6/24/2014							<0.005	
6/25/2014	<0.005		<0.005		<0.005			
1/13/2015			<0.005					
1/14/2015	<0.005							
1/20/2015					<0.005		<0.005	
7/24/2015			<0.005		<0.005			
7/27/2015							<0.005	
7/28/2015	<0.005							
1/20/2016			<0.005		<0.005			
1/21/2016	<0.005							
1/26/2016							<0.005	
3/24/2016	<0.005							
3/28/2016			<0.005		<0.005			
3/29/2016							<0.005	
5/23/2016	<0.005		<0.005					
5/24/2016					<0.005		<0.005	
7/21/2016	<0.005		0.00025 (J)		<0.005			
7/26/2016							<0.005	
9/15/2016	<0.005		<0.005		<0.005			
9/19/2016							<0.005	
11/15/2016	<0.005		<0.005					
11/16/2016					0.00031 (J)		<0.005	
1/26/2017	<0.005		<0.005		<0.005		<0.005	
3/22/2017	<0.005		<0.005		<0.005			
3/23/2017							<0.005	
5/2/2017	<0.005		<0.005		<0.005			
5/3/2017							0.0018	
8/3/2017	<0.005		<0.005		<0.005			

Prediction Limit

Constituent: Selenium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35	GWC-5	GWC-5	GWC-6	GWC-6	GWC-8	GWC-8
8/7/2017							0.00068 (J)	
1/23/2018	<0.005		<0.005		<0.005			
1/24/2018							0.00025 (J)	
6/19/2018	0.00025 (J)							
6/21/2018							0.00029 (J)	
6/25/2018			0.0008 (J)		0.0008 (J)			
1/21/2019		<0.005						
1/22/2019								<0.005
1/30/2019				<0.005		<0.005		
6/25/2019								<0.005
6/26/2019		<0.005		<0.005		<0.005		

Prediction Limit

Constituent: Selenium, Silver Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9	GWA-29	GWA-29	GWC-10	GWC-10	GWC-11	GWC-11
9/13/2011							<0.001	
9/17/2011			<0.0025					
10/28/2011			<0.0025				<0.001	
10/30/2011	<0.005							
12/4/2011	<0.005						<0.001	
12/12/2011			<0.0025					
1/19/2012	<0.005							
1/31/2012			<0.0025					
2/9/2012							<0.001	
7/17/2012			<0.0025					
7/18/2012	<0.005						<0.001	
1/8/2013	<0.005						<0.001	
1/24/2013			<0.0025					
7/9/2013	<0.005						<0.001	
7/24/2013			0.003					
1/14/2014	<0.005							
1/15/2014							<0.001	
1/22/2014			0.0011 (J)					
6/24/2014	<0.005							
6/25/2014							<0.001	
7/8/2014			0.0013 (JD)					
1/20/2015	<0.005							
1/21/2015			0.00071 (J)				<0.001	
7/22/2015			0.00059 (J)					
7/27/2015	<0.005							
7/28/2015							<0.001	
1/19/2016			0.0011 (JD)					
1/25/2016					<0.001			
1/26/2016	<0.005						<0.001	
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							
1/17/2017			0.0015					
1/31/2017	0.00053 (J)						<0.001	
2/1/2017					<0.001			
3/23/2017	<0.005							
5/2/2017	<0.005							
8/1/2017			0.00098 (J)					
8/7/2017	0.0009 (J)						<0.001	
8/8/2017					<0.001			
1/19/2018			0.00081 (J)					
1/24/2018	0.00052 (J)						<0.001	
1/25/2018					<0.001			
6/19/2018			0.0009 (J)					
6/20/2018							<0.001	
6/21/2018	0.00063 (J)				<0.001			
1/18/2019				0.00061 (J)				
1/22/2019		<0.005						
1/24/2019								0.00033 (J)
1/31/2019						0.0055		

Prediction Limit

Constituent: Selenium, Silver Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9	GWA-29	GWA-29	GWC-10	GWC-10	GWC-11	GWC-11
6/25/2019		<0.005		0.0017				
6/26/2019						<0.001		<0.001

Prediction Limit

Constituent: Silver Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12	GWC-14	GWC-14	GWC-16	GWC-16	GWC-17	GWC-17
8/30/2011					<0.001		<0.001	
9/13/2011	<0.001		<0.001					
10/26/2011					<0.001			
10/27/2011			<0.001				<0.001	
10/28/2011	<0.001							
12/3/2011			<0.001		<0.001		<0.001	
12/4/2011	<0.001							
1/24/2012	<0.001		<0.001					
1/25/2012					<0.001		<0.001	
7/11/2012	<0.001		<0.001		<0.001		<0.001	
1/8/2013	<0.001		<0.001		<0.001		<0.001	
7/2/2013					<0.001			
7/10/2013	<0.001		<0.001					
7/16/2013							<0.001	
1/14/2014					<0.001		<0.001	
1/21/2014	<0.001		<0.001					
6/25/2014					<0.001		<0.001	
7/1/2014	<0.001		<0.001					
1/13/2015					<0.001			
1/14/2015			<0.001				<0.001	
1/21/2015	<0.001							
7/22/2015			<0.001		<0.001			
7/28/2015	<0.001						<0.001	
1/26/2016	<0.001							
1/27/2016			0.00078 (J)		<0.001		<0.001	
1/31/2017	<0.001							
2/1/2017			<0.001		<0.001		<0.001	
8/7/2017	<0.001		<0.001		<0.001		<0.001	
1/24/2018	<0.001							
1/25/2018			<0.001		<0.001		<0.001	
6/20/2018			<0.001		<0.001			
6/26/2018	<0.001						<0.001	
1/22/2019				<0.001				
1/24/2019								0.00047 (J)
1/25/2019		0.00017 (J)				0.00035 (J)		
6/25/2019				<0.001		<0.001		<0.001
6/26/2019		<0.001						

Prediction Limit

Constituent: Silver Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21	GWC-22	GWC-22	GWC-23	GWC-23	GWC-24	GWC-24
8/31/2011	<0.001							
9/15/2011			<0.001					
9/16/2011					<0.001			
10/27/2011	<0.001							
10/29/2011			<0.001		<0.001			
12/4/2011	<0.001							
12/13/2011			<0.001		<0.001			
1/25/2012			<0.001					
1/31/2012					<0.001			
2/8/2012	<0.001							
7/17/2012	<0.001							
7/18/2012			<0.001		<0.001			
1/9/2013	<0.001							
1/22/2013			<0.001		<0.001			
7/16/2013	<0.001		<0.001					
7/23/2013					<0.001			
1/21/2014	<0.001		<0.001					
1/22/2014					<0.001			
6/24/2014	<0.001							
6/25/2014			<0.001					
7/1/2014					<0.001			
7/8/2014							<0.001	
1/13/2015	<0.001							
1/14/2015			<0.001					
1/22/2015					<0.001			
7/23/2015	<0.001		<0.001					
7/29/2015					<0.001			
7/31/2015							<0.001	
1/20/2016							<0.001	
1/21/2016					<0.001			
1/26/2016	<0.001		<0.001					
2/2/2017	<0.001							
2/3/2017			<0.001		<0.001		<0.001	
8/7/2017	<0.001							
8/8/2017			<0.001		<0.001		<0.001	
1/25/2018			<0.001		<0.001		<0.001	
1/26/2018	<0.001							
6/20/2018	<0.001		<0.001		<0.001			
6/27/2018							<0.001	
1/24/2019		0.00063 (J)		0.00038 (J)				
1/25/2019						0.00039 (J)		
1/31/2019								0.00069 (J)
6/25/2019		<0.001		<0.001				
6/26/2019						<0.001		<0.001

Prediction Limit

Constituent: Silver Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27	GWC-31	GWC-31
9/17/2011	<0.001		<0.001				<0.001	
10/29/2011			<0.001		<0.001			
10/31/2011	<0.001						<0.001	
12/14/2011	<0.001		<0.001		<0.001			
1/25/2012					<0.001			
2/7/2012	<0.001		<0.001				<0.001	
7/17/2012	<0.001		<0.001		<0.001			
1/23/2013							<0.001	
1/24/2013			<0.001		<0.001			
7/24/2013	<0.001		<0.001		<0.001			
1/23/2014	<0.001		<0.001		<0.001		0.00034 (J)	
7/8/2014	<0.001		<0.001		<0.001			
1/21/2015	<0.001		<0.001		<0.001		<0.001	
7/30/2015	<0.001				<0.001			
7/31/2015			<0.001					
1/21/2016	<0.001							
1/22/2016					<0.001			
1/25/2016			<0.001				<0.001	
1/19/2017			<0.001					
1/20/2017					<0.001			
1/24/2017	<0.001							
1/25/2017							0.00087	
8/3/2017	<0.001		<0.001		<0.001			
8/4/2017							0.0005 (J)	
1/19/2018					<0.001			
1/22/2018			<0.001					
1/23/2018							0.00023 (J)	
1/25/2018	<0.001							
6/27/2018	<0.001		<0.001		<0.001		0.00016 (J)	
1/24/2019		0.00034 (J)		0.00019 (J)		0.00061 (J)		
1/31/2019								0.00036 (J)
6/25/2019		<0.001		<0.001				
6/26/2019						<0.001		<0.001

Prediction Limit

Constituent: Silver Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32	GWC-33	GWC-33	GWC-5	GWC-5	GWC-6	GWC-6
8/31/2011					<0.001		<0.001	
9/15/2011	<0.001							
9/16/2011			<0.001					
10/27/2011					<0.001			
10/30/2011			<0.001				<0.001	
10/31/2011	<0.001							
12/5/2011					<0.001		<0.001	
12/12/2011			<0.001					
12/13/2011	<0.001							
1/25/2012					<0.001		<0.001	
2/1/2012	<0.001		<0.001					
7/17/2012	<0.001		<0.001					
7/18/2012					<0.001			
7/24/2012							<0.001	
1/8/2013							<0.001	
1/9/2013					<0.001			
1/23/2013	<0.001		<0.001					
7/9/2013							<0.001	
7/17/2013			<0.001		<0.001			
7/24/2013	<0.001							
1/15/2014					<0.001		<0.001	
1/23/2014	<0.001		<0.001					
6/25/2014					<0.001		<0.001	
7/1/2014	<0.001							
1/13/2015					<0.001			
1/20/2015	<0.001		<0.001				<0.001	
7/24/2015					<0.001		<0.001	
7/29/2015			<0.001					
7/30/2015	<0.001							
1/20/2016					<0.001		0.00051 (J)	
1/25/2016	<0.001		<0.001					
1/25/2017			<0.001					
1/26/2017	<0.001				<0.001		<0.001	
8/3/2017	<0.001				<0.001		<0.001	
8/4/2017			<0.001					
1/23/2018	<0.001		<0.001		<0.001		<0.001	
6/25/2018					<0.001		<0.001	
6/26/2018	<0.001		<0.001					
1/30/2019		0.00019 (J)		0.00035 (J)		0.00016 (J)		0.0032
6/26/2019				<0.001		<0.001		<0.001
6/27/2019		<0.001						

Prediction Limit

Constituent: Thallium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-4	GWA-4	GWC-14	GWC-14	GWC-19	GWC-19
8/30/2011							<0.001	
8/31/2011			<0.001					
9/13/2011					<0.001			
9/16/2011	<0.0005							
10/26/2011							<0.001	
10/27/2011	<0.0005		<0.001		<0.001			
12/3/2011					<0.001		<0.001	
12/13/2011	<0.0005							
12/14/2011			<0.001					
1/24/2012					<0.001			
1/31/2012	<0.0005							
2/1/2012			<0.001					
2/8/2012							<0.001	
7/11/2012					<0.001		<0.001	
7/18/2012	<0.0005							
7/23/2012			<0.001					
1/8/2013					<0.001		<0.001	
1/23/2013			<0.001					
1/24/2013	<0.0005							
7/10/2013					<0.001			
7/16/2013							<0.001	
7/17/2013	<0.0005		<0.001					
1/15/2014			<0.001					
1/21/2014	<0.0005				0.0002 (J)		0.0001 (J)	
6/24/2014							<0.001	
6/25/2014	<0.0005		<0.001					
7/1/2014					0.0001			
1/13/2015							<0.001	
1/14/2015	<0.0005		0.0001 (J)		0.0002 (J)			
7/21/2015	<0.0005		0.0001 (J)					
7/22/2015					0.003 (J)			
7/23/2015							<0.001	
1/20/2016			<0.001					
1/21/2016	<0.0005							
1/27/2016					0.000616 (J)		<0.001	
3/23/2016	<0.0005		<0.001					
3/30/2016					0.000411 (J)		<0.001	
5/19/2016			<0.001					
5/20/2016	<0.0005							
5/25/2016					0.000445 (J)			
5/26/2016							<0.001	
7/21/2016	<0.0005		<0.001					
7/25/2016							<0.001	
7/26/2016					0.0013			
9/14/2016			<0.001					
9/15/2016	<0.0005				0.00033 (J)			
9/19/2016							<0.001	
11/10/2016			<0.001					
11/11/2016	<0.0005							
11/17/2016					0.00041 (J)		<0.001	
1/17/2017			<0.001					
1/19/2017	<0.0005							

Prediction Limit

Constituent: Thallium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-4	GWA-4	GWC-14	GWC-14	GWC-19	GWC-19
2/1/2017					0.00041 (J)			
2/2/2017							<0.001	
3/16/2017	<0.0005		<0.001					
3/23/2017					0.0004 (J)			
3/24/2017							<0.001	
4/27/2017			<0.001					
4/28/2017	<0.0005							
5/3/2017					0.00058		<0.001	
8/2/2017			<0.001					
8/3/2017	<0.0005							
8/7/2017					0.00046 (J)		<0.001	
1/19/2018	<0.0005							
1/22/2018			<0.001					
1/25/2018					0.00049 (J)		<0.001	
6/19/2018	<0.0005		<0.001					
6/20/2018					0.00038 (J)			
6/21/2018							<0.001	
1/17/2019		6.6E-05 (J)		<0.001				
1/22/2019						0.00047 (J)		
1/28/2019								<0.001
6/24/2019		0.0002 (J)		<0.001				
6/25/2019						0.00046 (J)		
6/26/2019								<0.001

Prediction Limit

Constituent: Thallium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27	GWC-33	GWC-33	GWC-35	GWC-35	GWC-6	GWC-6
8/31/2011							<0.001	
9/16/2011			<0.0005		<0.0005			
9/17/2011	<0.0005							
10/29/2011	<0.0005							
10/30/2011			<0.0005				<0.001	
10/31/2011					<0.0005			
12/5/2011							<0.001	
12/12/2011			<0.0005		<0.0005			
12/14/2011	<0.0005							
1/25/2012	<0.0005						<0.001	
2/1/2012			<0.0005		<0.0005			
7/16/2012					<0.0005			
7/17/2012	<0.0005		<0.0005					
7/23/2012							<0.001	
7/24/2012							<0.001	
1/8/2013							<0.001	
1/22/2013					<0.0005			
1/23/2013			<0.0005					
1/24/2013	<0.0005							
7/2/2013					<0.0005			
7/9/2013							<0.001	
7/17/2013			<0.0005					
7/24/2013	<0.0005							
1/15/2014							<0.001	
1/21/2014					<0.0005			
1/23/2014	0.0001 (J)		0.0002 (J)					
6/25/2014					0.0001		<0.001	
7/8/2014	0.0001							
1/14/2015					<0.0005			
7/24/2015							7E-05 (J)	
1/20/2016							6.7E-05 (J)	
1/21/2016					<0.0005			
1/22/2016	0.000193 (J)							
1/25/2016			0.000227 (J)					
3/23/2016	<0.0005		<0.0005					
3/24/2016					<0.0005			
3/28/2016							<0.001	
5/23/2016					<0.0005			
5/24/2016	<0.0005		0.000242 (J)				<0.001	
7/21/2016					<0.0005		<0.001	
7/22/2016			0.00022 (J)					
7/26/2016	0.00017 (J)							
9/15/2016					<0.0005		<0.001	
9/16/2016			0.00021 (J)					
9/19/2016	0.00016 (J)							
11/11/2016	<0.0005							
11/15/2016					<0.0005			
11/16/2016							0.00012 (J)	
11/17/2016			0.00017 (J)					
1/20/2017	0.00016 (J)							
1/25/2017			<0.0005					
1/26/2017					<0.0005		<0.001	

Prediction Limit

Constituent: Thallium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27	GWC-33	GWC-33	GWC-35	GWC-35	GWC-6	GWC-6
3/16/2017	0.00017 (J)							
3/22/2017					<0.0005		<0.001	
3/23/2017			0.00017 (J)					
4/28/2017	0.00018 (J)							
5/1/2017			0.00018 (J)					
5/2/2017					<0.0005		<0.001	
8/3/2017	0.00016 (J)				<0.0005		<0.001	
8/4/2017			0.00016 (J)					
1/19/2018	0.00016 (J)							
1/23/2018			0.00012 (J)		<0.0005		<0.001	
6/19/2018					<0.0005			
6/25/2018							0.00011 (J)	
6/26/2018			0.00013 (J)					
6/27/2018	0.00015 (J)							
1/21/2019						<0.0005		
1/24/2019		0.0002 (J)						
1/30/2019				<0.0005				<0.001
6/26/2019		0.00019 (J)		0.0002 (J)		0.00019 (J)		<0.001

Prediction Limit

Constituent: Thallium, Vanadium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9	GWA-1	GWA-1
9/7/2011	<0.001		<0.001		<0.001			
9/16/2011							<0.0025	
10/27/2011							<0.0025	
10/30/2011	<0.001		<0.001		<0.001			
12/4/2011					<0.001			
12/5/2011	<0.001		<0.001					
12/13/2011							<0.0025	
1/19/2012			<0.001		<0.001			
1/25/2012	<0.001							
1/31/2012							<0.0025	
7/18/2012	<0.001		<0.001		<0.001		<0.0025	
1/7/2013	<0.001		<0.001					
1/8/2013					<0.001			
1/24/2013							<0.0025	
7/9/2013	<0.001		<0.001		<0.001			
7/17/2013							<0.0025	
1/14/2014	<0.001		<0.001		<0.001			
1/21/2014							<0.0025	
6/24/2014	<0.001		<0.001		<0.001			
6/25/2014							<0.0025	
1/14/2015							<0.0025	
7/21/2015							<0.0025	
1/21/2016							<0.0025	
1/26/2016	8.5E-05 (J)		<0.001		7.3E-05 (J)			
3/29/2016	<0.001		<0.001		<0.001			
5/24/2016	<0.001		<0.001		<0.001			
7/22/2016	<0.001							
7/25/2016					<0.001			
7/26/2016			<0.001					
9/15/2016	<0.001							
9/19/2016			<0.001		0.00026 (J)			
11/16/2016	<0.001		9E-05 (J)		0.00015 (J)			
1/19/2017							<0.0025	
1/26/2017	<0.001		0.00012 (J)					
1/31/2017					<0.001			
3/22/2017	<0.001							
3/23/2017			<0.001		<0.001			
5/2/2017	<0.001				<0.001			
5/3/2017			0.00016 (J)					
8/3/2017							<0.0025	
8/4/2017	<0.001							
8/7/2017			0.0001 (J)		<0.001			
1/19/2018							<0.0025	
1/23/2018	<0.001							
1/24/2018			<0.001		<0.001			
6/19/2018							<0.0025	
6/21/2018			<0.001		<0.001			
6/25/2018	<0.001							
1/17/2019								0.0012
1/21/2019		<0.001						
1/22/2019				<0.001		<0.001		
6/24/2019								0.0028

Prediction Limit

Constituent: Thallium, Vanadium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9	GWA-1	GWA-1
6/25/2019		<0.001		<0.001		<0.001		

Prediction Limit

Constituent: Vanadium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29	GWA-3	GWA-3
8/31/2011							<0.0025	
9/16/2011			<0.0025					
9/17/2011	<0.0025				<0.0025			
10/27/2011	<0.0025							
10/28/2011			<0.0025		<0.0025			
12/12/2011			<0.0025		<0.0025			
12/14/2011	<0.0025							
1/25/2012			<0.0025					
1/31/2012					<0.0025			
2/7/2012	<0.0025							
7/16/2012			<0.0025					
7/17/2012					<0.0025			
7/23/2012	<0.0025							
1/23/2013	<0.0025							
1/24/2013			<0.0025		<0.0025			
7/23/2013			<0.0025					
7/24/2013	<0.0025				<0.0025			
1/22/2014	<0.0025		0.00072 (J)		<0.0025			
6/25/2014							<0.0025	
7/1/2014	0.0012 (J)		<0.0025					
7/8/2014					<0.0025 (D)			
1/21/2015			<0.0025		<0.0025			
1/22/2015	0.0013 (J)							
7/21/2015			<0.0025				<0.0025	
7/22/2015	<0.0025				<0.0025			
1/19/2016					<0.0025 (D)			
1/20/2016	<0.0025							
1/22/2016			<0.0025					
1/17/2017			<0.0025		<0.0025			
1/19/2017	<0.0025							
8/1/2017			<0.0025		<0.0025 (*)		<0.0025	
8/2/2017	<0.0025							
1/19/2018	<0.0025		<0.0025		<0.0025			
6/19/2018	0.0024 (J)		<0.0025		0.0014 (J)			
6/20/2018							<0.0025	
1/17/2019		0.0016						
1/18/2019						0.0015		0.0019
1/21/2019				0.0012				
6/24/2019		0.0018						
6/25/2019				0.0025		0.0023		0.0028

Prediction Limit

Constituent: Vanadium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4	GWC-10	GWC-10	GWC-11	GWC-11	GWC-13	GWC-13
8/31/2011	<0.0025							
9/13/2011					0.0064		<0.0025	
10/27/2011	<0.0025							
10/28/2011					<0.0025		<0.0025	
12/4/2011					<0.0025		<0.0025	
12/14/2011	<0.0025							
1/24/2012							<0.0025	
2/1/2012	<0.0025							
2/9/2012					<0.0025			
7/11/2012							<0.0025	
7/18/2012					0.0062			
7/23/2012	<0.0025							
1/8/2013					<0.0025		<0.0025	
1/23/2013	<0.0025							
7/9/2013					0.0053			
7/10/2013							<0.0025	
7/17/2013	<0.0025							
1/15/2014	0.0016 (J)				0.0064			
1/21/2014							<0.0025	
6/25/2014	0.00084 (J)				0.0064			
7/1/2014							<0.0025	
1/14/2015	0.0014 (J)							
1/21/2015					0.0059		<0.0025	
7/21/2015	<0.0025							
7/28/2015					0.0054		<0.0025	
1/20/2016	<0.0025							
1/25/2016			<0.0025					
1/26/2016					0.0019 (J)			
1/27/2016							<0.0025	
1/17/2017	<0.0025							
1/31/2017					0.0029		0.0015 (J)	
2/1/2017			0.0032					
8/2/2017	<0.0025							
8/4/2017							<0.0025	
8/7/2017					0.0024 (J)			
8/8/2017			<0.0025					
1/22/2018	0.002 (J)							
1/24/2018					<0.0025			
1/25/2018			0.003				<0.0025	
6/19/2018	0.0019 (J)							
6/20/2018					0.003		<0.0025	
6/21/2018			0.0018 (J)					
1/17/2019		0.0016						
1/22/2019								0.0015
1/24/2019						0.0032		
1/31/2019				0.0015				
6/24/2019		0.002						
6/25/2019								0.0021
6/26/2019				0.0014		0.0035		

Prediction Limit

Constituent: Vanadium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14	GWC-15	GWC-15	GWC-16	GWC-16	GWC-17	GWC-17
8/30/2011					0.0028		<0.0025	
9/13/2011	<0.001							
9/16/2011			<0.0025					
10/26/2011					<0.005			
10/27/2011	<0.001		<0.0025				<0.0025	
12/3/2011	<0.001		<0.0025		<0.005		<0.0025	
1/24/2012	<0.001							
1/25/2012					<0.005		<0.0025	
2/8/2012			<0.0025					
7/11/2012	<0.001		<0.0025		<0.005		<0.0025	
1/8/2013	<0.001		<0.0025		<0.005		<0.0025	
7/2/2013			<0.0025		<0.005			
7/10/2013	<0.001							
7/16/2013							<0.0025	
1/14/2014					0.0036 (J)		0.0019 (J)	
1/21/2014	<0.001		<0.0025					
6/24/2014			<0.0025					
6/25/2014					0.0033 (J)		0.001 (J)	
7/1/2014	<0.001							
1/13/2015					0.0037 (J)			
1/14/2015	<0.001		<0.0025				0.0014 (J)	
7/22/2015	<0.001		<0.0025		0.0031 (J)			
7/28/2015							0.0027 (J)	
1/27/2016	<0.001		<0.0025		0.0035 (J)		0.0018 (J)	
2/1/2017	0.002 (J)		0.0016 (J)		0.0067		0.0044	
8/4/2017			<0.0025					
8/7/2017	<0.001				0.005		<0.0025	
1/25/2018	<0.001		0.003		0.0058		0.0042	
6/20/2018	0.0016 (J)		<0.0025		0.0039			
6/26/2018							0.0023 (J)	
1/22/2019		<0.001		0.0012				
1/24/2019								0.0027
1/25/2019						0.0052		
6/25/2019		0.0014		0.0019		0.0056		0.005

Prediction Limit

Constituent: Vanadium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21
8/30/2011	<0.0025		<0.001					
8/31/2011					0.0035		<0.001	
10/26/2011	<0.0025		<0.001					
10/27/2011					<0.005		<0.001	
12/3/2011	<0.0025		<0.001					
12/4/2011					<0.005		<0.001	
2/8/2012	<0.0025		<0.001		<0.005		<0.001	
7/11/2012	<0.0025		<0.001		<0.005			
7/17/2012							<0.001	
1/8/2013	<0.0025		<0.001		<0.005			
1/9/2013							<0.001	
7/16/2013	<0.0025		<0.001		<0.005		<0.001	
1/14/2014	0.0022 (J)							
1/21/2014			<0.001		<0.005		<0.001	
6/24/2014	<0.0025		<0.001		0.00089 (J)		<0.001	
1/13/2015	0.00084 (J)		<0.001		0.0013 (J)		<0.001	
7/23/2015	<0.0025		0.0016 (J)		0.0027 (J)		<0.001	
1/26/2016							<0.001	
1/27/2016	0.00096 (J)		<0.001		0.0012 (J)			
2/2/2017			0.0015 (J)		0.0031		0.0028	
8/7/2017	<0.0025		0.0016 (J)		0.0041		0.0014 (J)	
1/25/2018	<0.0025		0.0021 (J)					
1/26/2018					0.0044		<0.001	
6/20/2018							<0.001	
6/21/2018	<0.0025		<0.001		0.0017 (J)			
1/24/2019								<0.001
1/28/2019				<0.001		0.0019		
6/25/2019						0.0038		0.0021
6/26/2019				0.0023				
6/27/2019		0.0031						

Prediction Limit

Constituent: Vanadium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22	GWC-23	GWC-23	GWC-24	GWC-24	GWC-25	GWC-25
9/15/2011	0.005							
9/16/2011			<0.0025					
10/29/2011	<0.01		<0.0025					
10/31/2011							<0.0025	
12/13/2011	<0.01		<0.0025					
12/14/2011							<0.0025	
1/25/2012	<0.01							
1/31/2012			<0.0025					
2/7/2012							<0.0025	
7/17/2012							<0.0025	
7/18/2012	0.0074		<0.0025					
1/22/2013	0.0071		<0.0025					
7/16/2013	0.0075							
7/23/2013			<0.0025					
7/24/2013							<0.0025	
1/21/2014	0.0061							
1/22/2014			<0.0025					
1/23/2014							0.00082 (J)	
6/25/2014	0.007							
7/1/2014			<0.0025					
7/8/2014					<0.0025		<0.0025	
1/14/2015	0.0063							
1/21/2015							0.0013 (J)	
1/22/2015			<0.0025					
7/23/2015	0.0066							
7/29/2015			0.0011 (J)					
7/30/2015							0.0018 (J)	
7/31/2015					<0.0025			
1/20/2016					<0.0025			
1/21/2016			<0.0025				0.0017 (J)	
1/26/2016	0.0058							
2/3/2017	0.0082		0.0016 (J)		0.0015 (J)			
8/3/2017							<0.0025	
8/8/2017	0.0058		<0.0025		<0.0025			
1/25/2018	0.0063		0.0014 (J)		<0.0025		<0.0025	
6/20/2018	0.006		<0.0025					
6/27/2018					<0.0025		<0.0025	
1/24/2019		0.0065						0.0018
1/25/2019				0.0012				
1/31/2019						0.0015		
6/25/2019		0.0092						0.0019
6/26/2019				0.0019		0.0014		

Prediction Limit

Constituent: Vanadium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32
9/15/2011			<0.0025				<0.0025	
9/17/2011	<0.0025				<0.0025			
10/28/2011			<0.0025					
10/29/2011	<0.0025							
10/31/2011					<0.0025		<0.0025	
12/13/2011			<0.0025				<0.0025	
12/14/2011	<0.0025							
2/1/2012							<0.0025	
2/7/2012	<0.0025				<0.0025			
2/8/2012			<0.0025					
7/17/2012	<0.0025						<0.0025	
7/18/2012			<0.0025					
1/23/2013					<0.0025		<0.0025	
1/24/2013	<0.0025		<0.0025					
7/24/2013	<0.0025		<0.0025				<0.0025	
1/23/2014	<0.0025		<0.0025		0.00068 (J)		<0.0025	
7/1/2014			<0.0025		<0.0025		<0.0025	
7/8/2014	<0.0025							
1/20/2015			<0.0025				<0.0025	
1/21/2015	<0.0025				<0.0025			
7/30/2015			<0.0025				<0.0025	
7/31/2015	<0.0025							
1/19/2016			0.001 (J)					
1/25/2016	<0.0025				<0.0025		<0.0025	
1/19/2017	<0.0025							
1/24/2017			0.0059					
1/25/2017					0.0043			
1/26/2017							0.0016 (J)	
8/3/2017	<0.0025						<0.0025	
8/4/2017			0.0018 (J)		<0.0025			
1/22/2018	<0.0025							
1/23/2018					0.0023 (J)		0.003	
1/24/2018			<0.0025					
6/21/2018			0.0031					
6/26/2018							<0.0025	
6/27/2018	<0.0025				<0.0025			
1/24/2019		0.0013						
1/30/2019				0.0021				0.0012
1/31/2019						0.0014		
6/25/2019		0.0024						
6/26/2019						0.0015		
6/27/2019				0.0029				0.0021

Prediction Limit

Constituent: Vanadium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33	GWC-34	GWC-34	GWC-35	GWC-35	GWC-5	GWC-5
8/31/2011							<0.005	
9/16/2011	<0.0025		<0.001		<0.0025			
10/27/2011							<0.005	
10/30/2011	<0.0025							
10/31/2011			<0.001		<0.0025			
12/5/2011							<0.005	
12/12/2011	<0.0025		<0.001		<0.0025			
1/25/2012							<0.005	
2/1/2012	<0.0025		<0.001		<0.0025			
7/16/2012			<0.001		<0.0025			
7/17/2012	<0.0025							
7/18/2012							<0.005	
1/9/2013							<0.005	
1/22/2013			<0.001		<0.0025			
1/23/2013	<0.0025							
7/2/2013					<0.0025			
7/17/2013	<0.0025		<0.001				<0.005	
1/15/2014							0.0042 (J)	
1/21/2014					<0.0025			
1/23/2014	<0.0025		<0.001					
6/25/2014			<0.001		<0.0025		0.0022 (J)	
1/13/2015							0.004 (J)	
1/14/2015			<0.001		<0.0025			
1/20/2015	<0.0025							
7/24/2015							0.0021 (J)	
7/28/2015					<0.0025			
7/29/2015	<0.0025		<0.001					
1/20/2016							0.0035 (J)	
1/21/2016			<0.001		<0.0025			
1/25/2016	<0.0025							
1/25/2017	0.0052		0.0055					
1/26/2017					0.0026		0.0064	
8/3/2017			<0.001		<0.0025		0.0031	
8/4/2017	<0.0025							
1/23/2018	0.003		<0.001		0.0022 (J)		0.0062	
6/19/2018					0.0019 (J)			
6/20/2018			<0.001					
6/25/2018							0.0021 (J)	
6/26/2018	<0.0025							
1/21/2019						0.0011		
1/28/2019				<0.001				
1/30/2019		0.0014						0.0031
6/26/2019		0.0017		0.002		0.0015		0.0033

Prediction Limit

Constituent: Vanadium Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9
8/31/2011	<0.0025							
9/7/2011			<0.0025		<0.0025		<0.0025	
10/30/2011	<0.0025		<0.0025		<0.0025		<0.0025	
12/4/2011							<0.0025	
12/5/2011	<0.0025		<0.0025		<0.0025			
1/19/2012					<0.0025		<0.0025	
1/25/2012	<0.0025		<0.0025					
7/18/2012			<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	
7/9/2013	<0.0025		<0.0025		<0.0025		<0.0025	
1/14/2014			<0.0025		<0.0025		0.0022 (J)	
1/15/2014	0.002 (J)							
6/24/2014			0.00087 (J)		0.0014 (J)		0.0022 (J)	
6/25/2014	<0.0025							
1/20/2015	<0.0025		0.00094 (J)		0.0013 (J)		0.0025 (J)	
7/24/2015	<0.0025							
7/27/2015			<0.0025		<0.0025		0.0024 (J)	
1/20/2016	<0.0025							
1/26/2016			0.0011 (J)		<0.0025		<0.0025	
1/26/2017	0.0064		0.0057		0.0038			
1/31/2017							<0.0025	
8/3/2017	<0.0025							
8/4/2017			<0.0025					
8/7/2017					<0.0025		<0.0025	
1/23/2018	0.0038		0.0042					
1/24/2018					<0.0025		<0.0025	
6/21/2018					0.0015 (J)		<0.0025	
6/25/2018	<0.0025		0.0035					
1/21/2019				0.003				
1/22/2019						0.0015		0.0014
1/30/2019		0.0015						
6/25/2019				0.0035		0.0026		0.002
6/26/2019		0.0016						

Prediction Limit

Constituent: Zinc Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1	GWA-2	GWA-2	GWA-28	GWA-28	GWA-29	GWA-29
9/16/2011	0.0071				0.003			
9/17/2011			0.0061				0.026	
10/27/2011	0.0062		0.0059					
10/28/2011					0.0073		0.019	
12/12/2011					0.0053		0.02	
12/13/2011	0.0065							
12/14/2011			0.0077					
1/25/2012					0.0046			
1/31/2012	0.0047						0.036	
2/7/2012			0.0053					
7/16/2012					0.0034			
7/17/2012							0.015	
7/18/2012	0.0044							
7/23/2012			0.0043					
1/23/2013			0.0054					
1/24/2013	0.0058				0.0049		0.048	
7/17/2013	0.0028							
7/23/2013					0.0026			
7/24/2013			0.004				0.048	
1/21/2014	0.0037							
1/22/2014			0.0056		0.0052		0.044	
6/25/2014	0.0026							
7/1/2014			0.004		0.0042			
7/8/2014							0.04 (D)	
1/14/2015	0.003							
1/21/2015					0.0038		0.037	
1/22/2015			0.0051					
7/21/2015	0.0033				0.0042			
7/22/2015			0.0033				0.031	
1/19/2016							0.035 (D)	
1/20/2016			0.0029					
1/21/2016	0.0043							
1/22/2016					0.0041			
1/17/2017					<0.02		0.024	
1/19/2017	0.0077 (J)		<0.02					
8/1/2017					<0.02		0.028	
8/2/2017			<0.02					
8/3/2017	<0.02							
1/19/2018	<0.02		<0.02		<0.02		0.024	
6/19/2018	0.0068 (J)		<0.02		<0.02		0.028	
1/17/2019		0.0037 (J)		0.0024 (J)				
1/18/2019								0.022
1/21/2019						0.0065		
6/24/2019		0.0048 (J)		0.0046 (J)				
6/25/2019						0.011		0.041

Prediction Limit

Constituent: Zinc Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3	GWA-4	GWA-4	GWC-10	GWC-10	GWC-11	GWC-11
8/31/2011	0.0037		<0.005					
9/13/2011							<0.005	
10/27/2011			<0.005					
10/28/2011							<0.005	
12/4/2011							0.0025	
12/14/2011			<0.005					
2/1/2012			<0.005					
2/9/2012							<0.005	
7/23/2012			0.0037					
1/8/2013							<0.005	
1/23/2013			<0.005					
7/9/2013							<0.005	
7/17/2013			<0.005					
1/15/2014			0.00085 (J)				0.00052 (J)	
6/25/2014	0.015		0.0014 (J)				0.00089 (J)	
1/14/2015			0.0082					
1/21/2015							<0.005	
7/21/2015	0.042		0.0015 (J)					
7/28/2015							0.0021 (J)	
1/20/2016			0.0093					
1/25/2016					0.0027			
1/26/2016							<0.005	
1/31/2017							<0.005	
2/1/2017					<0.02			
8/1/2017	<0.02							
8/2/2017			<0.005					
8/7/2017							<0.005	
8/8/2017					<0.02			
1/22/2018			<0.005					
1/24/2018							<0.005	
1/25/2018					<0.02			
6/19/2018			<0.005					
6/20/2018	<0.02						<0.005	
6/21/2018					<0.02			
1/17/2019				<0.005				
1/18/2019		0.0088						
1/24/2019								<0.005
1/31/2019						0.0039 (J)		
6/24/2019				0.0036 (J)				
6/25/2019		0.014						
6/26/2019						0.0044 (J)		<0.005

Prediction Limit

Constituent: Zinc Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12	GWC-13	GWC-13	GWC-14	GWC-14	GWC-15	GWC-15
9/13/2011	<0.005		<0.005		0.0039			
9/16/2011							<0.005	
10/27/2011					0.0046		<0.005	
10/28/2011	<0.005		<0.005					
12/3/2011					0.0028		<0.005	
12/4/2011	0.0027		0.0028					
1/24/2012	<0.005		<0.005		0.0033			
2/9/2012							<0.005	
7/11/2012	<0.005		<0.005		<0.0025		<0.005	
1/8/2013	<0.005		<0.005		<0.0025		<0.005	
7/2/2013							<0.005	
7/10/2013	<0.005		<0.005		<0.0025			
1/21/2014	0.0019 (J)		0.0026		0.0036		0.0017 (J)	
6/24/2014							<0.005	
7/1/2014			0.0014 (J)		0.0018 (J)			
1/14/2015					0.0035		0.0013 (J)	
1/21/2015	<0.005		0.0018 (J)					
7/22/2015					0.005		<0.005	
7/28/2015	<0.005		<0.005					
1/26/2016	<0.005							
1/27/2016			<0.005		0.0094		<0.005	
1/31/2017	<0.005		<0.005					
2/1/2017					0.0084 (J)		<0.005	
8/4/2017			<0.005				<0.005	
8/7/2017	<0.005				0.012 (J)			
1/24/2018	<0.005							
1/25/2018			<0.005		0.0095 (J)		<0.005	
6/20/2018			<0.005		0.012 (J)		<0.005	
6/26/2018	<0.005							
1/22/2019				<0.005		0.0094		<0.005
1/25/2019		<0.005						
6/25/2019				<0.005		0.014		<0.005
6/26/2019		<0.005						

Prediction Limit

Constituent: Zinc Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16	GWC-17	GWC-17	GWC-18	GWC-18	GWC-19	GWC-19
8/30/2011			0.0035		<0.005		0.0035	
10/26/2011	0.0035		0.0032		0.0025		0.0054	
12/3/2011	0.0033		0.0027		0.0027		0.0046	
1/25/2012	<0.005		<0.005					
2/8/2012							<0.02	
2/9/2012					<0.005			
7/11/2012	<0.005		<0.005		<0.005		<0.02	
1/8/2013	<0.005		<0.005		<0.005		<0.02	
7/2/2013	<0.005							
7/16/2013			<0.005		<0.005		<0.02	
1/14/2014	0.00074 (J)		0.0021 (J)		0.0005 (J)			
1/21/2014							0.0025	
6/24/2014					0.00099 (J)		0.0014 (J)	
6/25/2014	0.00071 (J)		0.0012 (J)					
1/13/2015	0.0015 (J)				0.00063 (J)		0.0019 (J)	
1/14/2015			0.0015 (J)					
7/22/2015	<0.005							
7/23/2015					<0.005		0.0025	
7/28/2015			<0.005					
1/27/2016	<0.005		<0.005		<0.005		<0.02	
2/1/2017	<0.005		<0.005		<0.005			
2/2/2017							<0.02	
8/7/2017	<0.005		<0.005		<0.005		<0.02	
1/25/2018	<0.005		<0.005		<0.005		<0.02	
6/20/2018	<0.005							
6/21/2018					<0.005		<0.02	
6/26/2018			<0.005					
1/24/2019				<0.005				
1/25/2019		<0.005						
1/28/2019						0.0033 (J)		0.0049 (J)
6/25/2019		<0.005		<0.005				
6/26/2019								0.0038 (J)
6/27/2019						<0.005		

Prediction Limit

Constituent: Zinc Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20	GWC-21	GWC-21	GWC-22	GWC-22	GWC-23	GWC-23
8/31/2011	<0.005		0.01					
9/15/2011					0.0058			
9/16/2011							0.0058	
10/27/2011	0.0038		0.0087					
10/29/2011					0.0031		0.0032	
12/4/2011	0.0028		0.0093					
12/13/2011					0.0068		0.0074	
1/25/2012					<0.005			
1/31/2012							0.0031	
2/8/2012	<0.005		0.0086					
7/11/2012	<0.005							
7/17/2012			0.009					
7/18/2012					0.0056		0.0054	
1/8/2013	<0.005							
1/9/2013			0.006					
1/22/2013					<0.005		0.0061	
7/16/2013	<0.005		0.0052		<0.005			
7/23/2013							0.0038	
1/21/2014	0.0018 (J)		0.0066		<0.005			
1/22/2014							0.0035	
6/24/2014	0.0006 (J)		0.0059					
6/25/2014					0.00094 (J)			
7/1/2014							0.0031	
1/13/2015	0.00086 (J)		0.005					
1/14/2015					0.00073 (J)			
1/22/2015							0.0049	
7/23/2015	<0.005		0.0042		<0.005			
7/29/2015							0.0024 (J)	
1/21/2016							<0.005	
1/26/2016			0.0043		<0.005			
1/27/2016	<0.005							
2/2/2017	<0.005		<0.02					
2/3/2017					<0.005		<0.005	
8/7/2017	0.013 (J)		<0.02					
8/8/2017					<0.005		<0.005	
1/25/2018					<0.005		<0.005	
1/26/2018	<0.005		<0.02					
6/20/2018			<0.02		<0.005		<0.005	
6/21/2018	<0.005							
1/24/2019				0.0034 (J)		<0.005		
1/25/2019								<0.005
6/25/2019		<0.005		0.0039 (J)		<0.005		
6/26/2019								<0.005

Prediction Limit

Constituent: Zinc Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24	GWC-25	GWC-25	GWC-26	GWC-26	GWC-27	GWC-27
9/17/2011			0.0028		0.0061		0.0044	
10/29/2011					0.0038		0.0049	
10/31/2011			0.003					
12/14/2011			0.0029		0.0033		0.0057	
1/25/2012							0.0051	
2/7/2012			0.0092		0.0036			
7/17/2012			0.01		0.0028			
1/24/2013					<0.005		0.0041	
7/24/2013			0.033		<0.005		0.0036	
1/23/2014			0.015					
7/8/2014	0.0043		0.011		0.0048		0.0032	
1/21/2015			0.0057		0.0022 (J)		0.0039	
7/30/2015			0.0072				0.0033	
7/31/2015	0.0052				<0.005			
1/20/2016	0.0086							
1/21/2016			0.017					
1/22/2016							0.012	
1/25/2016					0.0035			
1/20/2017							<0.005	
1/24/2017			0.0085 (J)					
2/3/2017	0.0094 (J)							
8/3/2017			<0.02		<0.005		<0.005	
8/8/2017	0.0098 (J)							
1/19/2018							<0.005	
1/22/2018					<0.005			
1/25/2018	<0.02		0.009 (J)					
6/27/2018	<0.02		0.0086 (J)		<0.005		<0.005	
1/24/2019				0.013		<0.005		0.0041 (J)
1/31/2019		0.006						
6/25/2019				0.01		0.0045 (J)		
6/26/2019		0.0062						<0.005

Prediction Limit

Constituent: Zinc Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30	GWC-31	GWC-31	GWC-32	GWC-32	GWC-33	GWC-33
9/15/2011	<0.005				0.11			
9/16/2011							0.0033	
9/17/2011			0.02					
10/28/2011	0.0062							
10/30/2011							0.0071	
10/31/2011			0.028		0.099			
12/13/2011	0.003				0.11		0.0062	
2/1/2012					0.1		0.0033	
2/7/2012			0.0091					
2/8/2012	0.009							
7/17/2012					0.084		0.0083	
7/18/2012	<0.005							
1/23/2013			0.014		0.06		0.0038	
1/24/2013	0.0066							
7/17/2013							0.0059	
7/24/2013	<0.005				0.073			
1/23/2014	0.0028		0.012		0.038		0.008	
7/1/2014	0.0014 (J)		0.015		0.054			
1/20/2015	<0.005				0.033		0.0058	
1/21/2015			0.0081					
7/29/2015							0.0049	
7/30/2015	<0.005				0.029			
1/19/2016	<0.005							
1/25/2016			0.0067		0.037		0.0046	
1/24/2017	<0.005							
1/25/2017			<0.02				<0.02	
1/26/2017					0.07			
8/3/2017					0.059			
8/4/2017	<0.005		0.033				<0.02	
1/23/2018			0.026		0.065		<0.02	
1/24/2018	<0.005							
6/21/2018	<0.005							
6/26/2018					0.047		<0.02	
6/27/2018			0.012 (J)					
1/30/2019		<0.005				0.053		0.0096
1/31/2019				0.008				
6/26/2019				0.011				0.0056
6/27/2019		<0.005				0.082		

Prediction Limit

Constituent: Zinc Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34	GWC-35	GWC-35	GWC-5	GWC-5	GWC-6	GWC-6
8/31/2011					<0.005		0.0037	
9/16/2011	0.0029		0.006					
10/27/2011					0.0025			
10/30/2011							0.0043	
10/31/2011	<0.005		0.0055					
12/5/2011					<0.005		0.0047	
12/12/2011	0.0027		0.006					
1/25/2012					<0.005		<0.005	
2/1/2012	<0.005		0.0046					
7/16/2012	<0.005		0.0038					
7/18/2012					<0.005			
7/24/2012							<0.005	
1/8/2013							<0.005	
1/9/2013					<0.005			
1/22/2013	<0.005		0.0028					
7/2/2013			0.0025					
7/9/2013							<0.005	
7/17/2013	<0.005				0.0043			
1/15/2014					0.0023 (J)		0.0034	
1/21/2014			0.0036					
1/23/2014	0.0034							
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							<0.005	
7/24/2015					0.002 (J)		0.0017 (J)	
7/28/2015			0.0016 (J)					
7/29/2015	<0.005							
1/20/2016					0.0022 (J)		0.0018 (J)	
1/21/2016	<0.005		0.0016 (J)					
1/25/2017	<0.005							
1/26/2017			<0.005		<0.005		<0.005	
8/3/2017	<0.005		<0.005		<0.005		<0.005	
1/23/2018	<0.005		<0.005		<0.005		<0.005	
6/19/2018			<0.005					
6/20/2018	<0.005							
6/25/2018					<0.005		<0.005	
1/21/2019				<0.005				
1/28/2019		0.0031 (J)						
1/30/2019						<0.005		<0.005
6/26/2019		<0.005		<0.005		<0.005		0.0033 (J)

Prediction Limit

Constituent: Zinc Analysis Run 8/9/2019 3:18 PM View: State Intrawell PL

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7	GWC-8	GWC-8	GWC-9	GWC-9
9/7/2011	<0.005		0.0029			
10/30/2011	<0.005		<0.005		0.004	
12/4/2011					0.0086	
12/5/2011	<0.005		0.004			
1/19/2012			0.0029		0.0081	
1/25/2012	<0.005					
7/18/2012	0.0035		0.006		0.0058	
1/7/2013	0.0033		<0.005			
1/8/2013					0.0034	
7/9/2013	0.0035		<0.005		<0.005	
1/14/2014	0.0022 (J)		0.002 (J)		0.003	
6/24/2014			0.0011 (J)		0.0016 (J)	
1/20/2015	0.0018 (J)		0.0018 (J)		0.0021 (J)	
7/27/2015	<0.005		0.0015 (J)		<0.005	
1/26/2016	0.0016 (J)		<0.005		<0.005	
1/26/2017	<0.005		<0.005			
1/31/2017					<0.005	
8/4/2017	<0.005					
8/7/2017			0.0086 (J)		<0.005	
1/23/2018	<0.005					
1/24/2018			<0.005		<0.005	
6/21/2018			<0.005		<0.005	
6/25/2018	<0.005					
1/21/2019		<0.005				
1/22/2019				<0.005		<0.005
6/25/2019		<0.005		0.0043 (J)		0.005

Trend Test Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Barium (mg/L)	**GWA-1 (bg)**	**-0.0003189**	**-106**	**-101**	**Yes**	**25**	**0**	**n/a**	**0.02**	**NP**
Barium (mg/L)	**GWA-4 (bg)**	**0.008194**	**132**	**101**	**Yes**	**25**	**0**	**n/a**	**0.02**	**NP**
Barium (mg/L)	**GWC-21**	**0.002709**	**140**	**101**	**Yes**	**25**	**0**	**n/a**	**0.02**	**NP**
Beryllium (mg/L)	**GWA-28 (bg)**	**-0.00003524**	**-109**	**-101**	**Yes**	**25**	**40**	**n/a**	**0.02**	**NP**
Beryllium (mg/L)	**GWC-32**	**0.00005233**	**103**	**101**	**Yes**	**25**	**28**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	**GWA-1 (bg)**	**-0.04716**	**-46**	**-44**	**Yes**	**14**	**0**	**n/a**	**0.02**	**NP**
Cobalt (mg/L)	**GWC-14**	**0.02337**	**126**	**95**	**Yes**	**24**	**12.5**	**n/a**	**0.02**	**NP**
Copper (mg/L)	**GWA-29 (bg)**	**-0.001097**	**-75**	**-63**	**Yes**	**18**	**16.67**	**n/a**	**0.02**	**NP**
Nickel (mg/L)	**GWA-29 (bg)**	**-0.0002766**	**-71**	**-63**	**Yes**	**18**	**16.67**	**n/a**	**0.02**	**NP**
Nickel (mg/L)	**GWC-14**	**0.001894**	**114**	**68**	**Yes**	**19**	**36.84**	**n/a**	**0.02**	**NP**
pH (S.U.)	**GWA-28 (bg)**	**-0.1167**	**-62**	**-48**	**Yes**	**15**	**0**	**n/a**	**0.02**	**NP**
pH (S.U.)	**GWA-3 (bg)**	**-0.277**	**-21**	**-17**	**Yes**	**7**	**0**	**n/a**	**0.02**	**NP**
Sulfate (mg/L)	**GWC-12**	**1.741**	**63**	**44**	**Yes**	**14**	**0**	**n/a**	**0.02**	**NP**
Sulfate (mg/L)	**GWC-5**	**4.356**	**46**	**44**	**Yes**	**14**	**0**	**n/a**	**0.02**	**NP**
Zinc (mg/L)	**GWC-14**	**0.001159**	**80**	**63**	**Yes**	**18**	**16.67**	**n/a**	**0.02**	**NP**

Trend Test All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Barium (mg/L)	**GWA-1 (bg)**	**-0.0003189**	**-106**	**-101**	**Yes**	**25**	**0**	**n/a**	**0.02**	**NP**
Barium (mg/L)	GWA-2 (bg)	0	-1	-101	No	25	0	n/a	0.02	NP
Barium (mg/L)	GWA-28 (bg)	0	-1	-101	No	25	40	n/a	0.02	NP
Barium (mg/L)	GWA-29 (bg)	-0.00008839	-66	-89	No	23	13.04	n/a	0.02	NP
Barium (mg/L)	GWA-3 (bg)	0	-1	-31	No	11	0	n/a	0.02	NP
Barium (mg/L)	**GWA-4 (bg)**	**0.008194**	**132**	**101**	**Yes**	**25**	**0**	**n/a**	**0.02**	**NP**
Barium (mg/L)	**GWC-21**	**0.002709**	**140**	**101**	**Yes**	**25**	**0**	**n/a**	**0.02**	**NP**
Beryllium (mg/L)	GWA-1 (bg)	0	-43	-101	No	25	88	n/a	0.02	NP
Beryllium (mg/L)	GWA-2 (bg)	0	-13	-101	No	25	88	n/a	0.02	NP
Beryllium (mg/L)	**GWA-28 (bg)**	**-0.00003524**	**-109**	**-101**	**Yes**	**25**	**40**	**n/a**	**0.02**	**NP**
Beryllium (mg/L)	GWA-29 (bg)	0.00002491	26	89	No	23	8.696	n/a	0.02	NP
Beryllium (mg/L)	GWA-3 (bg)	0	0	31	No	11	100	n/a	0.02	NP
Beryllium (mg/L)	GWA-4 (bg)	0	0	101	No	25	100	n/a	0.02	NP
Beryllium (mg/L)	**GWC-32**	**0.00005233**	**103**	**101**	**Yes**	**25**	**28**	**n/a**	**0.02**	**NP**
Boron (mg/L)	GWA-1 (bg)	0	-13	-44	No	14	92.86	n/a	0.02	NP
Boron (mg/L)	GWA-2 (bg)	0	0	44	No	14	100	n/a	0.02	NP
Boron (mg/L)	GWA-28 (bg)	0	0	44	No	14	100	n/a	0.02	NP
Boron (mg/L)	GWA-29 (bg)	0	2	39	No	13	92.31	n/a	0.02	NP
Boron (mg/L)	GWA-3 (bg)	0	0	20	No	8	100	n/a	0.02	NP
Boron (mg/L)	GWA-4 (bg)	0	0	44	No	14	100	n/a	0.02	NP
Boron (mg/L)	GWC-14	0.08655	16	44	No	14	0	n/a	0.02	NP
Chloride (mg/L)	**GWA-1 (bg)**	**-0.04716**	**-46**	**-44**	**Yes**	**14**	**0**	**n/a**	**0.02**	**NP**
Chloride (mg/L)	GWA-2 (bg)	0.206	24	44	No	14	0	n/a	0.02	NP
Chloride (mg/L)	GWA-28 (bg)	-0.05925	-42	-44	No	14	0	n/a	0.02	NP
Chloride (mg/L)	GWA-29 (bg)	-0.09333	-21	-39	No	13	0	n/a	0.02	NP
Chloride (mg/L)	GWA-3 (bg)	0.9173	3	17	No	7	14.29	n/a	0.02	NP
Chloride (mg/L)	GWA-4 (bg)	-0.7878	-13	-44	No	14	0	n/a	0.02	NP
Chloride (mg/L)	GWC-14	6.117	21	44	No	14	0	n/a	0.02	NP
Chromium (mg/L)	GWA-1 (bg)	0	23	101	No	25	88	n/a	0.02	NP
Chromium (mg/L)	GWA-2 (bg)	0	-70	-101	No	25	84	n/a	0.02	NP
Chromium (mg/L)	GWA-28 (bg)	0	-20	-101	No	25	80	n/a	0.02	NP
Chromium (mg/L)	GWA-29 (bg)	0	2	89	No	23	78.26	n/a	0.02	NP
Chromium (mg/L)	GWA-3 (bg)	0	-3	-31	No	11	72.73	n/a	0.02	NP
Chromium (mg/L)	GWA-4 (bg)	0	-5	-101	No	25	84	n/a	0.02	NP
Chromium (mg/L)	GWC-16	0	21	84	No	22	0	n/a	0.02	NP
Chromium (mg/L)	GWC-17	0	24	101	No	25	88	n/a	0.02	NP
Chromium (mg/L)	GWC-22	0	-1	-101	No	25	56	n/a	0.02	NP
Chromium (mg/L)	GWC-24	0	0	53	No	16	81.25	n/a	0.02	NP
Chromium (mg/L)	GWC-26	0	24	101	No	25	88	n/a	0.02	NP
Chromium (mg/L)	GWC-5	0	-9	-95	No	24	79.17	n/a	0.02	NP
Chromium (mg/L)	GWC-6	0	1	95	No	24	91.67	n/a	0.02	NP
Chromium (mg/L)	GWC-9	0	22	101	No	25	44	n/a	0.02	NP
Cobalt (mg/L)	GWA-1 (bg)	0	-60	-101	No	25	84	n/a	0.02	NP
Cobalt (mg/L)	GWA-2 (bg)	0	-81	-101	No	25	72	n/a	0.02	NP
Cobalt (mg/L)	GWA-28 (bg)	0	0	101	No	25	100	n/a	0.02	NP
Cobalt (mg/L)	GWA-29 (bg)	0	-22	-89	No	23	95.65	n/a	0.02	NP
Cobalt (mg/L)	GWA-3 (bg)	0	-14	-31	No	11	54.55	n/a	0.02	NP
Cobalt (mg/L)	GWA-4 (bg)	0.0003614	100	101	No	25	8	n/a	0.02	NP
Cobalt (mg/L)	**GWC-14**	**0.02337**	**126**	**95**	**Yes**	**24**	**12.5**	**n/a**	**0.02**	**NP**
Copper (mg/L)	GWA-1 (bg)	0	0	63	No	18	100	n/a	0.02	NP

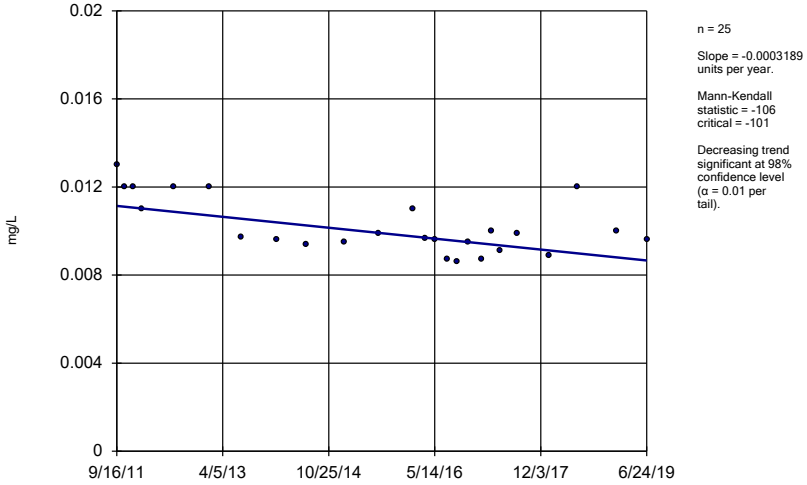
Trend Test All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 8/9/2019, 3:35 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Alpha	Method
Copper (mg/L)	GWA-2 (bg)	0	-19	-63	No	18	83.33	n/a	0.02	NP
Copper (mg/L)	GWA-28 (bg)	0	3	63	No	18	94.44	n/a	0.02	NP
Copper (mg/L)	**GWA-29 (bg)**	**-0.001097**	**-75**	**-63**	**Yes**	**18**	**16.67**	**n/a**	**0.02**	**NP**
Copper (mg/L)	GWA-3 (bg)	0	9	17	No	7	71.43	n/a	0.02	NP
Copper (mg/L)	GWA-4 (bg)	0	0	63	No	18	100	n/a	0.02	NP
Nickel (mg/L)	GWA-1 (bg)	0	-31	-63	No	18	88.89	n/a	0.02	NP
Nickel (mg/L)	GWA-2 (bg)	0	-41	-63	No	18	61.11	n/a	0.02	NP
Nickel (mg/L)	GWA-28 (bg)	0	-30	-63	No	18	83.33	n/a	0.02	NP
Nickel (mg/L)	**GWA-29 (bg)**	**-0.0002766**	**-71**	**-63**	**Yes**	**18**	**16.67**	**n/a**	**0.02**	**NP**
Nickel (mg/L)	GWA-3 (bg)	-0.0003946	-10	-17	No	7	42.86	n/a	0.02	NP
Nickel (mg/L)	GWA-4 (bg)	0	-30	-48	No	15	80	n/a	0.02	NP
Nickel (mg/L)	**GWC-14**	**0.001894**	**114**	**68**	**Yes**	**19**	**36.84**	**n/a**	**0.02**	**NP**
Nickel (mg/L)	GWC-26	0	1	63	No	18	88.89	n/a	0.02	NP
Nickel (mg/L)	GWC-8	5.4e-11	24	58	No	17	35.29	n/a	0.02	NP
pH (S.U.)	GWA-1 (bg)	-0.04607	-20	-48	No	15	0	n/a	0.02	NP
pH (S.U.)	GWA-2 (bg)	0	1	44	No	14	0	n/a	0.02	NP
pH (S.U.)	**GWA-28 (bg)**	**-0.1167**	**-62**	**-48**	**Yes**	**15**	**0**	**n/a**	**0.02**	**NP**
pH (S.U.)	GWA-29 (bg)	-0.03214	-16	-39	No	13	0	n/a	0.02	NP
pH (S.U.)	**GWA-3 (bg)**	**-0.277**	**-21**	**-17**	**Yes**	**7**	**0**	**n/a**	**0.02**	**NP**
pH (S.U.)	GWA-4 (bg)	-0.07502	-24	-39	No	13	0	n/a	0.02	NP
pH (S.U.)	GWC-18	-0.07227	-33	-39	No	13	0	n/a	0.02	NP
Sulfate (mg/L)	GWA-1 (bg)	0	-11	-44	No	14	92.86	n/a	0.02	NP
Sulfate (mg/L)	GWA-2 (bg)	0.1372	22	44	No	14	0	n/a	0.02	NP
Sulfate (mg/L)	GWA-28 (bg)	0.1066	20	44	No	14	7.143	n/a	0.02	NP
Sulfate (mg/L)	GWA-29 (bg)	-0.6263	-15	-39	No	13	0	n/a	0.02	NP
Sulfate (mg/L)	GWA-3 (bg)	-46.35	-13	-17	No	7	14.29	n/a	0.02	NP
Sulfate (mg/L)	GWA-4 (bg)	0	10	44	No	14	0	n/a	0.02	NP
Sulfate (mg/L)	**GWC-12**	**1.741**	**63**	**44**	**Yes**	**14**	**0**	**n/a**	**0.02**	**NP**
Sulfate (mg/L)	GWC-17	0.05803	39	44	No	14	57.14	n/a	0.02	NP
Sulfate (mg/L)	GWC-30	-0.04959	-32	-44	No	14	0	n/a	0.02	NP
Sulfate (mg/L)	**GWC-5**	**4.356**	**46**	**44**	**Yes**	**14**	**0**	**n/a**	**0.02**	**NP**
Vanadium (mg/L)	GWA-1 (bg)	0	1	63	No	18	88.89	n/a	0.02	NP
Vanadium (mg/L)	GWA-2 (bg)	0	-39	-63	No	18	72.22	n/a	0.02	NP
Vanadium (mg/L)	GWA-28 (bg)	0	-11	-63	No	18	83.33	n/a	0.02	NP
Vanadium (mg/L)	GWA-29 (bg)	0	-42	-63	No	18	83.33	n/a	0.02	NP
Vanadium (mg/L)	GWA-3 (bg)	0	1	17	No	7	71.43	n/a	0.02	NP
Vanadium (mg/L)	GWA-4 (bg)	0	-44	-63	No	18	61.11	n/a	0.02	NP
Vanadium (mg/L)	GWC-17	0	28	63	No	18	44.44	n/a	0.02	NP
Vanadium (mg/L)	GWC-18	0	2	53	No	16	75	n/a	0.02	NP
Vanadium (mg/L)	GWC-19	0	54	63	No	18	72.22	n/a	0.02	NP
Vanadium (mg/L)	GWC-22	-0.000195	-38	-63	No	18	16.67	n/a	0.02	NP
Zinc (mg/L)	GWA-1 (bg)	0	1	63	No	18	11.11	n/a	0.02	NP
Zinc (mg/L)	GWA-2 (bg)	-0.0001339	-16	-63	No	18	22.22	n/a	0.02	NP
Zinc (mg/L)	GWA-28 (bg)	0.0005997	50	63	No	18	22.22	n/a	0.02	NP
Zinc (mg/L)	GWA-29 (bg)	-0.0003152	-6	-63	No	18	0	n/a	0.02	NP
Zinc (mg/L)	GWA-3 (bg)	0	0	17	No	7	28.57	n/a	0.02	NP
Zinc (mg/L)	GWA-4 (bg)	0	-3	-58	No	17	58.82	n/a	0.02	NP
Zinc (mg/L)	**GWC-14**	**0.001159**	**80**	**63**	**Yes**	**18**	**16.67**	**n/a**	**0.02**	**NP**

Barium

GWA-1 (bg)



n = 25

Slope = -0.0003189 units per year.

Mann-Kendall statistic = -106
critical = -101

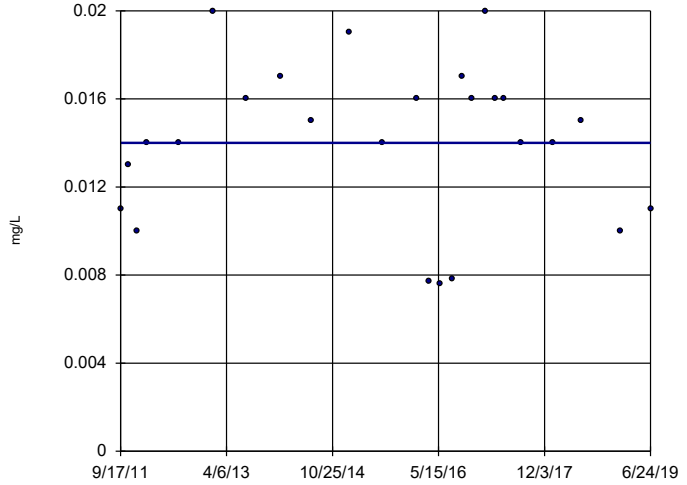
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Barium

GWA-2 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -101

Trend not significant at 98% confidence level (α = 0.01 per tail).

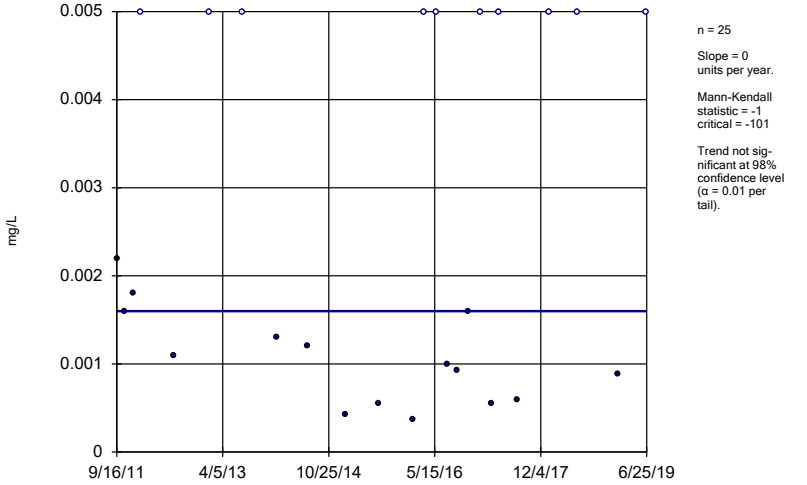
Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Barium

GWA-28 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -1
critical = -101

Trend not significant at 98% confidence level (α = 0.01 per tail).

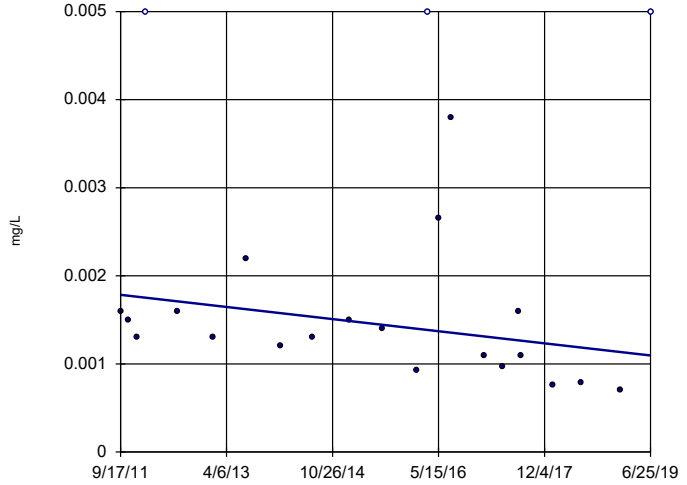
Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Barium

GWA-29 (bg)



n = 23

Slope = -0.00008839 units per year.

Mann-Kendall statistic = -66
critical = -89

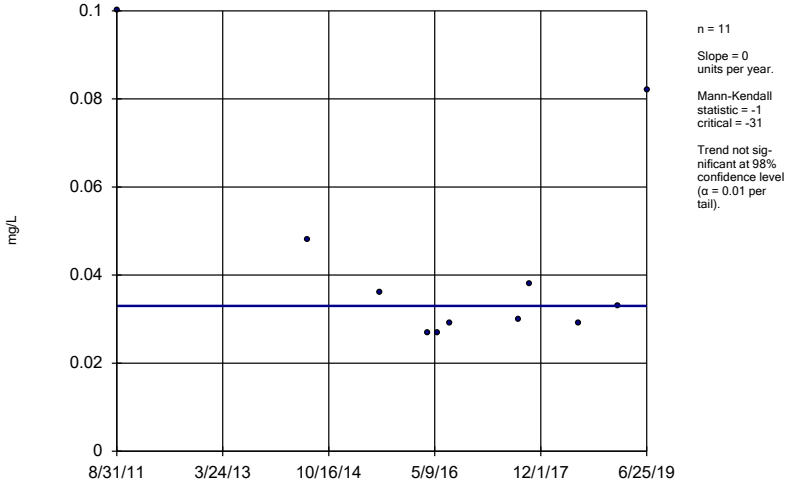
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Barium

GWA-3 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = -1 critical = -31

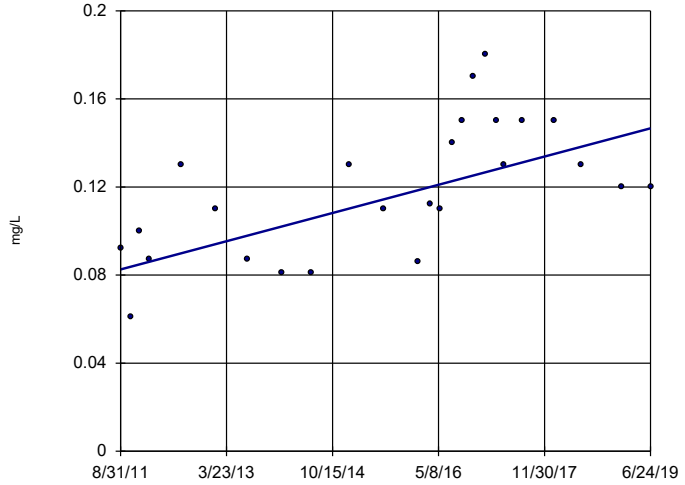
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Barium

GWA-4 (bg)



n = 25

Slope = 0.008194 units per year.

Mann-Kendall statistic = 132 critical = 101

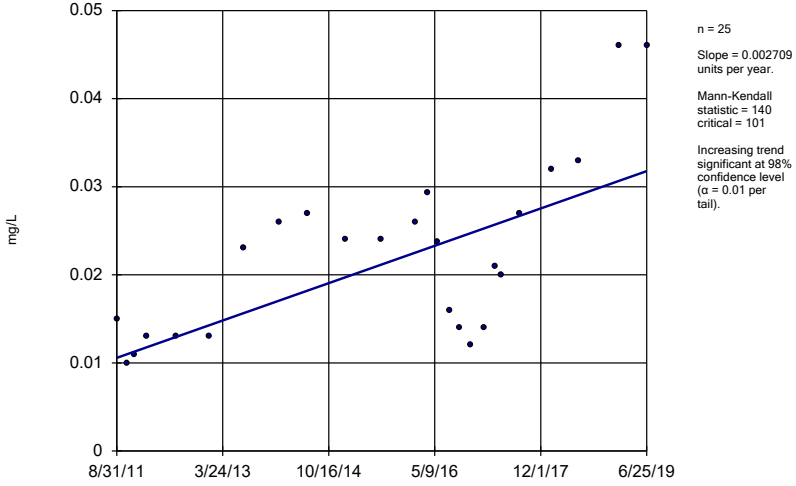
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Barium

GWC-21



n = 25

Slope = 0.002709 units per year.

Mann-Kendall statistic = 140 critical = 101

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

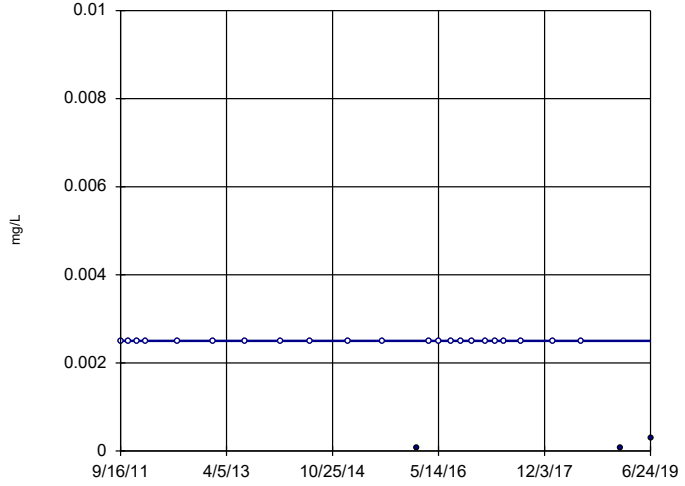
Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Beryllium

GWA-1 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -43 critical = -101

Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

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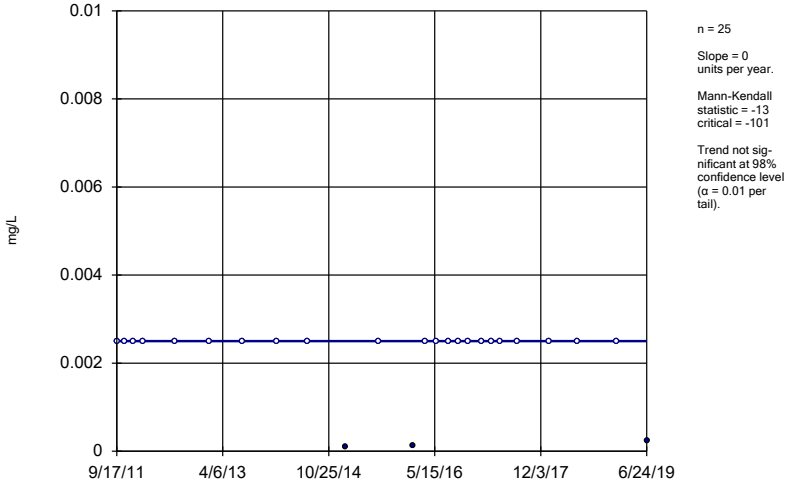
Hollow symbols indicate censored values.

Beryllium

GWA-2 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -13
critical = -101

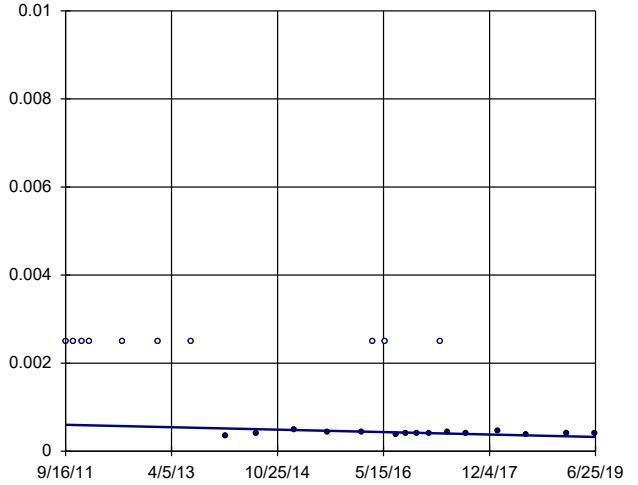
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Beryllium

GWA-28 (bg)



n = 25

Slope = -0.00003524 units per year.

Mann-Kendall statistic = -109
critical = -101

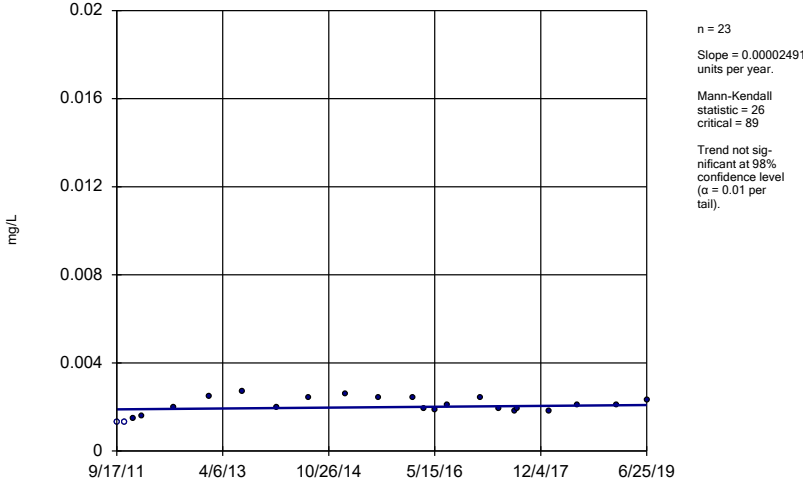
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Beryllium

GWA-29 (bg)



n = 23

Slope = 0.00002491 units per year.

Mann-Kendall statistic = 26
critical = 89

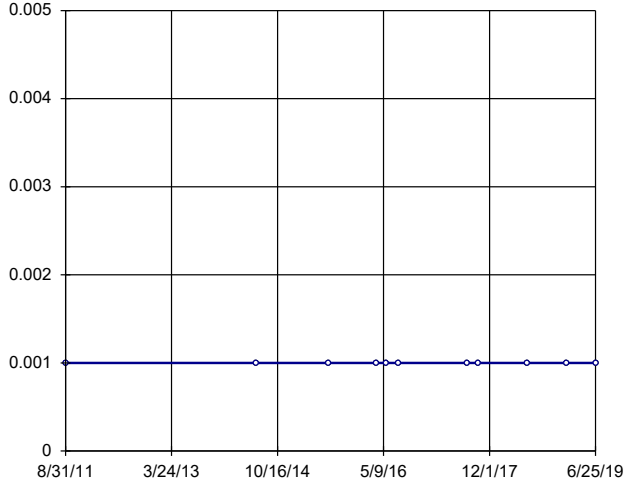
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Beryllium

GWA-3 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 31

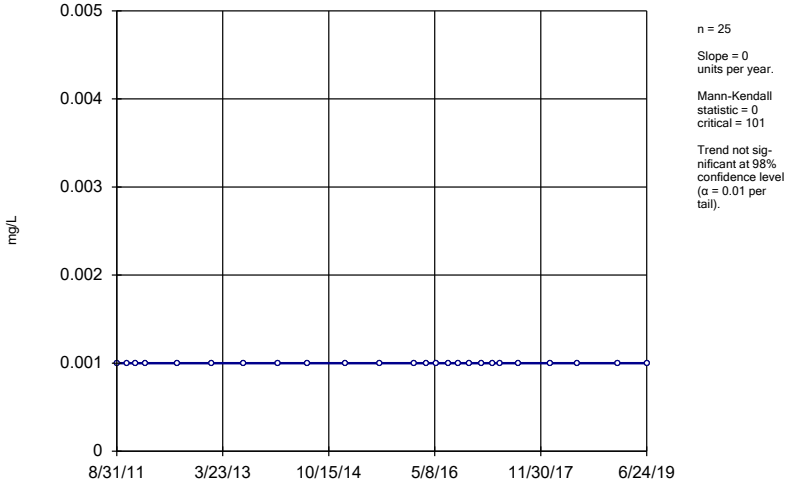
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Beryllium

GWA-4 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 101

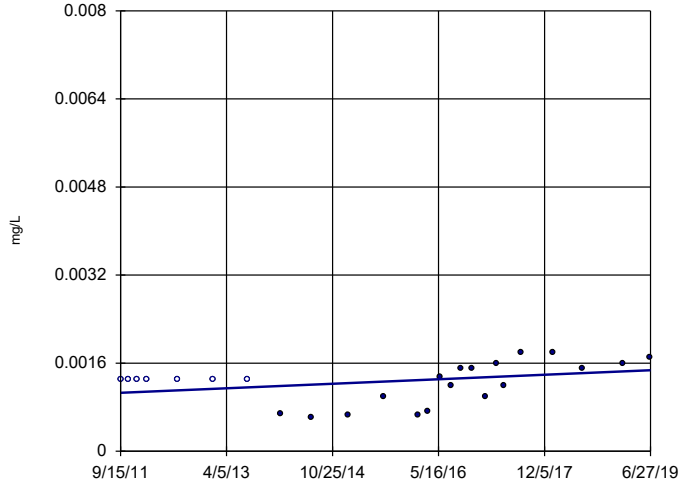
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Beryllium

GWC-32



n = 25

Slope = 0.00005233 units per year.

Mann-Kendall statistic = 103
critical = 101

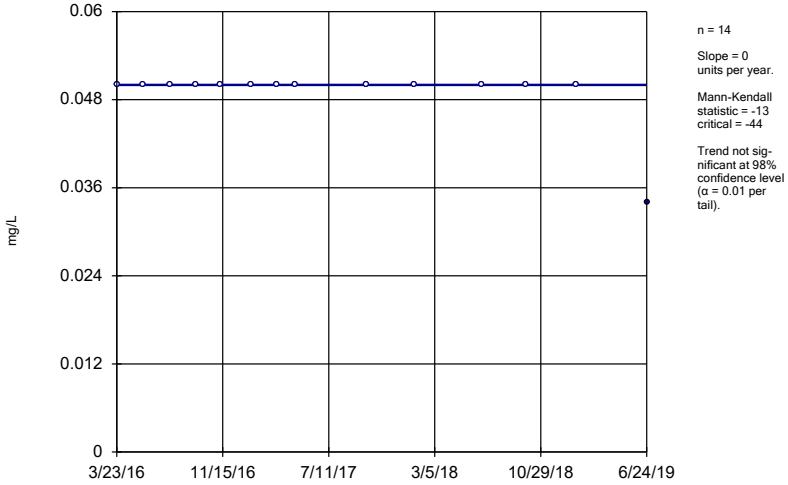
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Boron

GWA-1 (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = -13
critical = -44

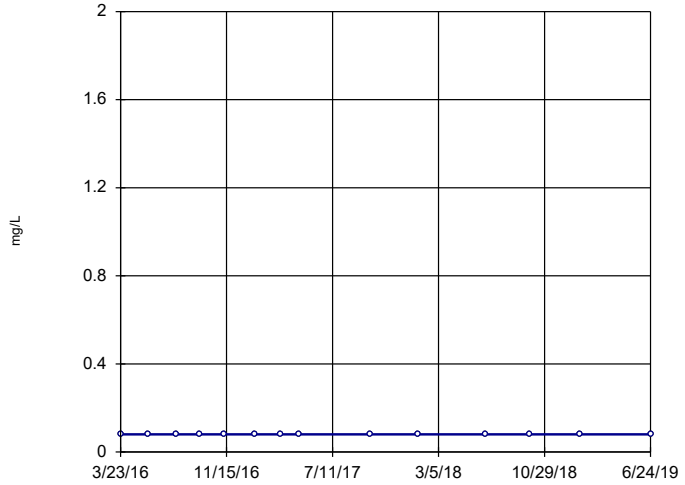
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Boron

GWA-2 (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 44

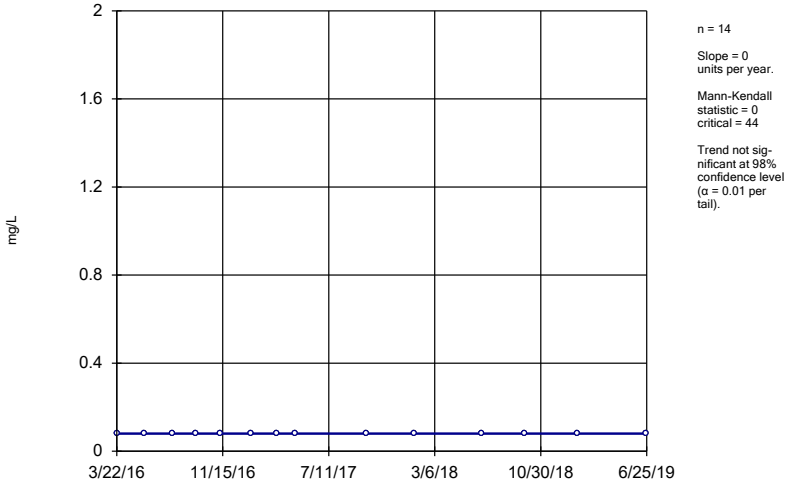
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Boron

GWA-28 (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 44

Trend not significant at 98% confidence level (α = 0.01 per tail).

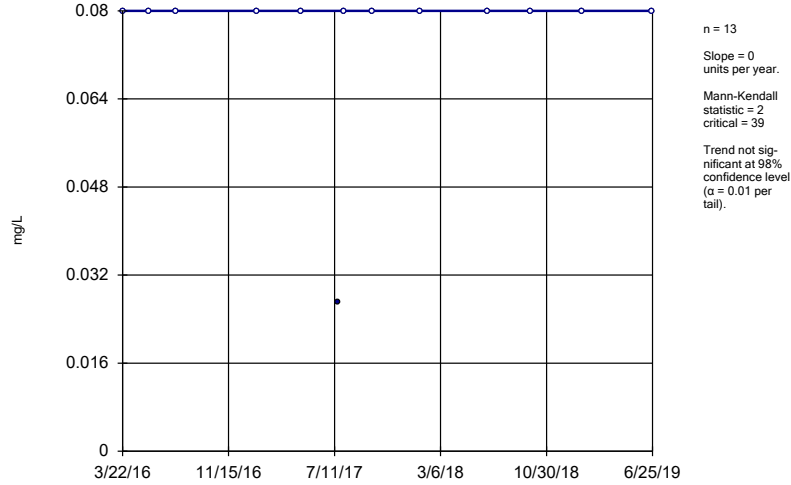
Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Boron

GWA-29 (bg)



n = 13

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 39

Trend not significant at 98% confidence level (α = 0.01 per tail).

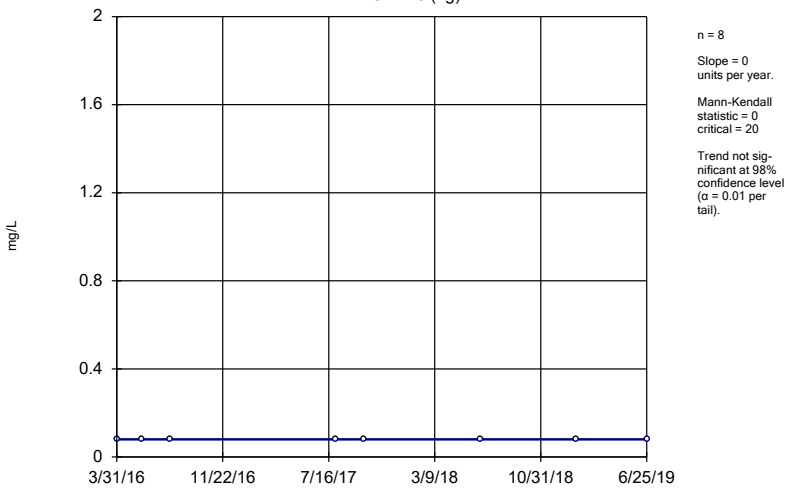
Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Boron

GWA-3 (bg)



n = 8

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 20

Trend not significant at 98% confidence level (α = 0.01 per tail).

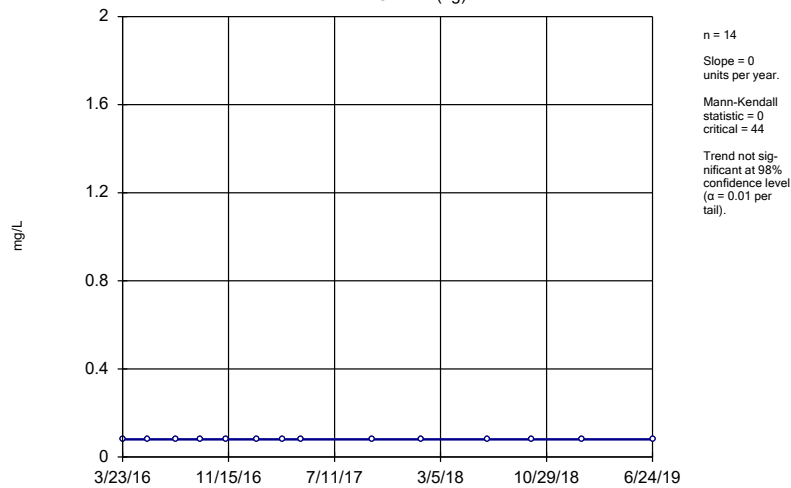
Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Boron

GWA-4 (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 44

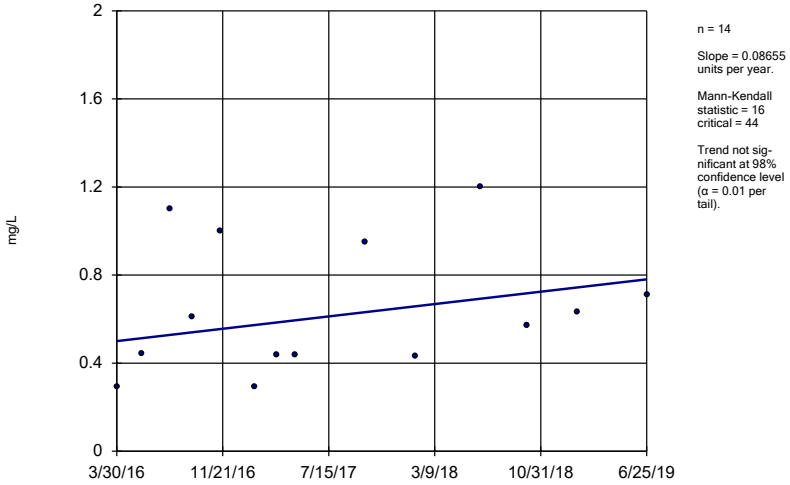
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Boron

GWC-14



n = 14

Slope = 0.08655 units per year.

Mann-Kendall statistic = 16
critical = 44

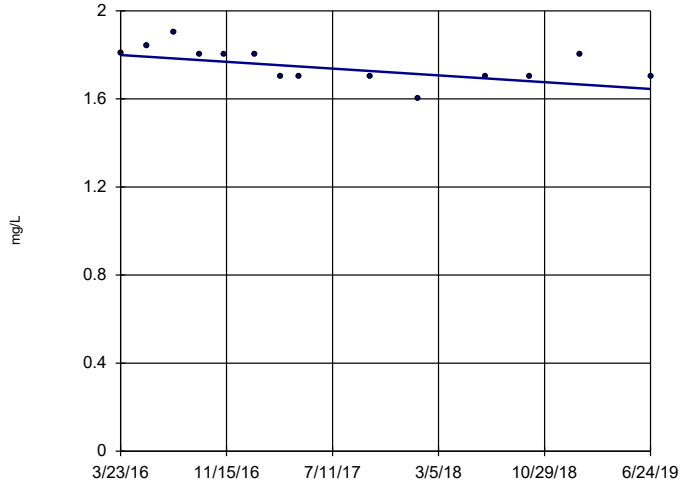
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

Chloride

GWA-1 (bg)



n = 14

Slope = -0.04716 units per year.

Mann-Kendall statistic = -46
critical = -44

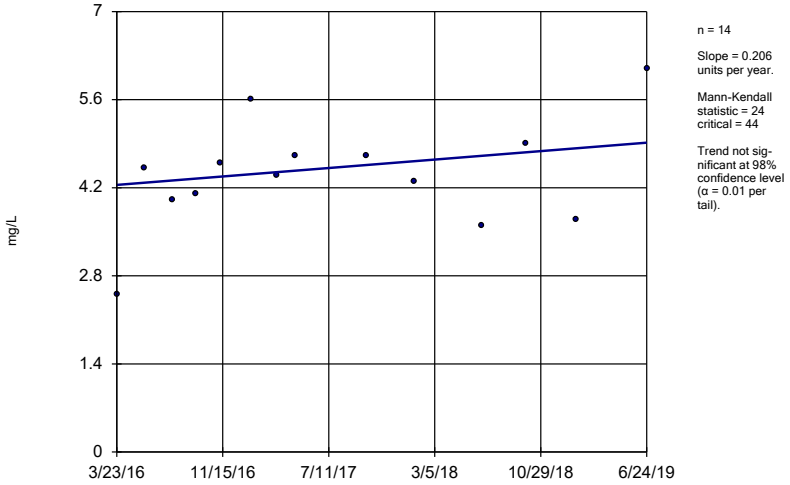
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

Chloride

GWA-2 (bg)



n = 14

Slope = 0.206 units per year.

Mann-Kendall statistic = 24
critical = 44

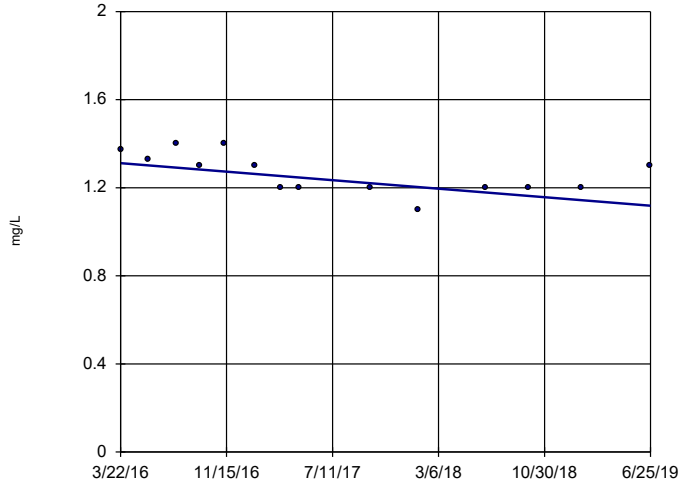
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

Chloride

GWA-28 (bg)



n = 14

Slope = -0.05925 units per year.

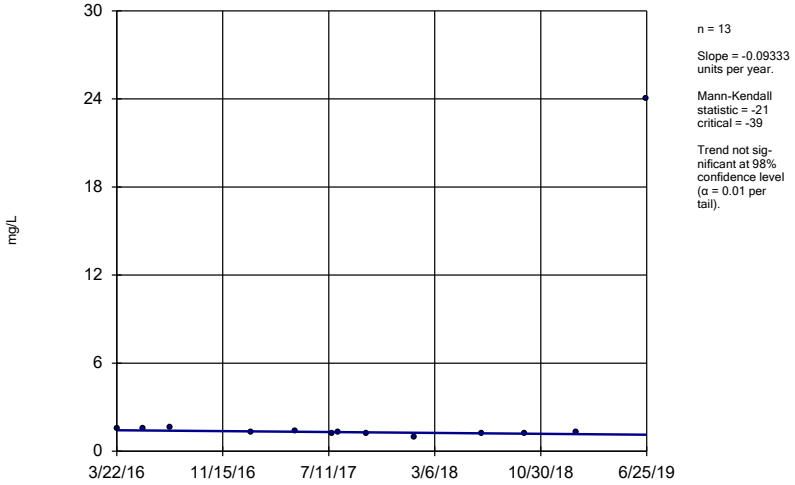
Mann-Kendall statistic = -42
critical = -44

Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Chloride

GWA-29 (bg)



n = 13

Slope = -0.09333 units per year.

Mann-Kendall statistic = -21
critical = -39

Trend not significant at 98% confidence level (α = 0.01 per tail).

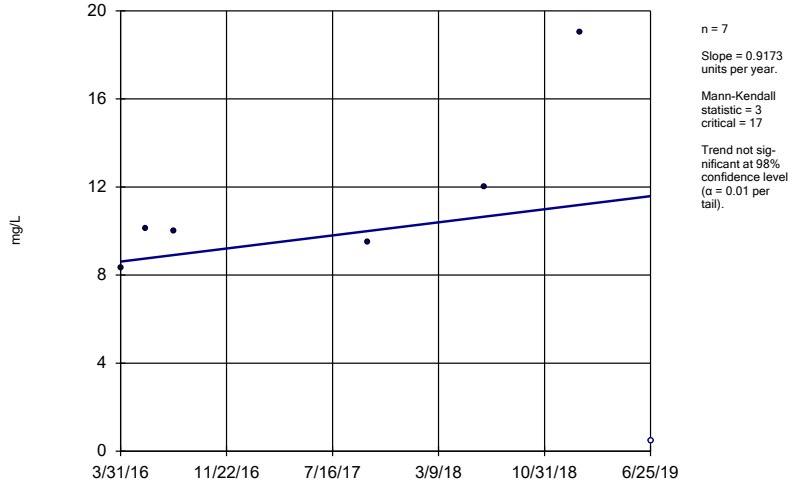
Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Chloride

GWA-3 (bg)



n = 7

Slope = 0.9173 units per year.

Mann-Kendall statistic = 3
critical = 17

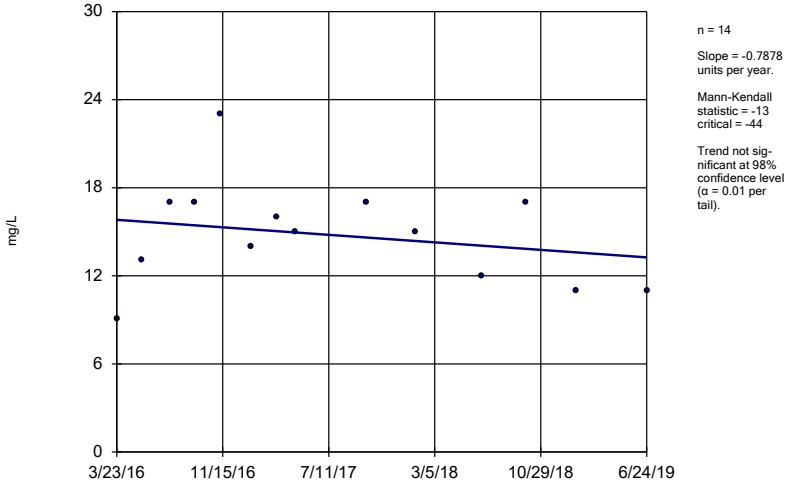
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Chloride

GWA-4 (bg)



n = 14

Slope = -0.7878 units per year.

Mann-Kendall statistic = -13
critical = -44

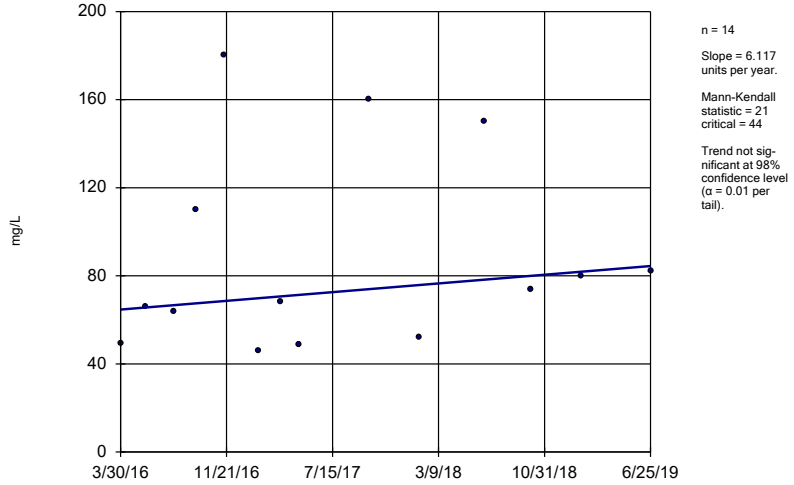
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Chloride

GWC-14



n = 14

Slope = 6.117 units per year.

Mann-Kendall statistic = 21
critical = 44

Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:28 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

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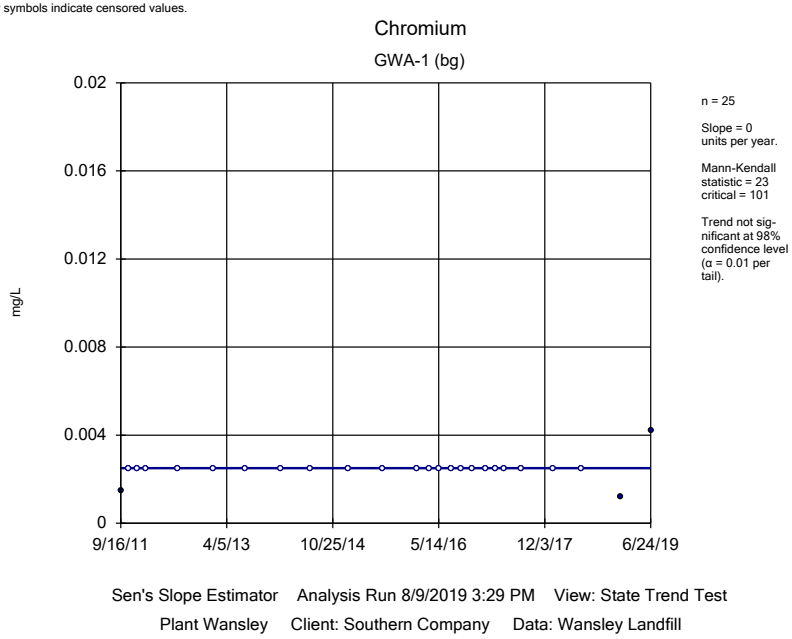
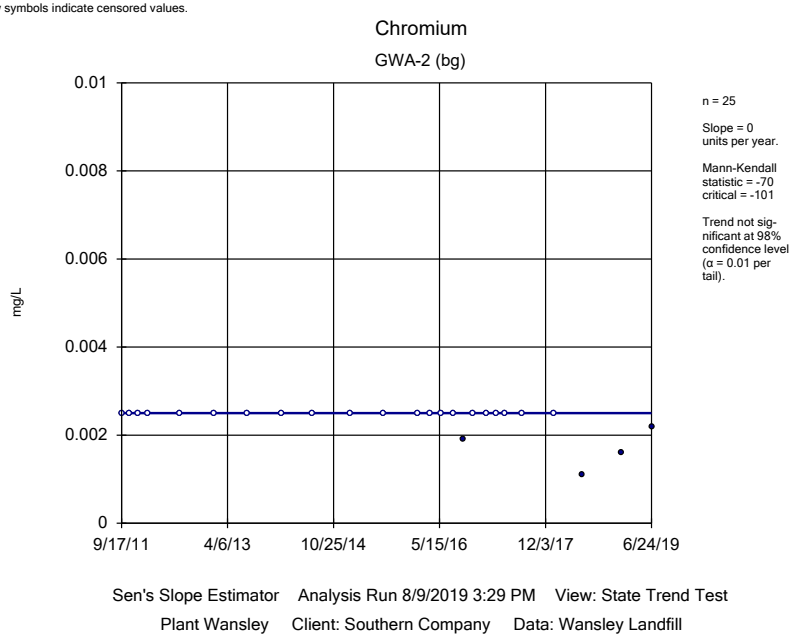
Hollow symbols indicate censored values.



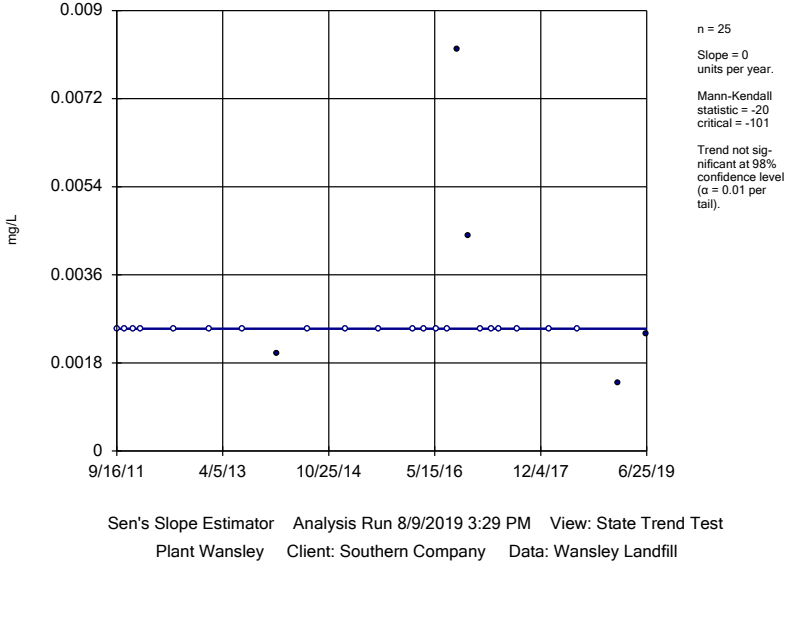
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.



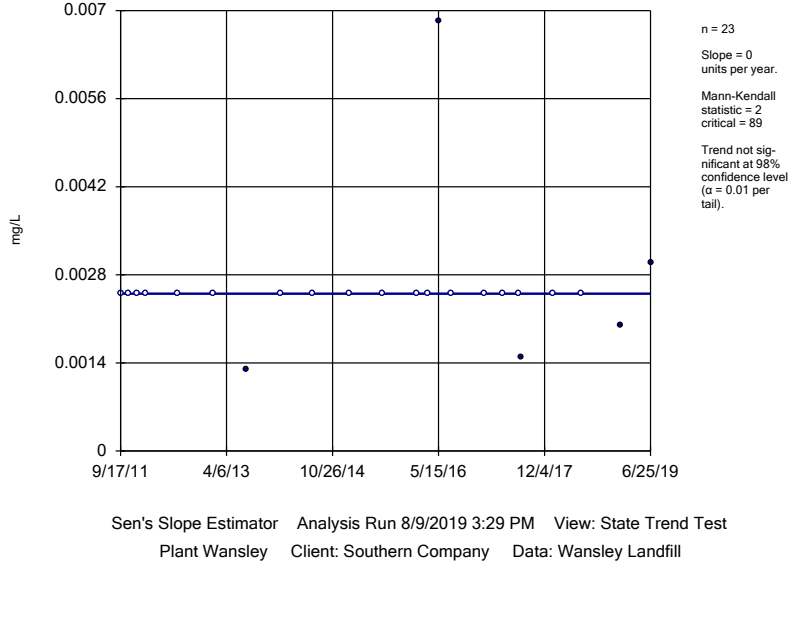
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.



Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

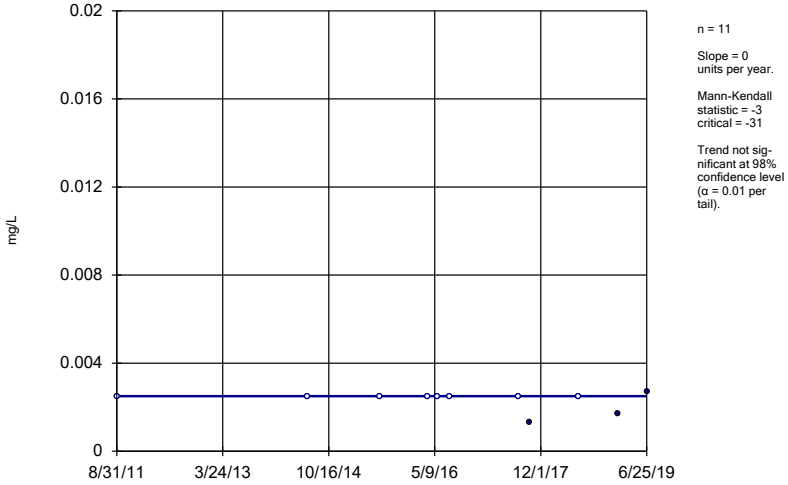


Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Chromium

GWA-3 (bg)



n = 11

Slope = 0 units per year.

Mann-Kendall statistic = -3 critical = -31

Trend not significant at 98% confidence level (α = 0.01 per tail).

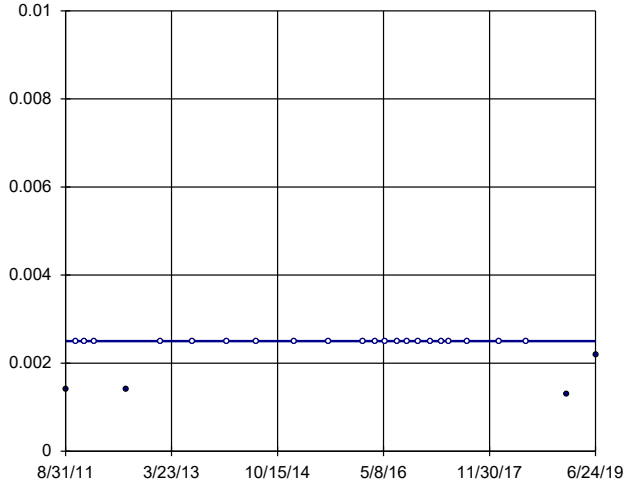
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Chromium

GWA-4 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -5 critical = -101

Trend not significant at 98% confidence level (α = 0.01 per tail).

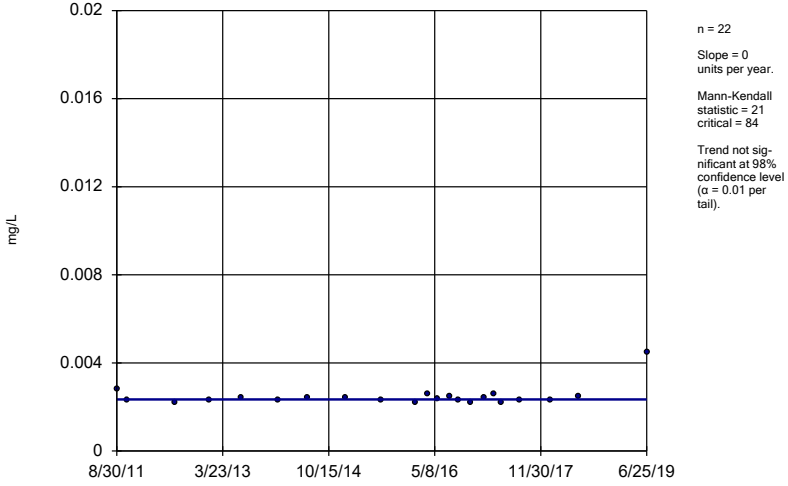
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

Chromium

GWC-16



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 21 critical = 84

Trend not significant at 98% confidence level (α = 0.01 per tail).

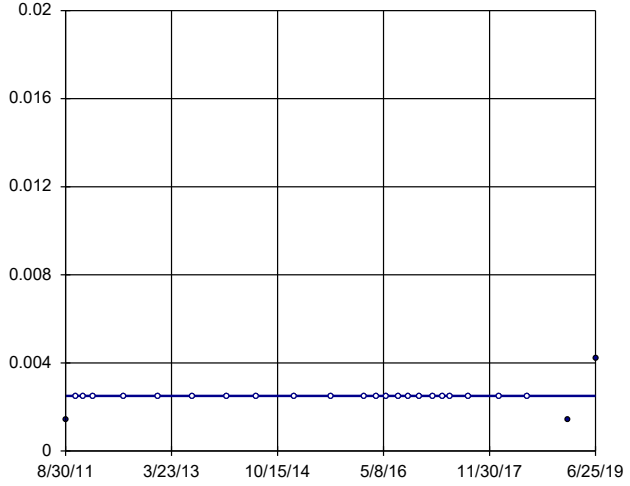
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Chromium

GWC-17



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 24 critical = 101

Trend not significant at 98% confidence level (α = 0.01 per tail).

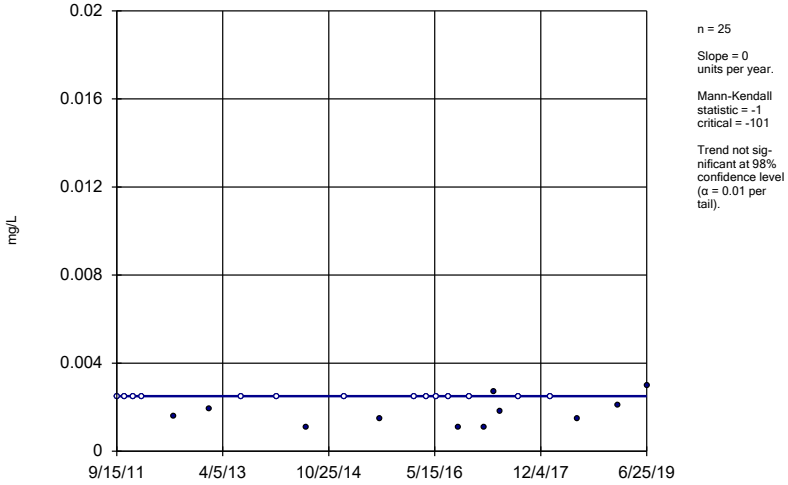
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Chromium

GWC-22



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -1 critical = -101

Trend not significant at 98% confidence level (α = 0.01 per tail).

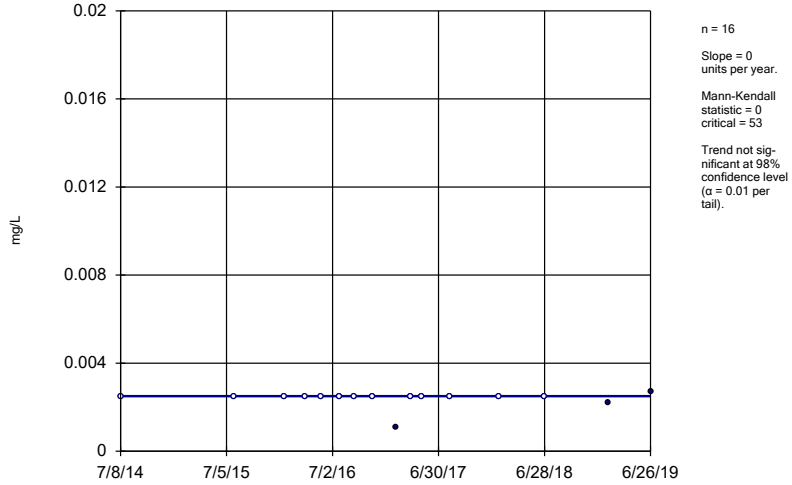
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Chromium

GWC-24



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 53

Trend not significant at 98% confidence level (α = 0.01 per tail).

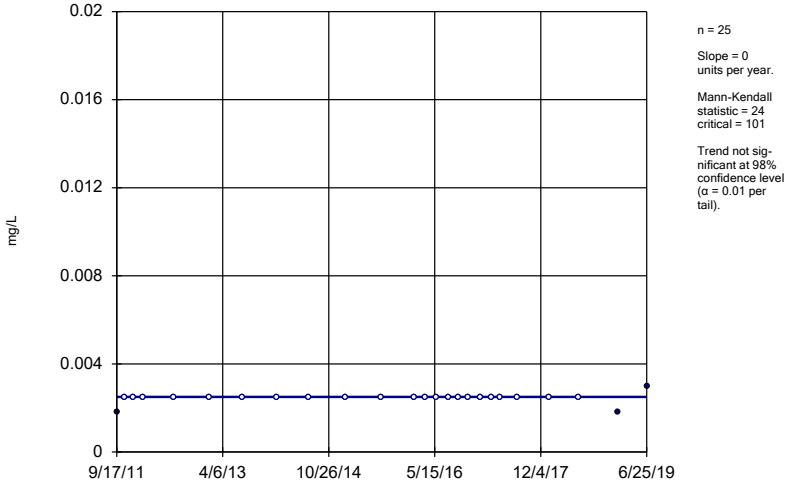
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Chromium

GWC-26



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 24 critical = 101

Trend not significant at 98% confidence level (α = 0.01 per tail).

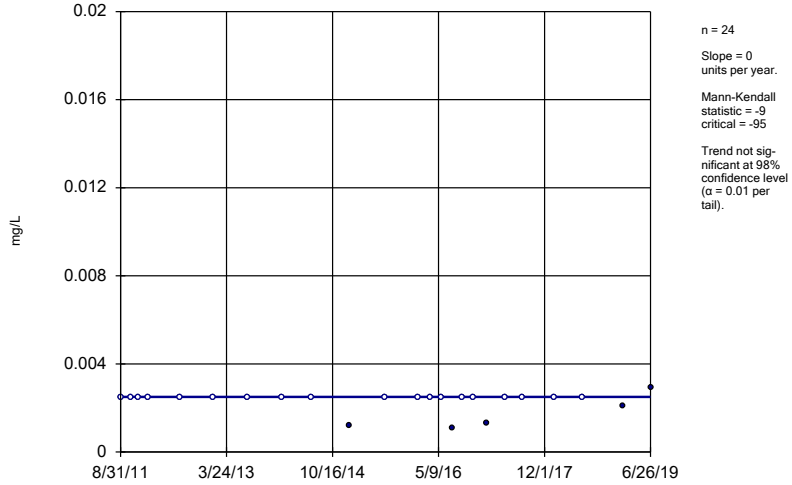
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Chromium

GWC-5



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = -9 critical = -95

Trend not significant at 98% confidence level (α = 0.01 per tail).

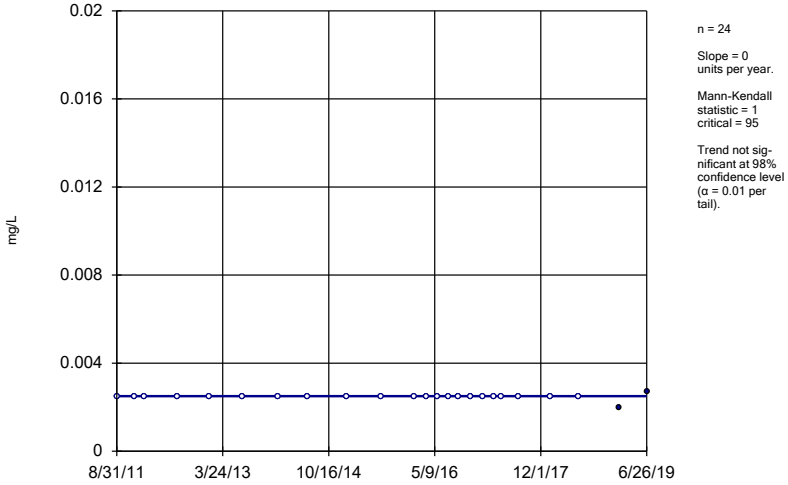
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Chromium

GWC-6



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 1
critical = 95

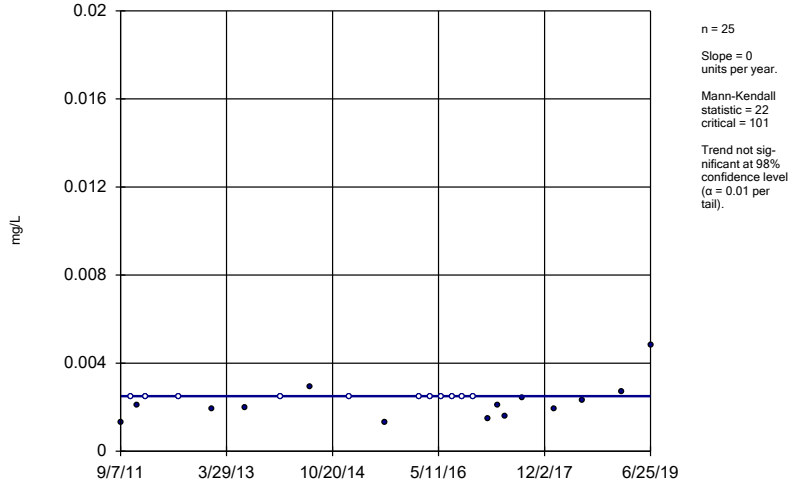
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Chromium

GWC-9



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = 22
critical = 101

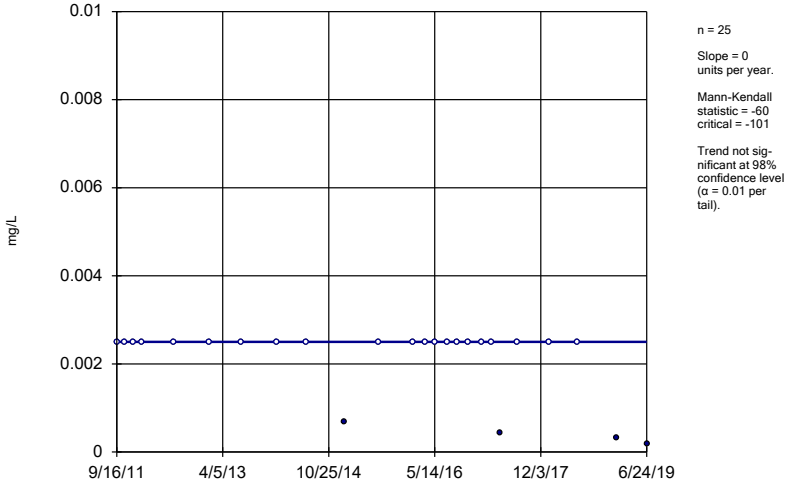
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Cobalt

GWA-1 (bg)



n = 25

Slope = 0 units per year.

Mann-Kendall statistic = -60
critical = -101

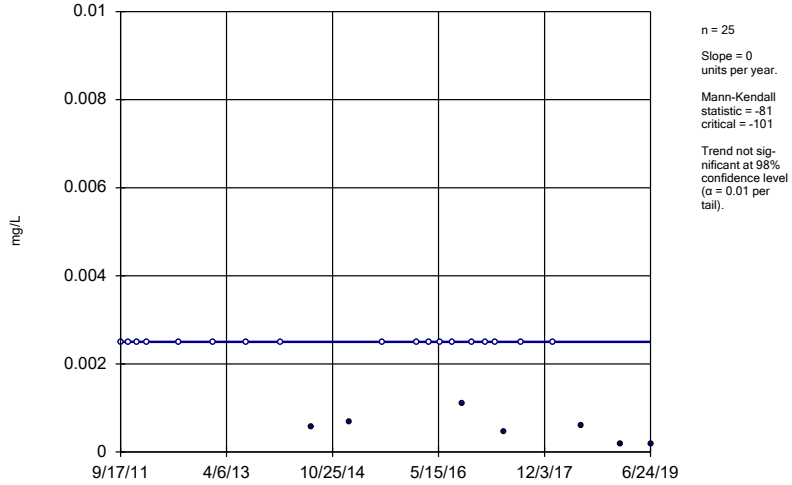
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Cobalt

GWA-2 (bg)



n = 25

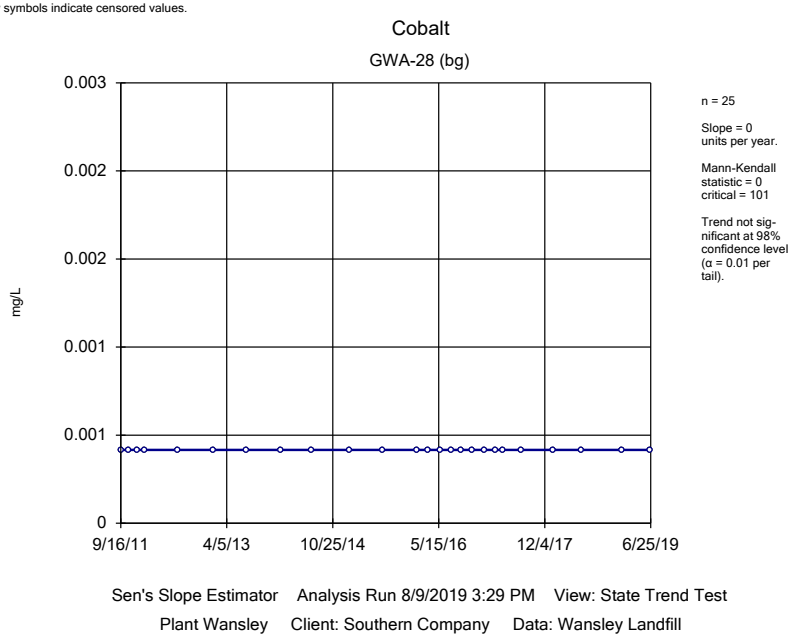
Slope = 0 units per year.

Mann-Kendall statistic = -81
critical = -101

Trend not significant at 98% confidence level (α = 0.01 per tail).

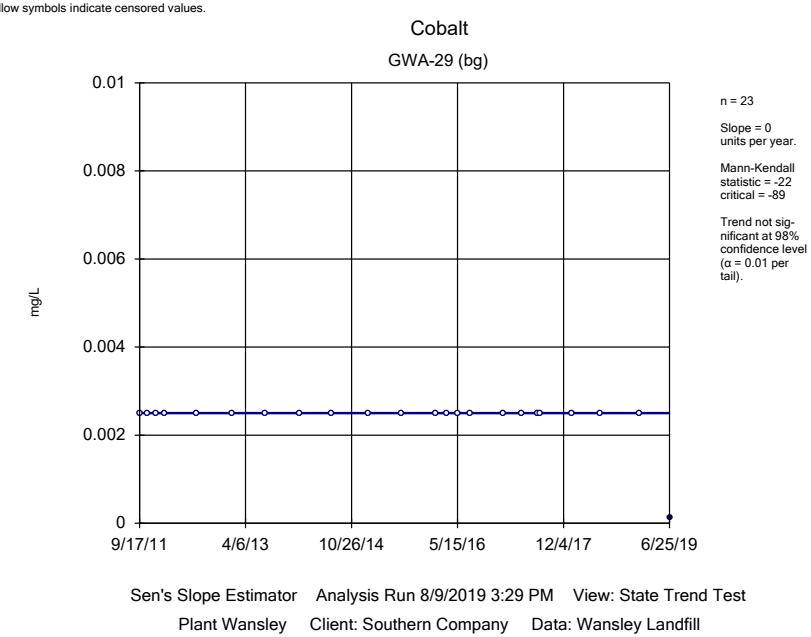
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.



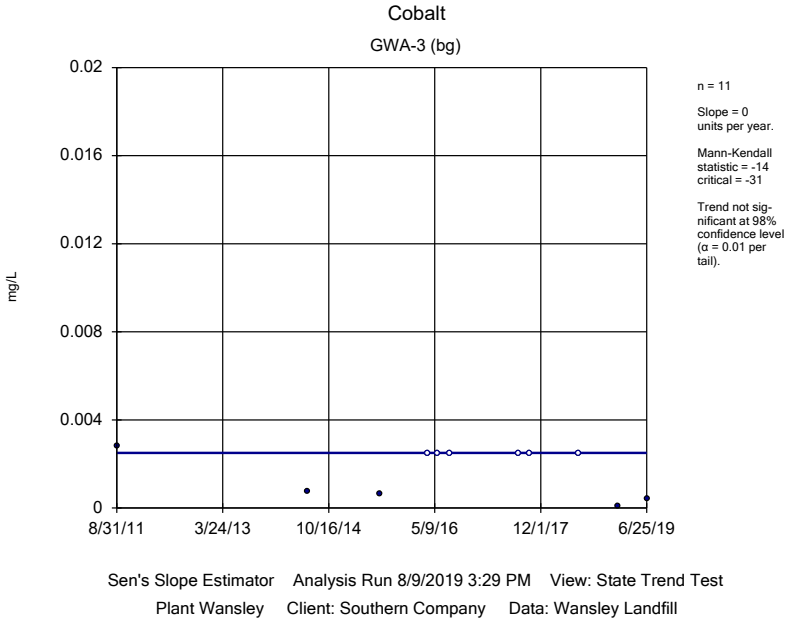
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.



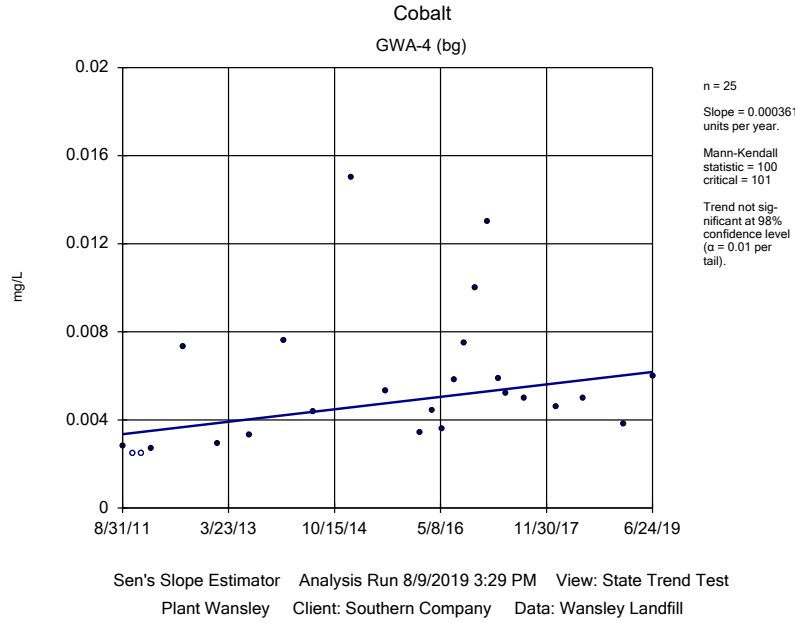
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.



Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

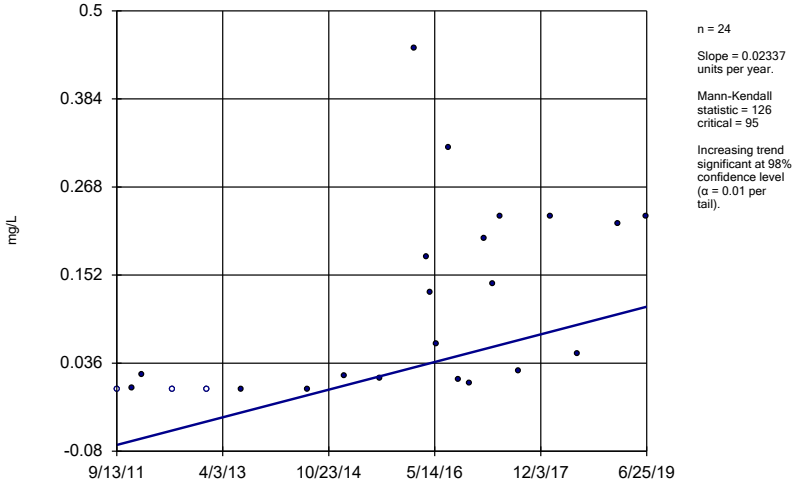


Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Cobalt

GWC-14



n = 24

Slope = 0.02337 units per year.

Mann-Kendall statistic = 126
critical = 95

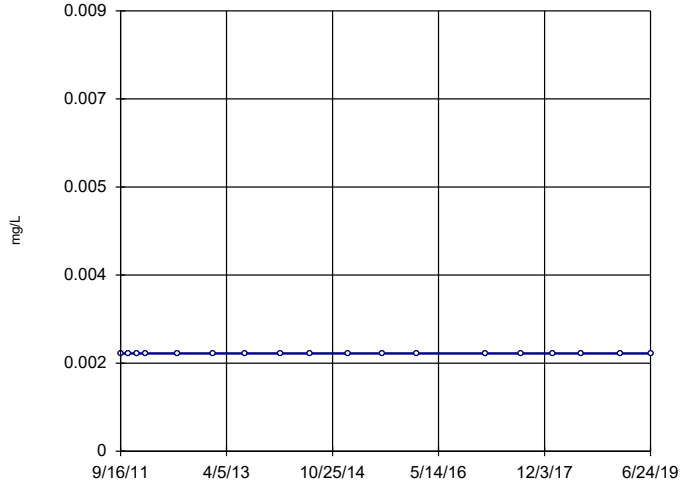
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Copper

GWA-1 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 63

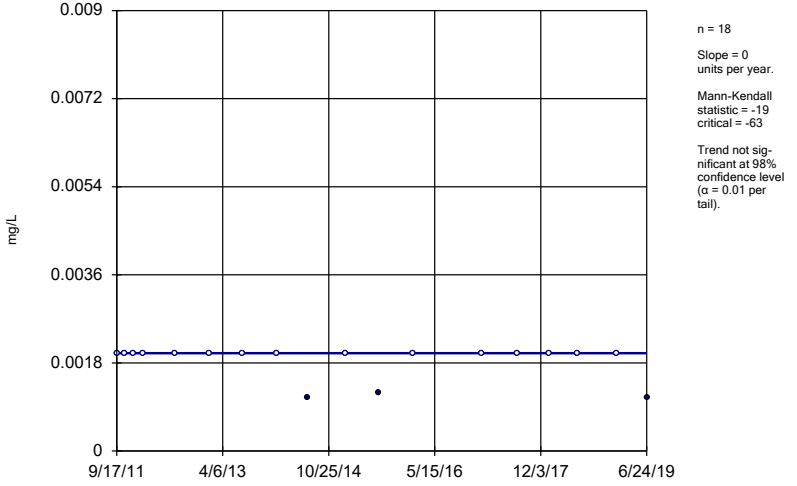
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Copper

GWA-2 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -19
critical = -63

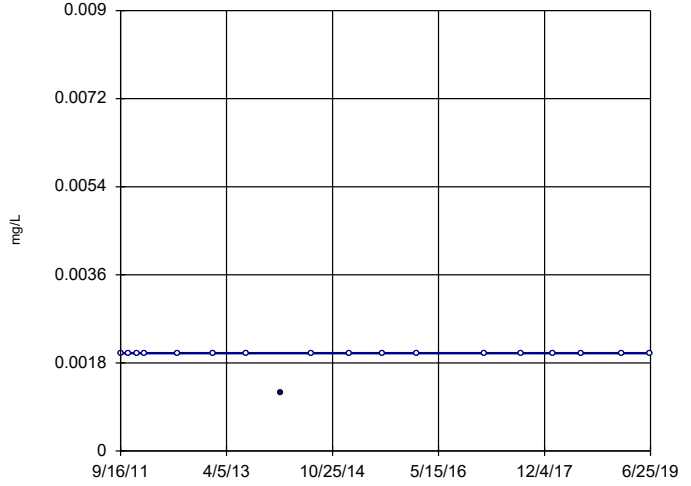
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Copper

GWA-28 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 3
critical = 63

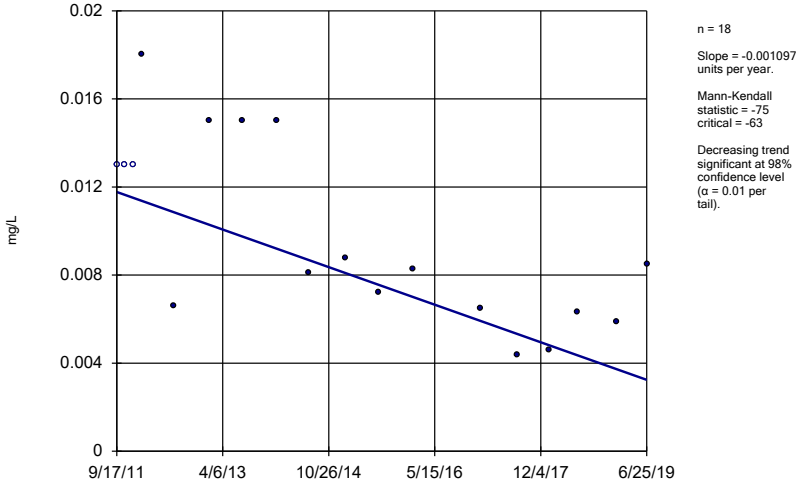
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Copper

GWA-29 (bg)



n = 18

Slope = -0.001097 units per year.

Mann-Kendall statistic = -75
critical = -63

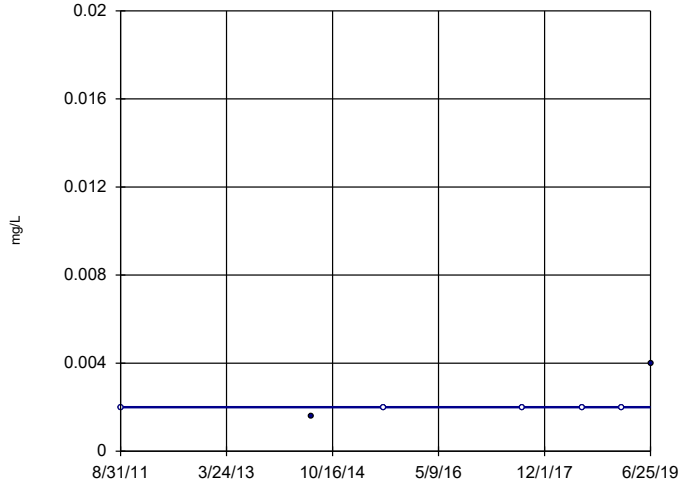
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Copper

GWA-3 (bg)



n = 7

Slope = 0 units per year.

Mann-Kendall statistic = 9
critical = 17

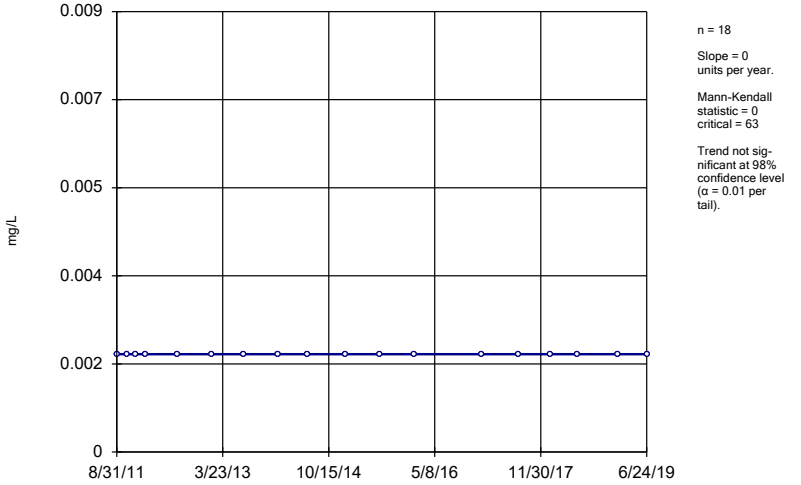
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Copper

GWA-4 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 63

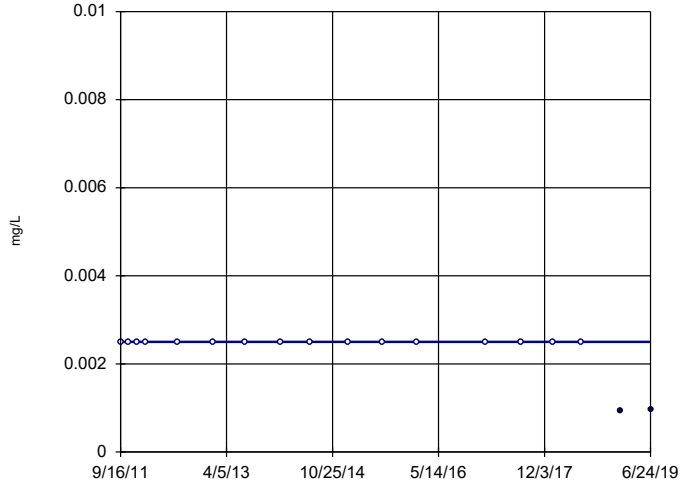
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Nickel

GWA-1 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -31
critical = -63

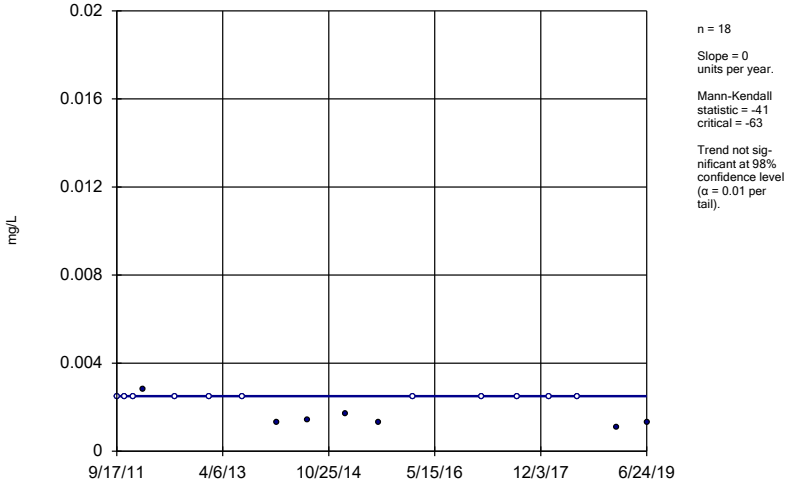
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Nickel

GWA-2 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -41
critical = -63

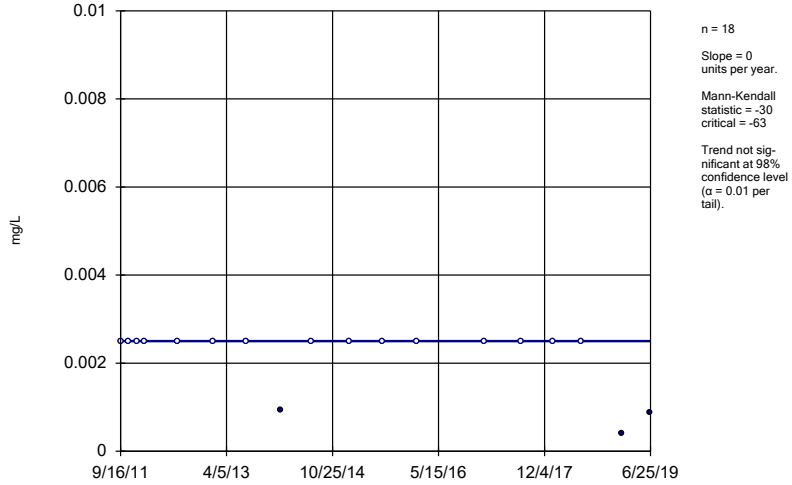
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Nickel

GWA-28 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -30
critical = -63

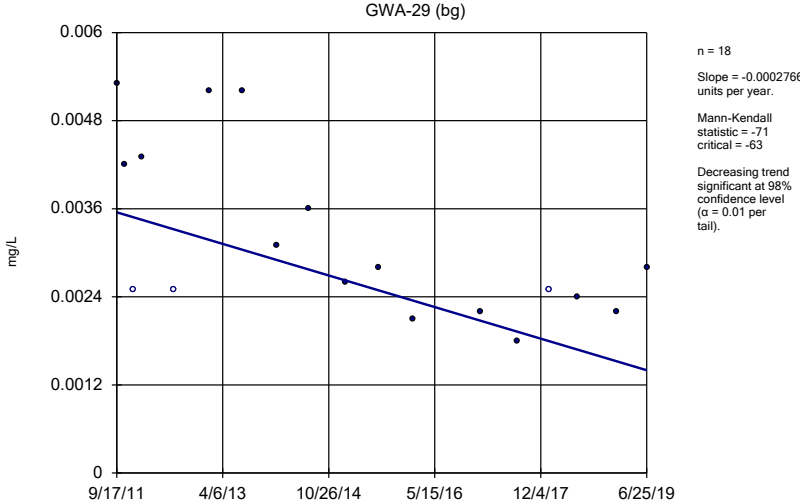
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Nickel

GWA-29 (bg)



n = 18

Slope = -0.0002766 units per year.

Mann-Kendall statistic = -71
critical = -63

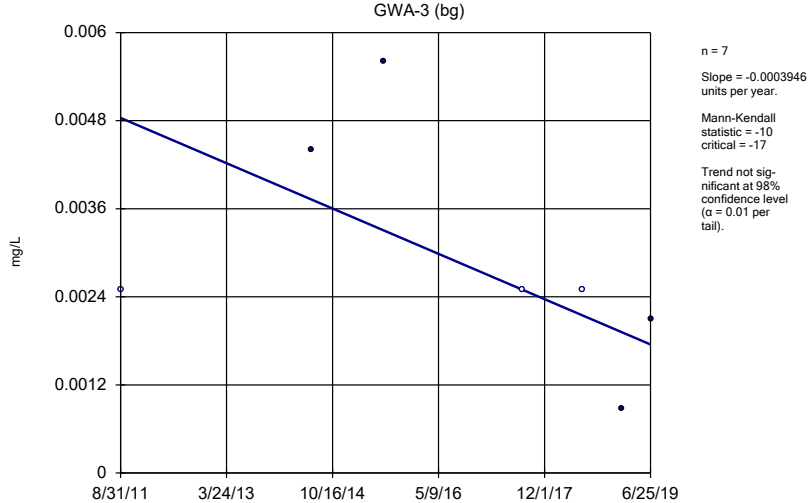
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Nickel

GWA-3 (bg)



n = 7

Slope = -0.0003946 units per year.

Mann-Kendall statistic = -10
critical = -17

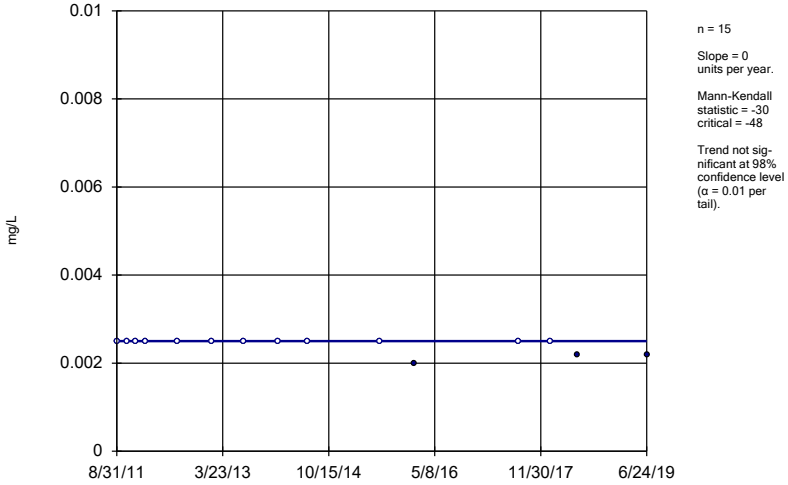
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Nickel

GWA-4 (bg)



n = 15

Slope = 0 units per year.

Mann-Kendall statistic = -30 critical = -48

Trend not significant at 98% confidence level (α = 0.01 per tail).

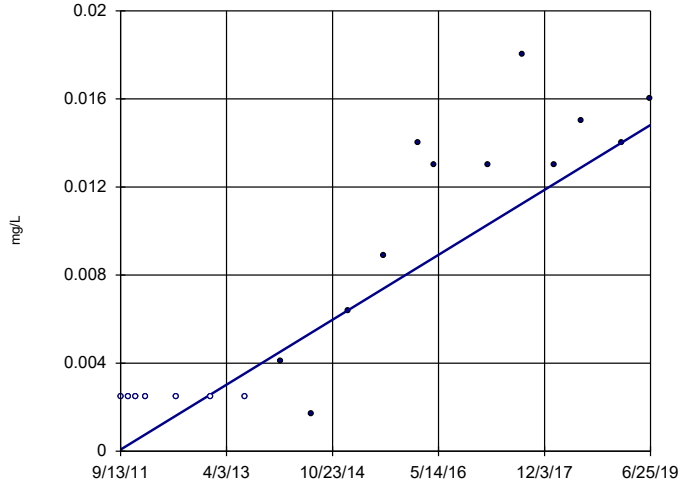
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Nickel

GWC-14



n = 19

Slope = 0.001894 units per year.

Mann-Kendall statistic = 114 critical = 68

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

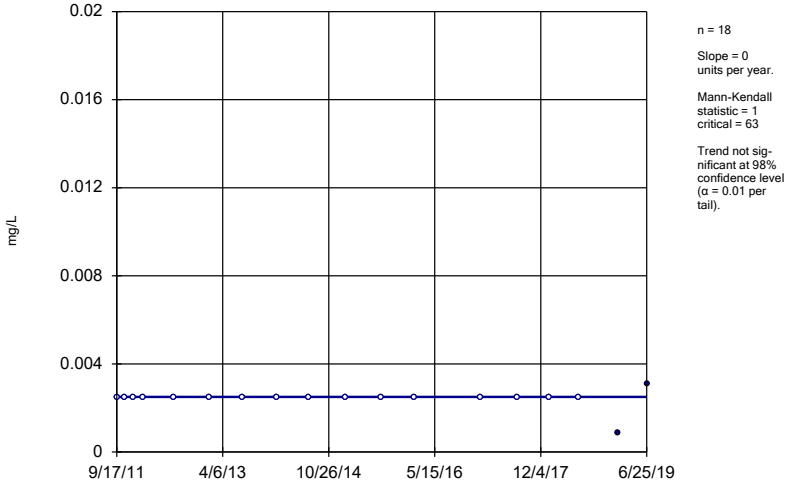
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Nickel

GWC-26



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 1 critical = 63

Trend not significant at 98% confidence level (α = 0.01 per tail).

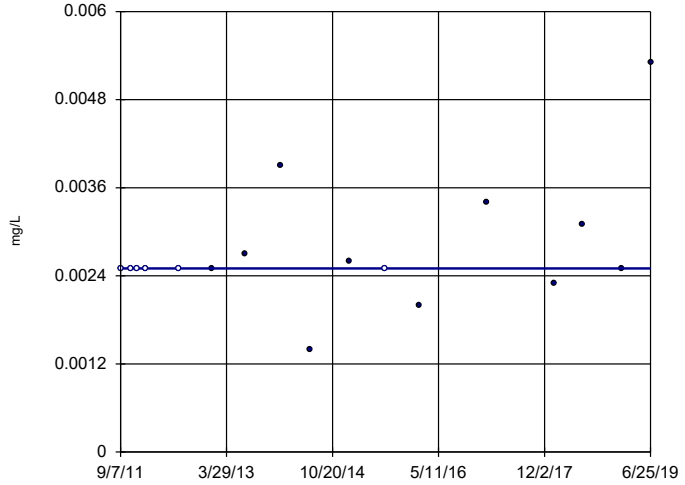
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Nickel

GWC-8



n = 17

Slope = 5.4e-11 units per year.

Mann-Kendall statistic = 24 critical = 58

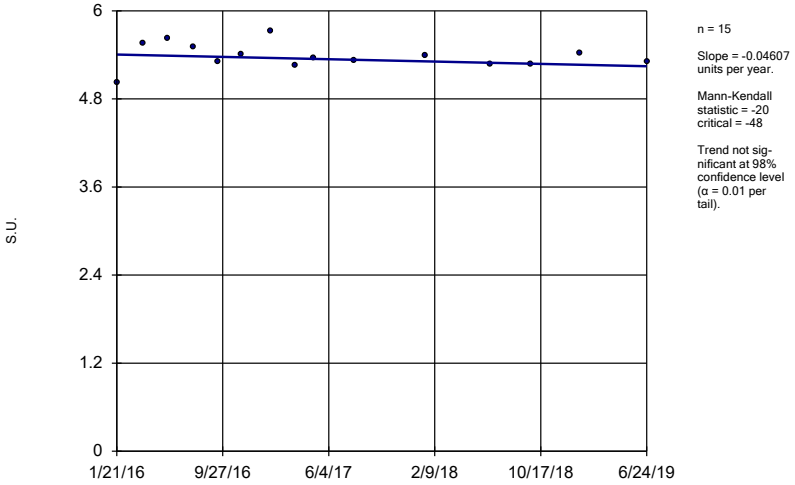
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

pH

GWA-1 (bg)



n = 15

Slope = -0.04607 units per year.

Mann-Kendall statistic = -20 critical = -48

Trend not significant at 98% confidence level (α = 0.01 per tail).

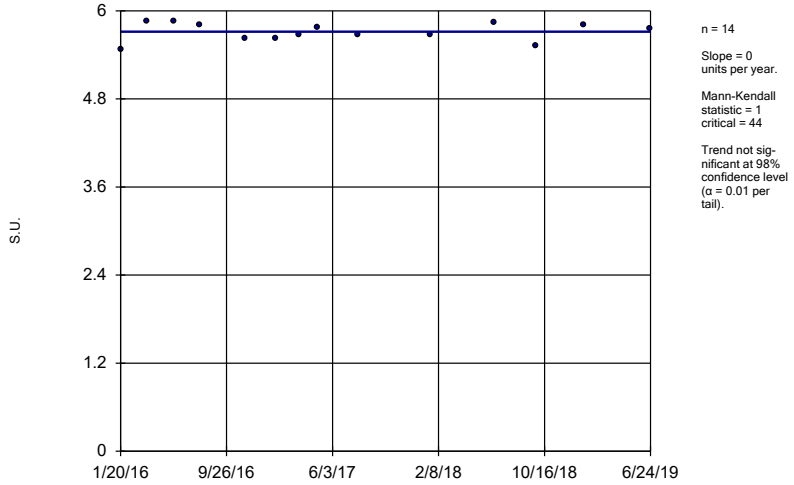
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

pH

GWA-2 (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = 1 critical = 44

Trend not significant at 98% confidence level (α = 0.01 per tail).

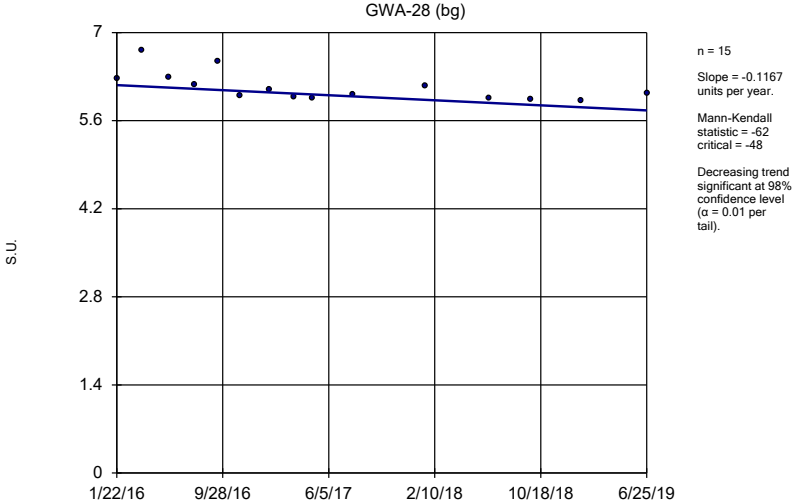
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

pH

GWA-28 (bg)



n = 15

Slope = -0.1167 units per year.

Mann-Kendall statistic = -62 critical = -48

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

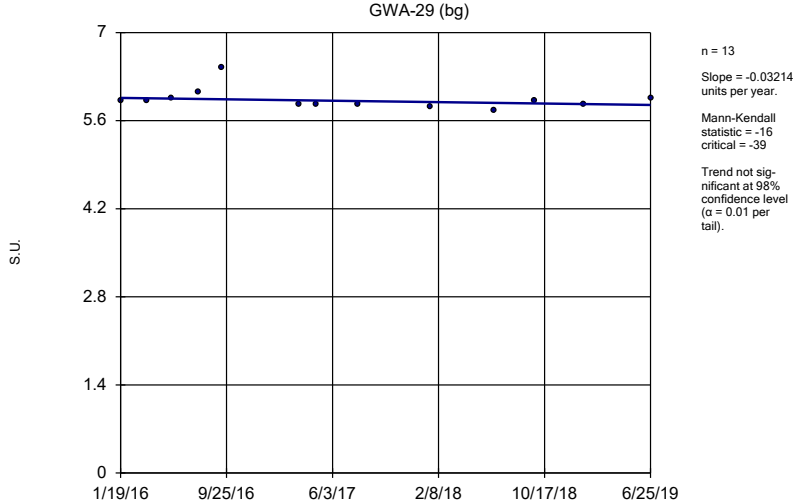
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

pH

GWA-29 (bg)



n = 13

Slope = -0.03214 units per year.

Mann-Kendall statistic = -16 critical = -39

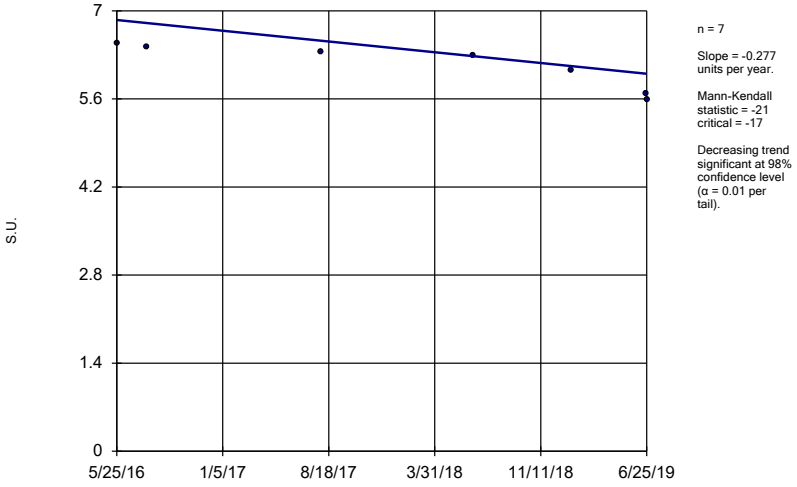
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

pH

GWA-3 (bg)



n = 7

Slope = -0.277 units per year.

Mann-Kendall statistic = -21 critical = -17

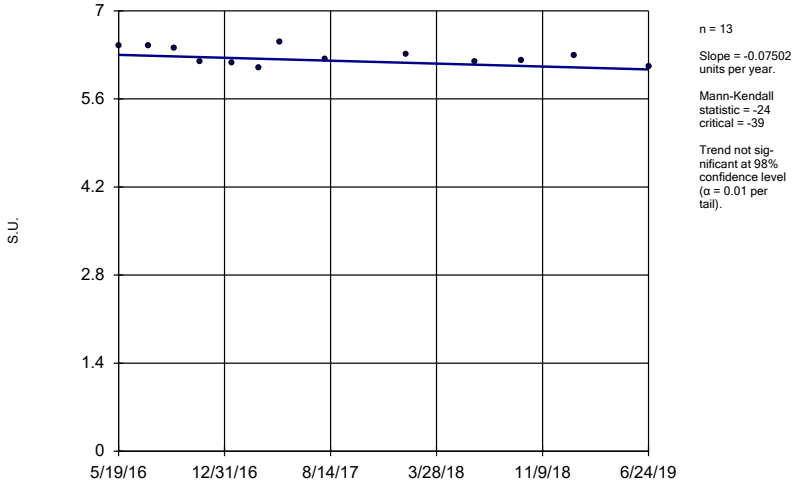
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

pH

GWA-4 (bg)



n = 13

Slope = -0.07502 units per year.

Mann-Kendall statistic = -24 critical = -39

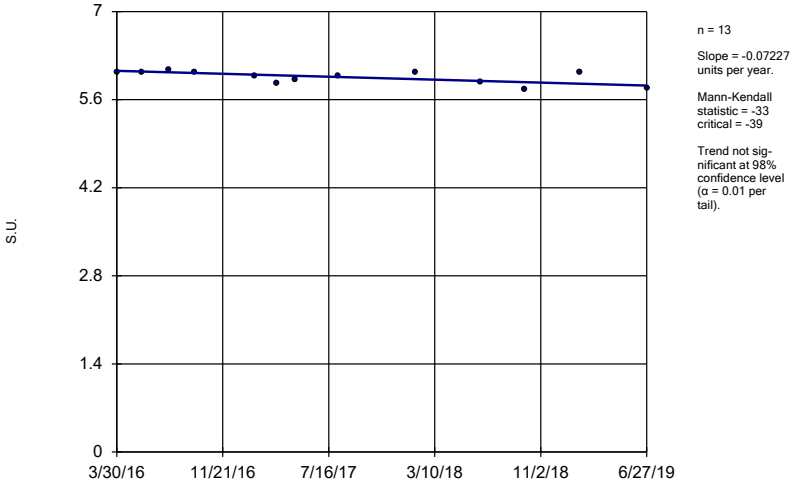
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

pH

GWC-18



n = 13

Slope = -0.07227 units per year.

Mann-Kendall statistic = -33 critical = -39

Trend not significant at 98% confidence level (α = 0.01 per tail).

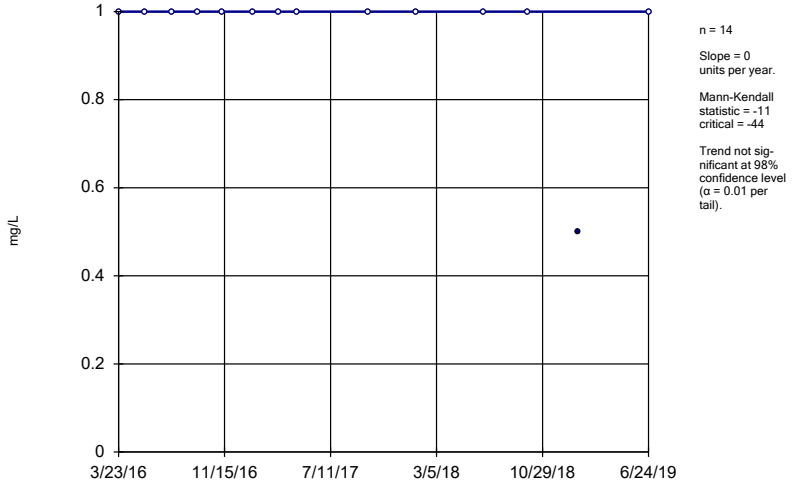
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Sulfate

GWA-1 (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = -11 critical = -44

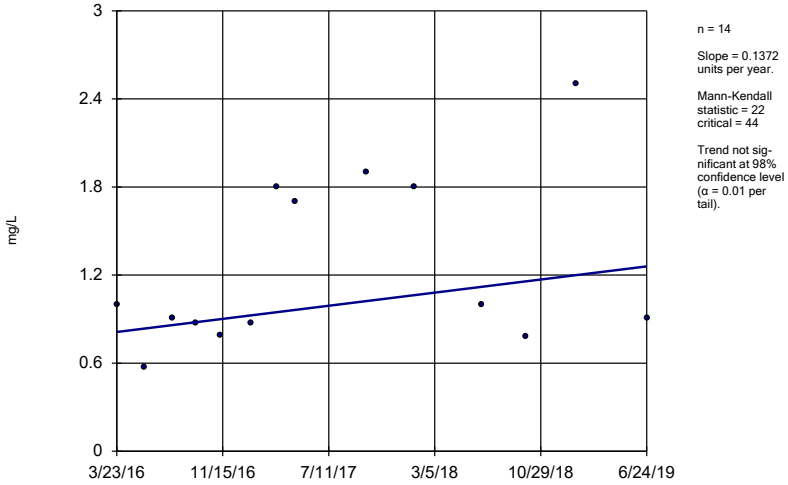
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sulfate

GWA-2 (bg)



n = 14

Slope = 0.1372 units per year.

Mann-Kendall statistic = 22 critical = 44

Trend not significant at 98% confidence level (α = 0.01 per tail).

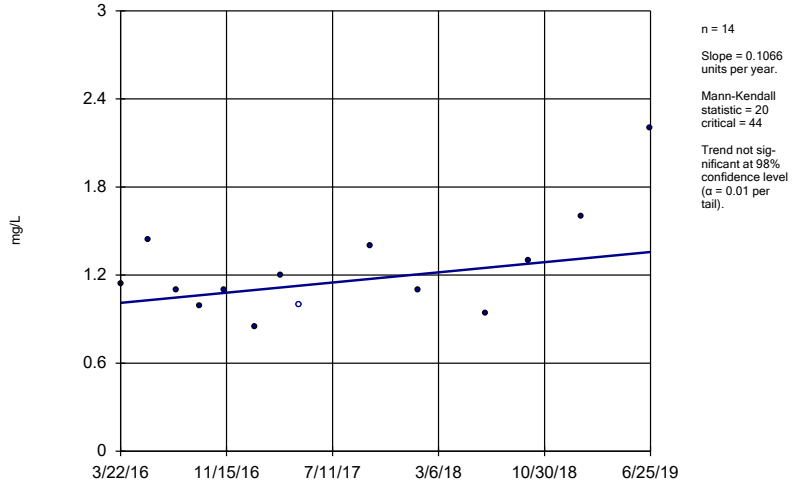
Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Sulfate

GWA-28 (bg)



n = 14

Slope = 0.1066 units per year.

Mann-Kendall statistic = 20 critical = 44

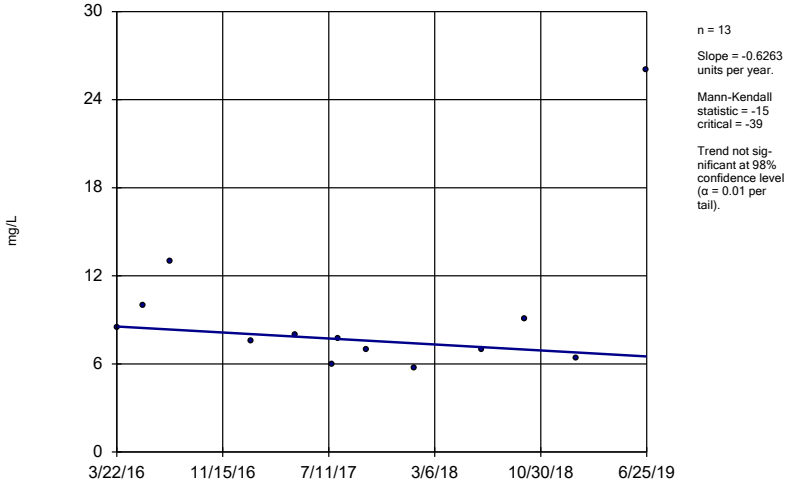
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:29 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sulfate

GWA-29 (bg)



n = 13

Slope = -0.6263 units per year.

Mann-Kendall statistic = -15 critical = -39

Trend not significant at 98% confidence level (α = 0.01 per tail).

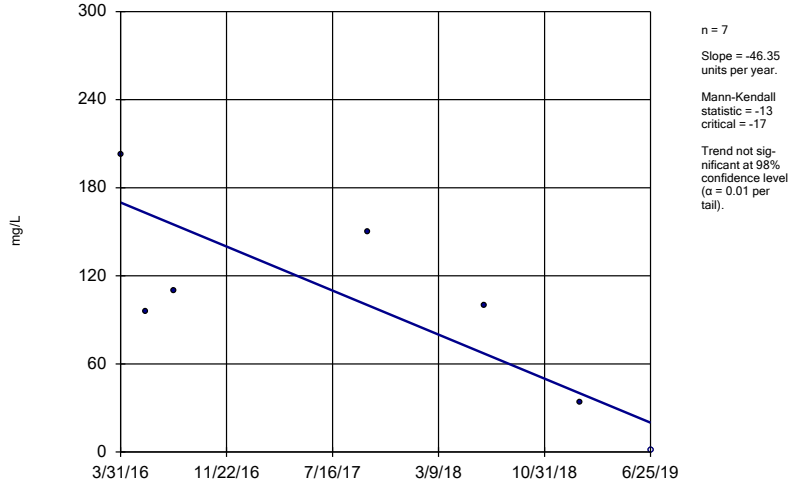
Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Sulfate

GWA-3 (bg)



n = 7

Slope = -46.35 units per year.

Mann-Kendall statistic = -13 critical = -17

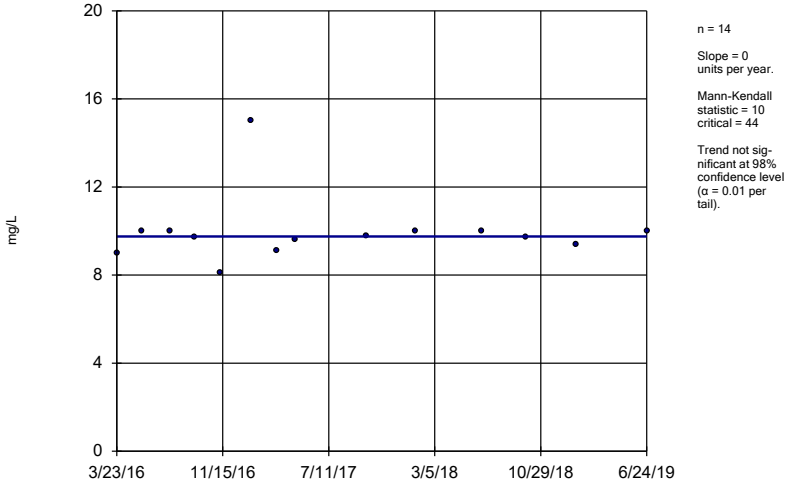
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sulfate

GWA-4 (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = 10 critical = 44

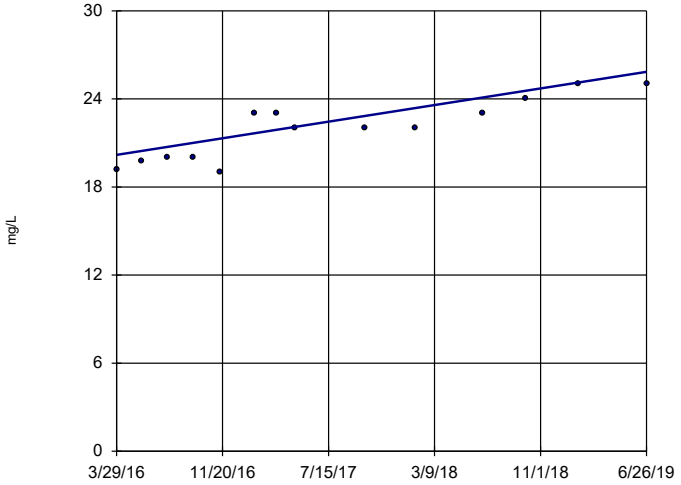
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sulfate

GWC-12



n = 14

Slope = 1.741 units per year.

Mann-Kendall statistic = 63 critical = 44

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

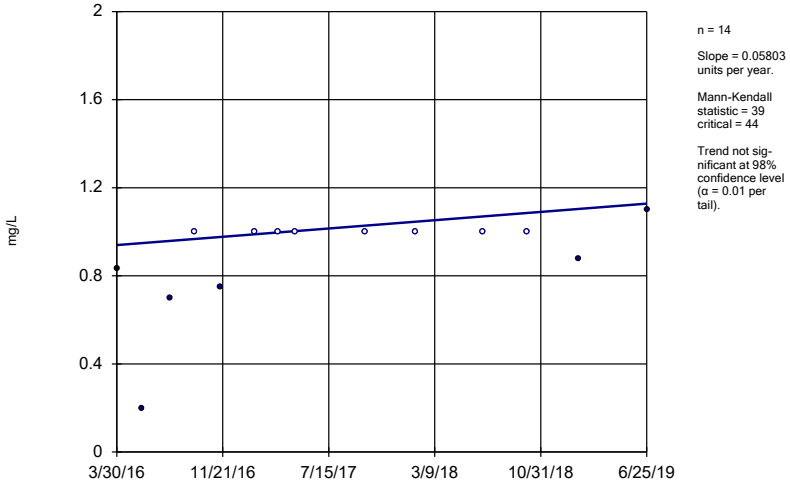
Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Sulfate

GWC-17



n = 14

Slope = 0.05803 units per year.

Mann-Kendall statistic = 39 critical = 44

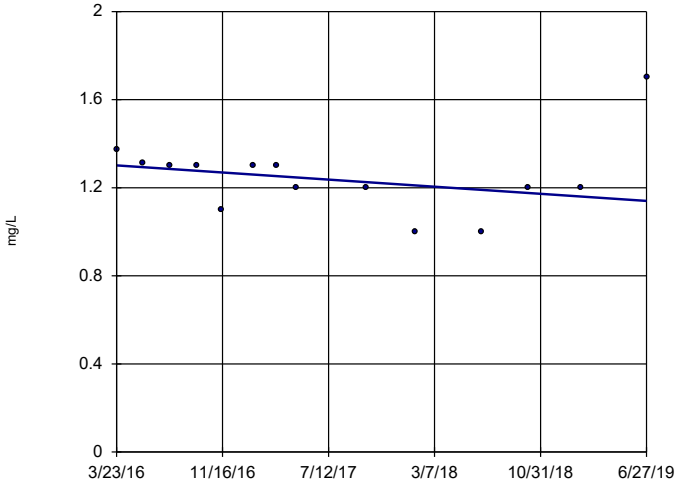
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sulfate

GWC-30



n = 14

Slope = -0.04959 units per year.

Mann-Kendall statistic = -32 critical = -44

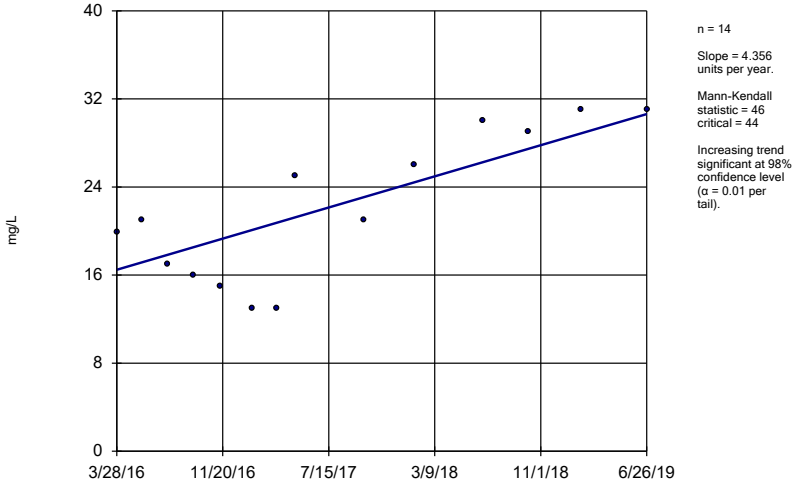
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sulfate

GWC-5



n = 14

Slope = 4.356 units per year.

Mann-Kendall statistic = 46
critical = 44

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

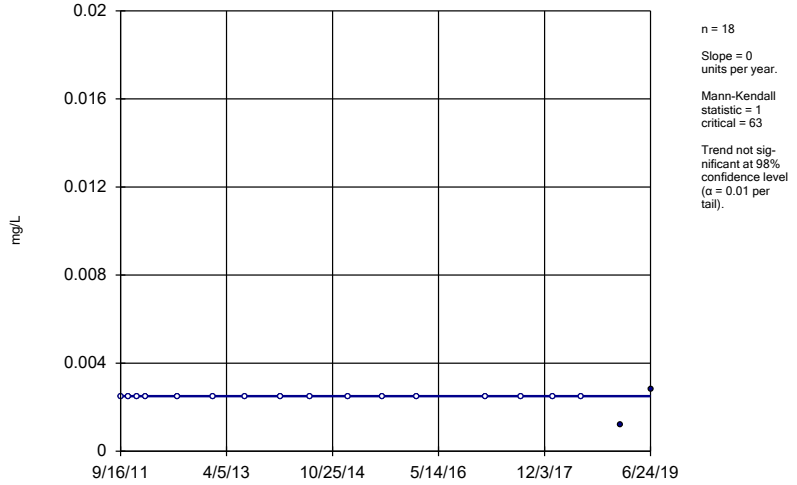
Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Vanadium

GWA-1 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 1
critical = 63

Trend not significant at 98% confidence level (α = 0.01 per tail).

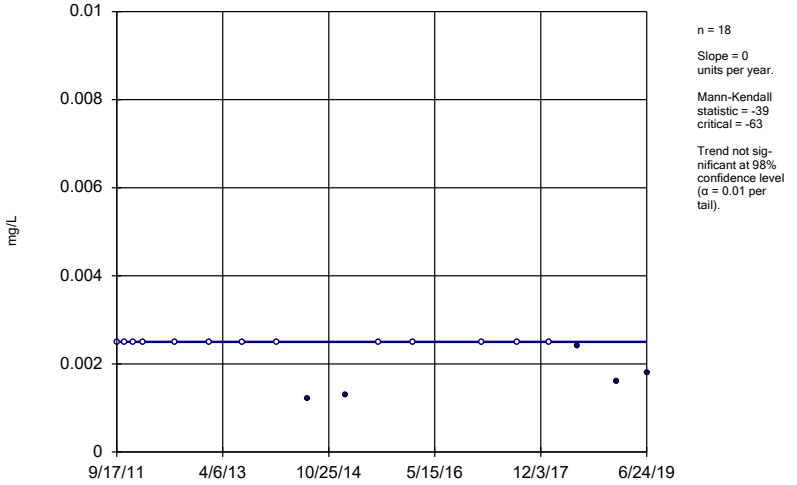
Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Vanadium

GWA-2 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -39
critical = -63

Trend not significant at 98% confidence level (α = 0.01 per tail).

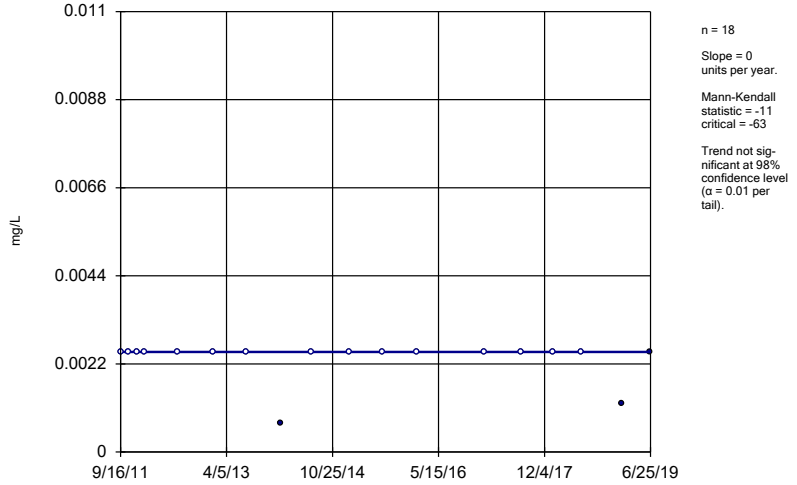
Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Vanadium

GWA-28 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -11
critical = -63

Trend not significant at 98% confidence level (α = 0.01 per tail).

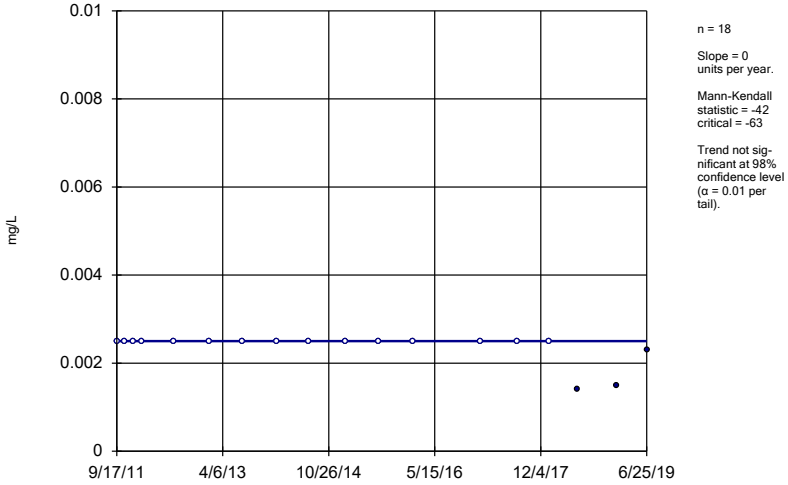
Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Vanadium

GWA-29 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -42
critical = -63

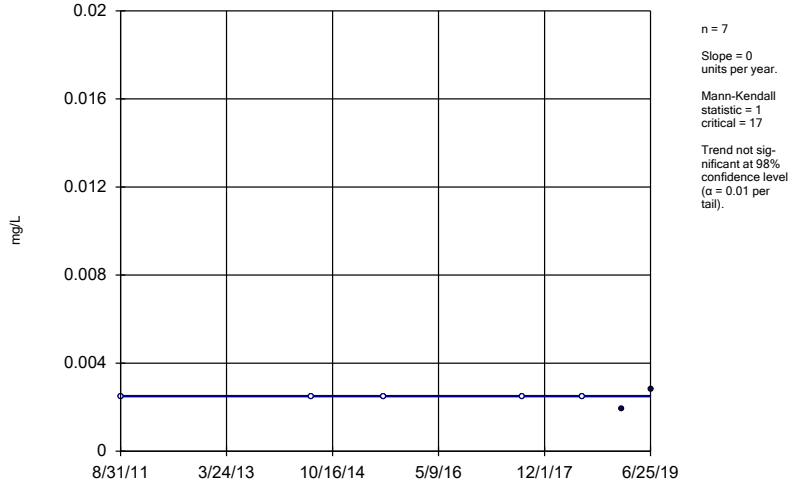
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Vanadium

GWA-3 (bg)



n = 7

Slope = 0 units per year.

Mann-Kendall statistic = 1
critical = 17

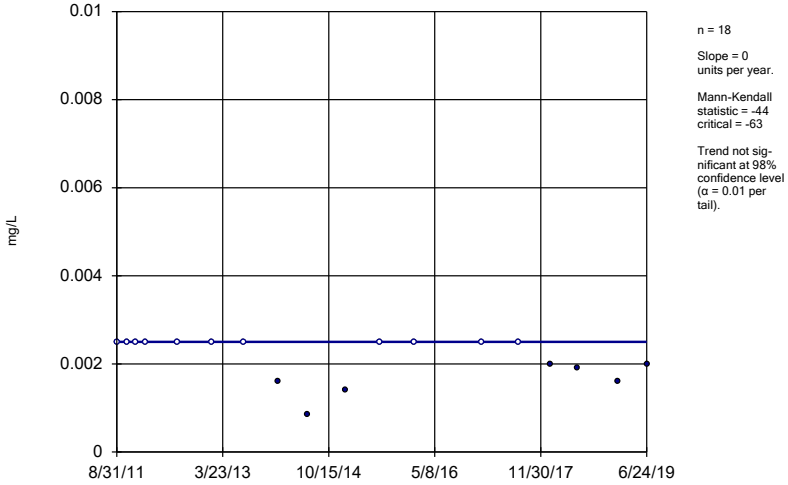
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Vanadium

GWA-4 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = -44
critical = -63

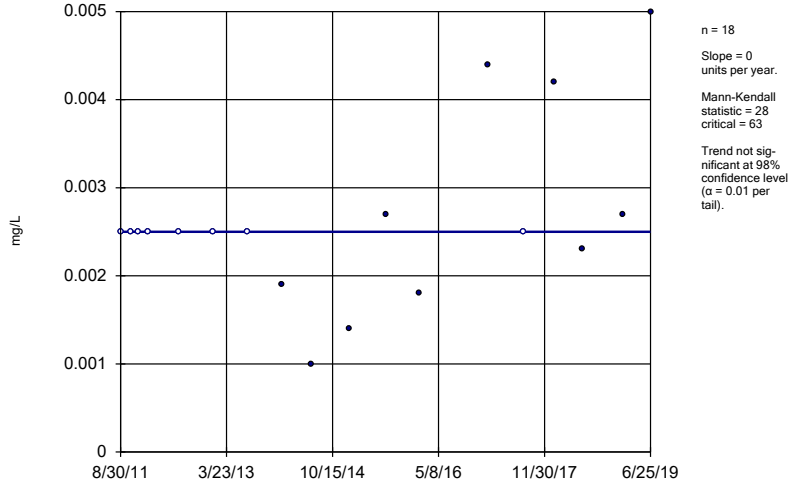
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Vanadium

GWC-17



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 28
critical = 63

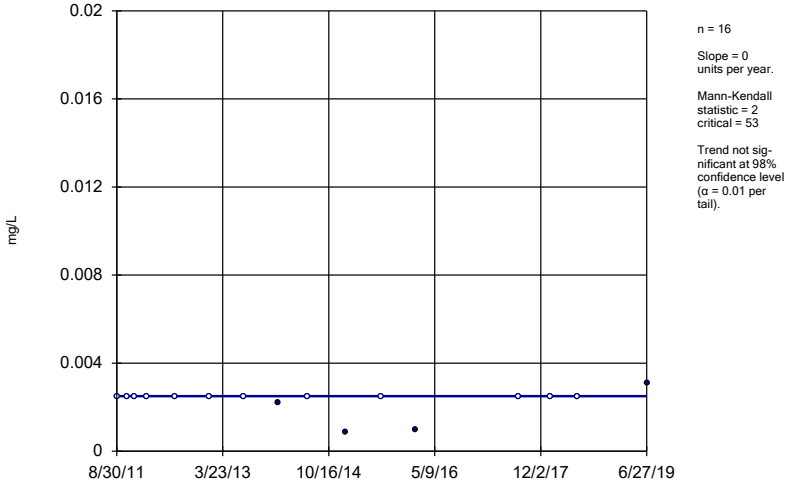
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Vanadium

GWC-18



n = 16

Slope = 0 units per year.

Mann-Kendall statistic = 2 critical = 53

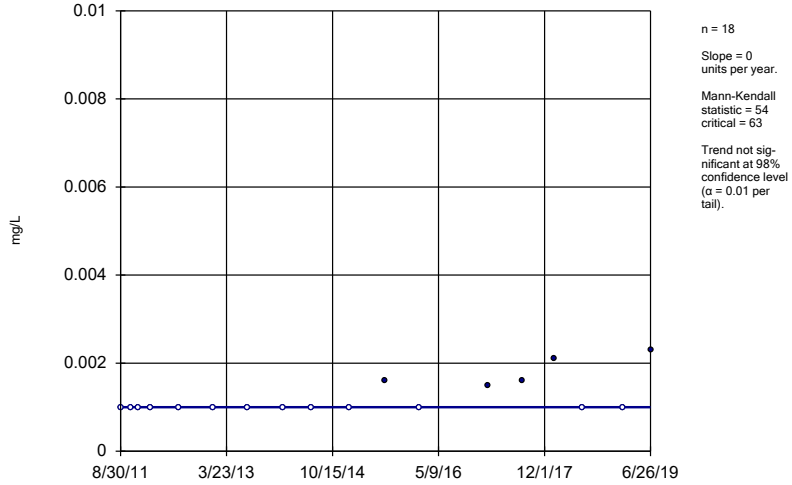
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Vanadium

GWC-19



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 54 critical = 63

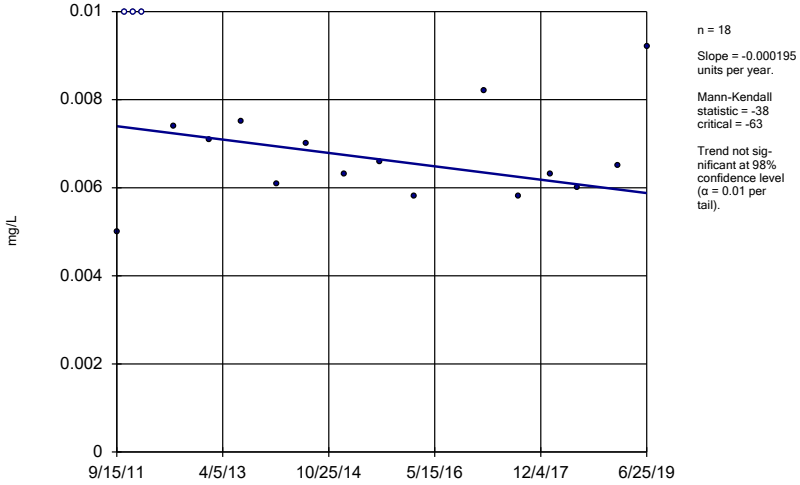
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Vanadium

GWC-22



n = 18

Slope = -0.000195 units per year.

Mann-Kendall statistic = -38 critical = -63

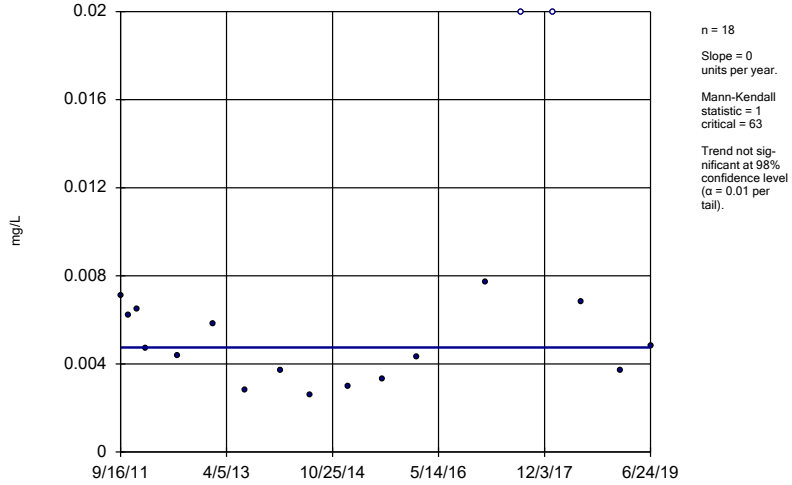
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Zinc

GWA-1 (bg)



n = 18

Slope = 0 units per year.

Mann-Kendall statistic = 1 critical = 63

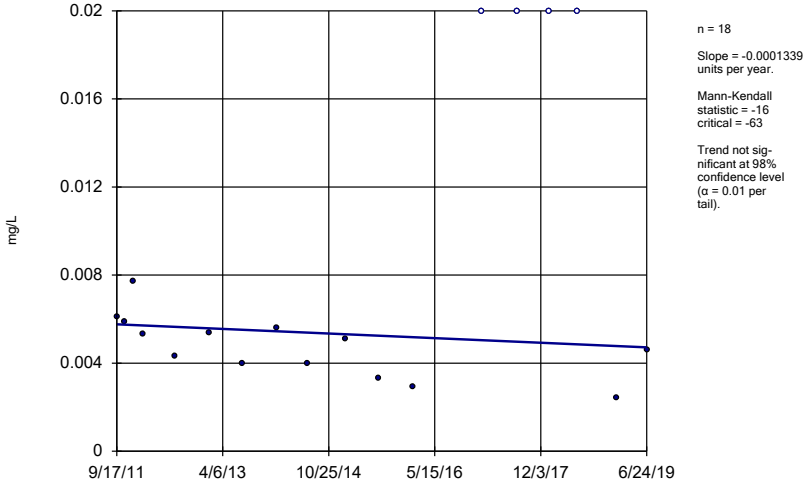
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Zinc

GWA-2 (bg)



n = 18

Slope = -0.0001339 units per year.

Mann-Kendall statistic = -16
critical = -63

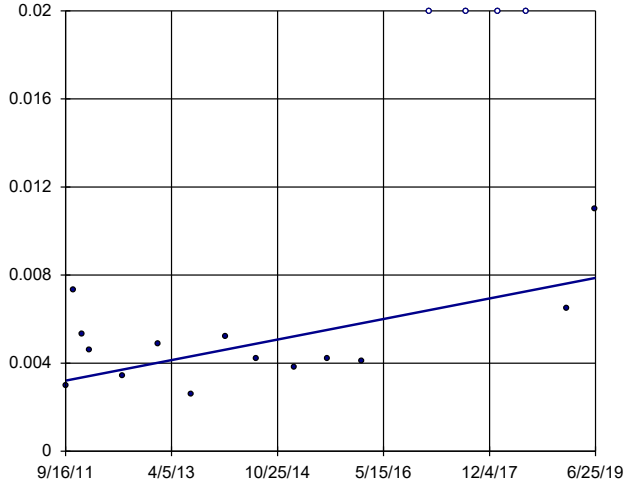
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Zinc

GWA-28 (bg)



n = 18

Slope = 0.0005997 units per year.

Mann-Kendall statistic = 50
critical = 63

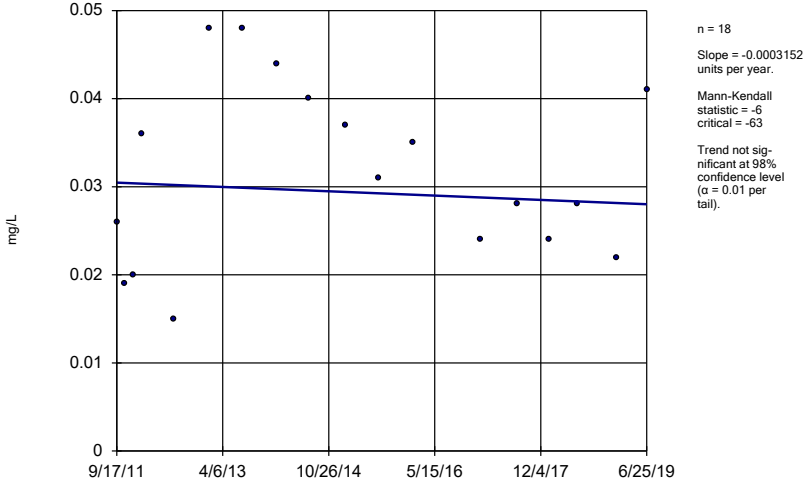
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

Zinc

GWA-29 (bg)



n = 18

Slope = -0.0003152 units per year.

Mann-Kendall statistic = -6
critical = -63

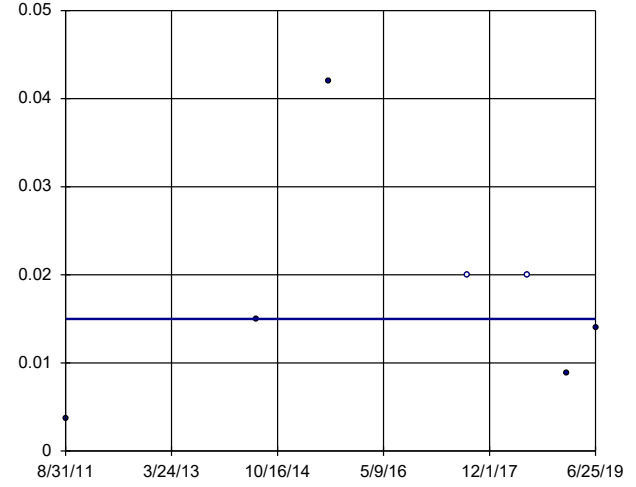
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Zinc

GWA-3 (bg)



n = 7

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 17

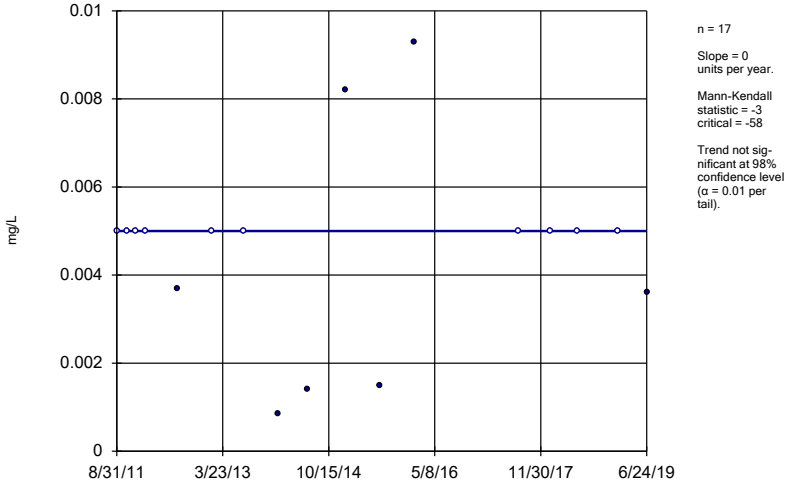
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Zinc

GWA-4 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = -3
critical = -58

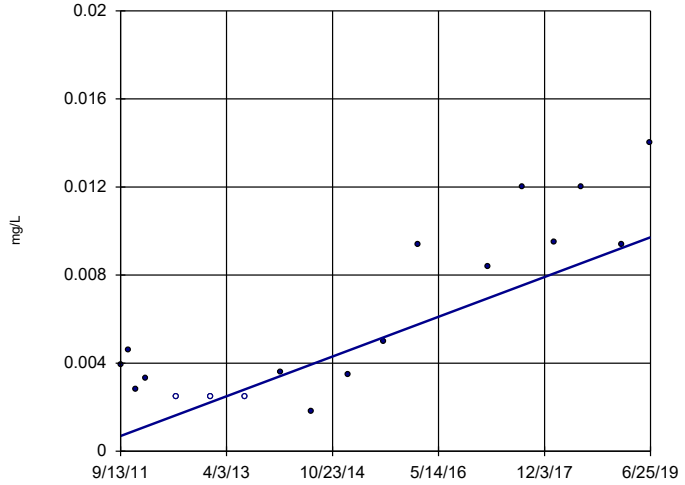
Trend not significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Zinc

GWC-14



n = 18

Slope = 0.001159 units per year.

Mann-Kendall statistic = 80
critical = 63

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Sen's Slope Estimator Analysis Run 8/9/2019 3:30 PM View: State Trend Test
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sen's Slope Estimator

Constituent: Barium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)
9/16/2011	0.013		0.0022	
9/17/2011		0.011		0.0016
10/27/2011	0.012	0.013		
10/28/2011			0.0016	0.0015
12/12/2011			0.0018	0.0013
12/13/2011	0.012			
12/14/2011		0.01		
1/25/2012			<0.01	
1/31/2012	0.011			<0.01
2/7/2012		0.014		
7/16/2012			0.0011	
7/17/2012				0.0016
7/18/2012	0.012			
7/23/2012		0.014		
1/23/2013		0.02		
1/24/2013	0.012		<0.01	0.0013
7/17/2013	0.0097			
7/23/2013			<0.01	
7/24/2013		0.016		0.0022
1/21/2014	0.0096			
1/22/2014		0.017	0.0013	0.0012 (J)
6/25/2014	0.0094			
7/1/2014		0.015	0.0012 (J)	
7/8/2014				0.0013 (D)
1/14/2015	0.0095			
1/21/2015			0.00042 (J)	0.0015
1/22/2015		0.019		
7/21/2015	0.0099		0.00055 (J)	
7/22/2015		0.014		0.0014
1/19/2016				0.00092 (JD)
1/20/2016		0.016		
1/21/2016	0.011			
1/22/2016			0.00037 (J)	
3/22/2016			<0.01	<0.01
3/23/2016	0.00968 (J)	0.00773 (J)		
5/19/2016				0.00265 (J)
5/20/2016	0.0096 (J)			
5/23/2016			<0.01	
5/24/2016		0.00761 (J)		
7/21/2016	0.0087			0.0038
7/25/2016			0.001 (J)	
7/26/2016		0.0078		
9/15/2016	0.0086		0.00092 (J)	
9/16/2016		0.017		
11/9/2016			0.0016 (J)	
11/10/2016		0.016		
11/11/2016	0.0095			
1/17/2017			<0.01	0.0011 (J)
1/19/2017	0.0087	0.02		
3/16/2017	0.01		0.00055 (J)	
3/17/2017		0.016		
4/27/2017			<0.01	0.00097 (J)

Sen's Slope Estimator

Constituent: Barium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)
4/28/2017	0.0091	0.016		
7/18/2017				0.0016 (J)
8/1/2017			0.00059 (J)	0.0011 (J)
8/2/2017		0.014		
8/3/2017	0.0099			
1/19/2018	0.0089	0.014	<0.01	0.00076 (J)
6/19/2018	0.012	0.015	<0.01	0.00078 (J)
1/17/2019	0.01	0.01		
1/18/2019				0.0007 (J)
1/21/2019			0.00088	
6/24/2019	0.0096 (J)	0.011		
6/25/2019			<0.01	<0.01

Sen's Slope Estimator

Constituent: Barium, Beryllium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3 (bg)	GWA-4 (bg)	GWC-21	GWA-1 (bg)
8/31/2011	0.1	0.092	0.015	
9/16/2011				<0.0025
10/27/2011		0.061	0.01	<0.0025
12/4/2011			0.011	
12/13/2011				<0.0025
12/14/2011		0.1		
1/31/2012				<0.0025
2/1/2012		0.087		
2/8/2012			0.013	
7/17/2012			0.013	
7/18/2012				<0.0025
7/23/2012		0.13		
1/9/2013			0.013	
1/23/2013		0.11		
1/24/2013				<0.0025
7/16/2013			0.023	
7/17/2013		0.087		<0.0025
1/15/2014		0.081		
1/21/2014			0.026	<0.0025
6/24/2014			0.027	
6/25/2014	0.048	0.081		<0.0025
1/13/2015			0.024	
1/14/2015		0.13		<0.0025
7/21/2015	0.036	0.11		<0.0025
7/23/2015			0.024	
1/20/2016		0.086		
1/21/2016				7.5E-05 (J)
1/26/2016			0.026	
3/23/2016		0.112		<0.0025
3/30/2016			0.0293	
3/31/2016	0.027			
5/19/2016		0.11		
5/20/2016				<0.0025
5/25/2016	0.027			
5/26/2016			0.0237	
7/21/2016		0.14		<0.0025
7/26/2016			0.016	
7/27/2016	0.029			
9/14/2016		0.15		
9/15/2016				<0.0025
9/20/2016			0.014	
11/10/2016		0.17		
11/11/2016				<0.0025
11/17/2016			0.012	
1/17/2017		0.18		
1/19/2017				<0.0025
2/2/2017			0.014	
3/16/2017		0.15		<0.0025
3/28/2017			0.021	
4/27/2017		0.13		
4/28/2017				<0.0025
5/4/2017			0.02	

Sen's Slope Estimator

Constituent: Barium, Beryllium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3 (bg)	GWA-4 (bg)	GWC-21	GWA-1 (bg)
8/1/2017	0.03			
8/2/2017		0.15		
8/3/2017				<0.0025
8/7/2017			0.027	
10/3/2017	0.038			
1/19/2018				<0.0025
1/22/2018		0.15		
1/26/2018			0.032	
6/19/2018		0.13		<0.0025
6/20/2018	0.029		0.033	
1/17/2019		0.12		7.4E-05 (J)
1/18/2019	0.033			
1/24/2019			0.046	
6/24/2019		0.12		0.00029 (J)
6/25/2019	0.082		0.046	

Sen's Slope Estimator

Constituent: Beryllium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)
8/31/2011				<0.001
9/16/2011		<0.0025		
9/17/2011	<0.0025		<0.0013	
10/27/2011	<0.0025			
10/28/2011		<0.0025	<0.0013	
12/12/2011		<0.0025	0.0015	
12/14/2011	<0.0025			
1/25/2012		<0.0025		
1/31/2012			0.0016	
2/7/2012	<0.0025			
7/16/2012		<0.0025		
7/17/2012			0.002	
7/23/2012	<0.0025			
1/23/2013	<0.0025			
1/24/2013		<0.0025	0.0025	
7/23/2013		<0.0025		
7/24/2013	<0.0025		0.0027	
1/22/2014	<0.0025	0.00034 (J)	0.002	
6/25/2014				<0.001
7/1/2014	<0.0025	0.00039 (J)		
7/8/2014			0.0024 (D)	
1/21/2015		0.0005 (J)	0.0026	
1/22/2015	0.00011 (J)			
7/21/2015		0.00042 (J)		<0.001
7/22/2015	<0.0025		0.0024	
1/19/2016			0.0024 (D)	
1/20/2016	0.00012 (J)			
1/22/2016		0.00044 (J)		
3/22/2016		<0.0025	0.00194 (J)	
3/23/2016	<0.0025			
3/31/2016				<0.001
5/19/2016			0.00188 (J)	
5/23/2016		<0.0025		
5/24/2016	<0.0025			
5/25/2016				<0.001
7/21/2016			0.0021 (J)	
7/25/2016		0.00037 (J)		
7/26/2016	<0.0025			
7/27/2016				<0.001
9/15/2016		0.00039 (J)		
9/16/2016	<0.0025			
11/9/2016		0.00041 (J)		
11/10/2016	<0.0025			
1/17/2017		0.0004 (J)	0.0024 (J)	
1/19/2017	<0.0025			
3/16/2017		<0.0025		
3/17/2017	<0.0025			
4/27/2017		0.00042 (J)	0.0019 (J)	
4/28/2017	<0.0025			
7/18/2017			0.0018 (J)	
8/1/2017		0.0004 (J)	0.0019 (J)	<0.001
8/2/2017	<0.0025			

Sen's Slope Estimator

Constituent: Beryllium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)
10/3/2017				<0.001
1/19/2018	<0.0025	0.00045 (J)	0.0018 (J)	
6/19/2018	<0.0025	0.00038 (J)	0.0021 (J)	
6/20/2018				<0.001
1/17/2019	<0.0025			
1/18/2019			0.0021 (J)	<0.001
1/21/2019		0.00041 (J)		
6/24/2019	0.00023 (J)			
6/25/2019		0.00039 (J)	0.0023	<0.001

Sen's Slope Estimator

Constituent: Beryllium, Boron Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWC-32	GWA-1 (bg)	GWA-2 (bg)
8/31/2011	<0.001			
9/15/2011		<0.0013		
10/27/2011	<0.001			
10/31/2011		<0.0013		
12/13/2011		<0.0013		
12/14/2011	<0.001			
2/1/2012	<0.001	<0.0013		
7/17/2012		<0.0013		
7/23/2012	<0.001			
1/23/2013	<0.001	<0.0013		
7/17/2013	<0.001			
7/24/2013		<0.0013		
1/15/2014	<0.001			
1/23/2014		0.00068 (J)		
6/25/2014	<0.001			
7/1/2014		0.00062 (J)		
1/14/2015	<0.001			
1/20/2015		0.00066 (J)		
7/21/2015	<0.001			
7/30/2015		0.001 (J)		
1/20/2016	<0.001			
1/25/2016		0.00066 (J)		
3/23/2016	<0.001	0.000735 (J)	<0.05	<0.08
5/19/2016	<0.001			
5/20/2016			<0.05	
5/24/2016		0.00134 (J)		<0.08
7/21/2016	<0.001		<0.05	
7/22/2016		0.0012 (J)		
7/26/2016				<0.08
9/14/2016	<0.001			
9/15/2016			<0.05	
9/16/2016		0.0015 (J)		<0.08
11/10/2016	<0.001			<0.08
11/11/2016			<0.05	
11/15/2016		0.0015 (J)		
1/17/2017	<0.001			
1/19/2017			<0.05	<0.08
1/26/2017		0.001 (J)		
3/16/2017	<0.001		<0.05	
3/17/2017				<0.08
3/24/2017		0.0016 (J)		
4/27/2017	<0.001			
4/28/2017			<0.05	<0.08
5/2/2017		0.0012 (J)		
8/2/2017	<0.001			
8/3/2017		0.0018 (J)		
10/3/2017				<0.08
10/4/2017			<0.05	
1/19/2018			<0.05	<0.08
1/22/2018	<0.001			
1/23/2018		0.0018 (J)		
6/19/2018	<0.001		<0.05	<0.08

Sen's Slope Estimator

Constituent: Beryllium, Boron Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWC-32	GWA-1 (bg)	GWA-2 (bg)
6/26/2018		0.0015 (J)		
9/25/2018			<0.05	<0.08
1/17/2019	<0.001		<0.05	<0.08
1/30/2019		0.0016 (J)		
6/24/2019	<0.001		0.034 (J)	<0.08
6/27/2019		0.0017		

Sen's Slope Estimator

Constituent: Boron Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)
3/22/2016	<0.08	<0.08		
3/23/2016				<0.08
3/31/2016			<0.08	
5/19/2016		<0.08		<0.08
5/23/2016	<0.08			
5/25/2016			<0.08	
7/21/2016		<0.08		<0.08
7/25/2016	<0.08			
7/27/2016			<0.08	
9/14/2016				<0.08
9/15/2016	<0.08			
11/9/2016	<0.08			
11/10/2016				<0.08
1/17/2017	<0.08	<0.08		<0.08
3/16/2017	<0.08			<0.08
4/27/2017	<0.08	<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
1/19/2018	<0.08	<0.08		
1/22/2018				<0.08
6/19/2018	<0.08	<0.08		<0.08
6/20/2018			<0.08	
9/25/2018	<0.08	<0.08		<0.08
1/17/2019				<0.08
1/18/2019		<0.08	<0.08	
1/21/2019	<0.08			
6/24/2019				<0.08
6/25/2019	<0.08	<0.08	<0.08	

Sen's Slope Estimator

Constituent: Boron, Chloride Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)
3/22/2016				1.3716
3/23/2016		1.8057	2.5102	
3/30/2016	0.291			
5/20/2016		1.84		
5/23/2016				1.33
5/24/2016			4.52	
5/25/2016	0.443			
7/21/2016		1.9		
7/25/2016				1.4
7/26/2016	1.1		4	
9/15/2016	0.61	1.8		1.3
9/16/2016			4.1	
11/9/2016				1.4
11/10/2016			4.6	
11/11/2016		1.8		
11/17/2016	1			
1/17/2017				1.3
1/19/2017		1.8	5.6	
2/1/2017	0.29			
3/16/2017		1.7		1.2
3/17/2017			4.4	
3/23/2017	0.44			
4/27/2017				1.2
4/28/2017		1.7	4.7	
5/3/2017	0.44			
10/3/2017			4.7	1.2
10/4/2017	0.95	1.7		
1/19/2018		1.6	4.3	1.1
1/25/2018	0.43			
6/19/2018		1.7	3.6	1.2
6/20/2018	1.2			
9/25/2018		1.7	4.9	1.2
10/1/2018	0.57			
1/17/2019		1.8	3.7	
1/21/2019				1.2
1/22/2019	0.63			
6/24/2019		1.7	6.1	
6/25/2019	0.71			1.3

Sen's Slope Estimator

Constituent: Chloride Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-14
3/22/2016	1.5096			
3/23/2016			9.041	
3/30/2016				49.11
3/31/2016		8.3045		
5/19/2016	1.51		13.1	
5/25/2016		10.1		65.8
7/21/2016	1.6		17	
7/26/2016				64
7/27/2016		10		
9/14/2016			17	
9/15/2016				110
11/10/2016			23	
11/17/2016				180
1/17/2017	1.3		14	
2/1/2017				46
3/16/2017			16	
3/23/2017				68
4/27/2017	1.4		15	
5/3/2017				49
7/18/2017	1.2			
8/1/2017	1.3			
10/3/2017	1.2	9.5	17	
10/4/2017				160
1/19/2018	1			
1/22/2018			15	
1/25/2018				52
6/19/2018	1.2		12	
6/20/2018		12		150
9/25/2018	1.2		17	
10/1/2018				74
1/17/2019			11	
1/18/2019	1.3	19		
1/22/2019				80
6/24/2019			11	
6/25/2019	24	<1		82

Sen's Slope Estimator

Constituent: Chromium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)
9/16/2011	0.0015		<0.0025	
9/17/2011		<0.0025		<0.0025
10/27/2011	<0.0025	<0.0025		
10/28/2011			<0.0025	<0.0025
12/12/2011			<0.0025	<0.0025
12/13/2011	<0.0025			
12/14/2011		<0.0025		
1/25/2012			<0.0025	
1/31/2012	<0.0025			<0.0025
2/7/2012		<0.0025		
7/16/2012			<0.0025	
7/17/2012				<0.0025
7/18/2012	<0.0025			
7/23/2012		<0.0025		
1/23/2013		<0.0025		
1/24/2013	<0.0025		<0.0025	<0.0025
7/17/2013	<0.0025			
7/23/2013			<0.0025	
7/24/2013		<0.0025		0.0013
1/21/2014	<0.0025			
1/22/2014		<0.0025	0.002	<0.0025
6/25/2014	<0.0025			
7/1/2014		<0.0025	<0.0025	
7/8/2014				<0.0025 (D)
1/14/2015	<0.0025			
1/21/2015			<0.0025	<0.0025
1/22/2015		<0.0025		
7/21/2015	<0.0025		<0.0025	
7/22/2015		<0.0025		<0.0025
1/19/2016				<0.0025 (D)
1/20/2016		<0.0025		
1/21/2016	<0.0025			
1/22/2016			<0.0025	
3/22/2016			<0.0025	<0.0025
3/23/2016	<0.0025	<0.0025		
5/19/2016				0.00684 (J)
5/20/2016	<0.0025			
5/23/2016			<0.0025	
5/24/2016		<0.0025		
7/21/2016	<0.0025			<0.0025
7/25/2016			<0.0025	
7/26/2016		<0.0025		
9/15/2016	<0.0025		0.0082	
9/16/2016		0.0019 (J)		
11/9/2016			0.0044	
11/10/2016		<0.0025		
11/11/2016	<0.0025			
1/17/2017			<0.0025	<0.0025
1/19/2017	<0.0025	<0.0025		
3/16/2017	<0.0025		<0.0025	
3/17/2017		<0.0025		
4/27/2017			<0.0025	<0.0025

Sen's Slope Estimator

Constituent: Chromium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)
4/28/2017	<0.0025	<0.0025		
7/18/2017				<0.0025
8/1/2017			<0.0025	0.0015 (J)
8/2/2017		<0.0025		
8/3/2017	<0.0025			
1/19/2018	<0.0025	<0.0025	<0.0025	<0.0025
6/19/2018	<0.0025	0.0011 (J)	<0.0025	<0.0025
1/17/2019	0.0012 (J)	0.0016 (J)		
1/18/2019				0.002 (J)
1/21/2019			0.0014 (J)	
6/24/2019	0.0042	0.0022		
6/25/2019			0.0024	0.003

Sen's Slope Estimator

Constituent: Chromium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3 (bg)	GWA-4 (bg)	GWC-16	GWC-17
8/30/2011			0.0028	0.0014
8/31/2011	<0.0025	0.0014		
10/26/2011			0.0023	<0.0025
10/27/2011		<0.0025		
12/3/2011				<0.0025
12/14/2011		<0.0025		
1/25/2012				<0.0025
2/1/2012		<0.0025		
7/11/2012			0.0022	<0.0025
7/23/2012		0.0014		
1/8/2013			0.0023	<0.0025
1/23/2013		<0.0025		
7/2/2013			0.0024	
7/16/2013				<0.0025
7/17/2013		<0.0025		
1/14/2014			0.0023	<0.0025
1/15/2014		<0.0025		
6/25/2014	<0.0025	<0.0025	0.0024	<0.0025
1/13/2015			0.0024	
1/14/2015		<0.0025		<0.0025
7/21/2015	<0.0025	<0.0025		
7/22/2015			0.0023	
7/28/2015				<0.0025
1/20/2016		<0.0025		
1/27/2016			0.0022	<0.0025
3/23/2016		<0.0025		
3/30/2016			0.00261 (J)	<0.0025
3/31/2016	<0.0025			
5/19/2016		<0.0025		
5/25/2016	<0.0025		0.00238 (J)	<0.0025
7/21/2016		<0.0025		
7/27/2016	<0.0025		0.0025	<0.0025
9/14/2016		<0.0025		
9/16/2016			0.0023 (J)	
9/19/2016				<0.0025
11/10/2016		<0.0025		
11/17/2016			0.0022 (J)	<0.0025
1/17/2017		<0.0025		
2/1/2017			0.0024 (J)	<0.0025
3/16/2017		<0.0025		
3/24/2017			0.0026	<0.0025
4/27/2017		<0.0025		
5/3/2017			0.0022 (J)	<0.0025
8/1/2017	<0.0025			
8/2/2017		<0.0025		
8/7/2017			0.0023 (J)	<0.0025
10/3/2017	0.0013 (J)			
1/22/2018		<0.0025		
1/25/2018			0.0023 (J)	<0.0025
6/19/2018		<0.0025		
6/20/2018	<0.0025		0.0025	
6/26/2018				<0.0025

Sen's Slope Estimator

Constituent: Chromium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3 (bg)	GWA-4 (bg)	GWC-16	GWC-17
1/17/2019		0.0013 (J)		
1/18/2019	0.0017 (J)			
1/24/2019				0.0014 (J)
6/24/2019		0.0022		
6/25/2019	0.0027		0.0045	0.0042

Sen's Slope Estimator

Constituent: Chromium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-24	GWC-26	GWC-5
8/31/2011				<0.0025
9/15/2011	<0.0025			
9/17/2011			0.0018	
10/27/2011				<0.0025
10/29/2011	<0.0025		<0.0025	
12/5/2011				<0.0025
12/13/2011	<0.0025			
12/14/2011			<0.0025	
1/25/2012	<0.0025			<0.0025
2/7/2012			<0.0025	
7/17/2012			<0.0025	
7/18/2012	0.0016			<0.0025
1/9/2013				<0.0025
1/22/2013	0.0019			
1/24/2013			<0.0025	
7/16/2013	<0.0025			
7/17/2013				<0.0025
7/24/2013			<0.0025	
1/15/2014				<0.0025
1/21/2014	<0.0025			
1/23/2014			<0.0025	
6/25/2014	0.0011 (J)			<0.0025
7/8/2014		<0.0025	<0.0025	
1/13/2015				0.0012 (J)
1/14/2015	<0.0025			
1/21/2015			<0.0025	
7/23/2015	0.0015			
7/24/2015				<0.0025
7/31/2015		<0.0025	<0.0025	
1/20/2016		<0.0025		<0.0025
1/25/2016			<0.0025	
1/26/2016	<0.0025			
3/24/2016			<0.0025	
3/28/2016				<0.0025
3/30/2016		<0.0025		
3/31/2016	<0.0025			
5/23/2016				<0.0025
5/25/2016		<0.0025	<0.0025	
5/26/2016	<0.0025			
7/21/2016				0.0011 (J)
7/26/2016	<0.0025		<0.0025	
7/27/2016		<0.0025		
9/15/2016				<0.0025
9/16/2016		<0.0025		
9/19/2016			<0.0025	
9/20/2016	0.0011 (J)			
11/14/2016			<0.0025	
11/15/2016				<0.0025
11/17/2016	<0.0025			
11/18/2016		<0.0025		
1/19/2017			<0.0025	
1/26/2017				0.0013 (J)

Sen's Slope Estimator

Constituent: Chromium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-24	GWC-26	GWC-5
2/3/2017	0.0011 (J)	0.0011 (J)		
3/16/2017			<0.0025	
3/28/2017	0.0027			
3/29/2017		<0.0025		
5/1/2017			<0.0025	
5/2/2017				<0.0025
5/3/2017	0.0018 (J)			
5/4/2017		<0.0025		
8/3/2017			<0.0025	<0.0025
8/8/2017	<0.0025	<0.0025		
1/22/2018			<0.0025	
1/23/2018				<0.0025
1/25/2018	<0.0025	<0.0025		
6/20/2018	0.0015 (J)			
6/25/2018				<0.0025
6/27/2018		<0.0025	<0.0025	
1/24/2019	0.0021 (J)		0.0018 (J)	
1/30/2019				0.0021 (J)
1/31/2019		0.0022 (J)		
6/25/2019	0.003		0.003	
6/26/2019		0.0027		0.0029

Sen's Slope Estimator

Constituent: Chromium, Cobalt Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-9	GWA-1 (bg)	GWA-2 (bg)
8/31/2011	<0.0025			
9/7/2011		0.0013		
9/16/2011			<0.0025	
9/17/2011				<0.0025
10/27/2011			<0.0025	<0.0025
10/30/2011		<0.0025		
12/4/2011		0.0021		
12/5/2011	<0.0025			
12/13/2011			<0.0025	
12/14/2011				<0.0025
1/19/2012		<0.0025		
1/25/2012	<0.0025			
1/31/2012			<0.0025	
2/7/2012				<0.0025
7/18/2012		<0.0025	<0.0025	
7/23/2012				<0.0025
7/24/2012	<0.0025			
1/8/2013	<0.0025	0.0019		
1/23/2013				<0.0025
1/24/2013			<0.0025	
7/9/2013	<0.0025	0.002		
7/17/2013			<0.0025	
7/24/2013				<0.0025
1/14/2014		<0.0025		
1/15/2014	<0.0025			
1/21/2014			<0.0025	
1/22/2014				<0.0025
6/24/2014		0.0029		
6/25/2014	<0.0025		<0.0025	
7/1/2014				0.00056 (J)
1/14/2015			0.00068 (J)	
1/20/2015	<0.0025	<0.0025		
1/22/2015				0.00067 (J)
7/21/2015			<0.0025	
7/22/2015				<0.0025
7/24/2015	<0.0025			
7/27/2015		0.0013		
1/20/2016	<0.0025			<0.0025
1/21/2016			<0.0025	
1/26/2016		<0.0025		
3/23/2016			<0.0025	<0.0025
3/28/2016	<0.0025			
3/29/2016		<0.0025		
5/20/2016			<0.0025	
5/24/2016	<0.0025	<0.0025		<0.0025
7/21/2016	<0.0025		<0.0025	
7/25/2016		<0.0025		
7/26/2016				<0.0025
9/15/2016	<0.0025		<0.0025	
9/16/2016				0.0011 (J)
9/19/2016		<0.0025		
11/10/2016				<0.0025

Sen's Slope Estimator

Constituent: Chromium, Cobalt Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-9	GWA-1 (bg)	GWA-2 (bg)
11/11/2016			<0.0025	
11/16/2016	<0.0025	<0.0025		
1/19/2017			<0.0025	<0.0025
1/26/2017	<0.0025			
1/31/2017		0.0015 (J)		
3/16/2017			<0.0025	
3/17/2017				<0.0025
3/22/2017	<0.0025			
3/23/2017		0.0021 (J)		
4/28/2017			0.00044 (J)	0.00045 (J)
5/2/2017	<0.0025	0.0016 (J)		
8/2/2017				<0.0025
8/3/2017	<0.0025		<0.0025	
8/7/2017		0.0024 (J)		
1/19/2018			<0.0025	<0.0025
1/23/2018	<0.0025			
1/24/2018		0.0019 (J)		
6/19/2018			<0.0025	0.00061 (J)
6/21/2018		0.0023 (J)		
6/25/2018	<0.0025			
1/17/2019			0.00033 (J)	0.00018 (J)
1/22/2019		0.0027		
1/30/2019	0.002 (J)			
6/24/2019			0.00019 (J)	0.00019 (J)
6/25/2019		0.0048		
6/26/2019	0.0027			

Sen's Slope Estimator

Constituent: Cobalt Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)
8/31/2011			0.0028	0.0028
9/16/2011	<0.0005			
9/17/2011		<0.0025		
10/27/2011				<0.0025
10/28/2011	<0.0005	<0.0025		
12/12/2011	<0.0005	<0.0025		
12/14/2011				<0.0025
1/25/2012	<0.0005			
1/31/2012		<0.0025		
2/1/2012				0.0027
7/16/2012	<0.0005			
7/17/2012		<0.0025		
7/23/2012				0.0073
1/23/2013				0.0029
1/24/2013	<0.0005	<0.0025		
7/17/2013				0.0033
7/23/2013	<0.0005			
7/24/2013		<0.0025		
1/15/2014				0.0076
1/22/2014	<0.0005	<0.0025		
6/25/2014			0.00075 (J)	0.0044
7/1/2014	<0.0005			
7/8/2014		<0.0025		
1/14/2015				0.015
1/21/2015	<0.0005	<0.0025		
7/21/2015	<0.0005		0.00066 (J)	0.0053
7/22/2015		<0.0025		
1/19/2016		<0.0025 (D)		
1/20/2016				0.0034
1/22/2016	<0.0005			
3/22/2016	<0.0005	<0.0025		
3/23/2016				0.00443 (J)
3/31/2016			<0.0025	
5/19/2016		<0.0025		0.00361 (J)
5/23/2016	<0.0005			
5/25/2016			<0.0025	
7/21/2016		<0.0025		0.0058
7/25/2016	<0.0005			
7/27/2016			<0.0025	
9/14/2016				0.0075
9/15/2016	<0.0005			
11/9/2016	<0.0005			
11/10/2016				0.01
1/17/2017	<0.0005	<0.0025		0.013
3/16/2017	<0.0005			0.0059
4/27/2017	<0.0005	<0.0025		0.0052
7/18/2017		<0.0025		
8/1/2017	<0.0005	<0.0025	<0.0025	
8/2/2017				0.005
10/3/2017			<0.0025	
1/19/2018	<0.0005	<0.0025		
1/22/2018				0.0046

Sen's Slope Estimator

Constituent: Cobalt Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)
6/19/2018	<0.0005	<0.0025		0.005
6/20/2018			<0.0025	
1/17/2019				0.0038
1/18/2019		<0.0025	0.00011 (J)	
1/21/2019	<0.0005			
6/24/2019				0.006
6/25/2019	<0.0005	0.00012 (J)	0.00042 (J)	

Sen's Slope Estimator

Constituent: Cobalt, Copper Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)
9/13/2011	<0.0013			
9/16/2011		<0.002		<0.002
9/17/2011			<0.002	
10/27/2011		<0.002	<0.002	
10/28/2011				<0.002
12/3/2011	0.0037			
12/12/2011				<0.002
12/13/2011		<0.002		
12/14/2011			<0.002	
1/24/2012	0.021			
1/25/2012				<0.002
1/31/2012		<0.002		
2/7/2012			<0.002	
7/11/2012	<0.0013			
7/16/2012				<0.002
7/18/2012		<0.002		
7/23/2012			<0.002	
1/8/2013	<0.0013			
1/23/2013			<0.002	
1/24/2013		<0.002		<0.002
7/10/2013	0.0014			
7/17/2013		<0.002		
7/23/2013				<0.002
7/24/2013			<0.002	
1/21/2014		<0.002		
1/22/2014			<0.002	0.0012 (J)
6/25/2014		<0.002		
7/1/2014	0.0011 (J)		0.0011 (J)	<0.002
1/14/2015	0.019	<0.002		
1/21/2015				<0.002
1/22/2015			<0.002	
7/21/2015		<0.002		<0.002
7/22/2015	0.016		0.0012 (J)	
1/20/2016			<0.002	
1/21/2016		<0.002		
1/22/2016				<0.002
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			
1/17/2017				<0.002
1/19/2017		<0.002	<0.002	
2/1/2017	0.2			
3/23/2017	0.14			
5/3/2017	0.23			
8/1/2017				<0.002
8/2/2017			<0.002	
8/3/2017		<0.002		
8/7/2017	0.026			

Sen's Slope Estimator

Constituent: Cobalt, Copper Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)
1/19/2018		<0.002	<0.002	<0.002
1/25/2018	0.23			
6/19/2018		<0.002	<0.002	<0.002
6/20/2018	0.048			
1/17/2019		<0.002	<0.002	
1/21/2019				<0.002
1/22/2019	0.22			
6/24/2019		<0.002	0.0011 (J)	
6/25/2019	0.23			<0.002

Sen's Slope Estimator

Constituent: Copper, Nickel Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWA-1 (bg)
8/31/2011		<0.002	<0.002	
9/16/2011				<0.0025
9/17/2011	<0.013			
10/27/2011			<0.002	<0.0025
10/28/2011	<0.013			
12/12/2011	<0.013			
12/13/2011				<0.0025
12/14/2011			<0.002	
1/31/2012	0.018			<0.0025
2/1/2012			<0.002	
7/17/2012	0.0066			
7/18/2012				<0.0025
7/23/2012			<0.002	
1/23/2013			<0.002	
1/24/2013	0.015			<0.0025
7/17/2013			<0.002	<0.0025
7/24/2013	0.015			
1/15/2014			<0.002	
1/21/2014				<0.0025
1/22/2014	0.015			
6/25/2014		0.0016 (J)	<0.002	<0.0025
7/8/2014	0.0081 (D)			
1/14/2015			<0.002	<0.0025
1/21/2015	0.0088			
7/21/2015		<0.002	<0.002	<0.0025
7/22/2015	0.0072			
1/19/2016	0.0083 (D)			
1/20/2016			<0.002	
1/21/2016				<0.0025
1/17/2017	0.0065		<0.002	
1/19/2017				<0.0025
8/1/2017	0.0044	<0.002		
8/2/2017			<0.002	
8/3/2017				<0.0025
1/19/2018	0.0046			<0.0025
1/22/2018			<0.002	
6/19/2018	0.0063		<0.002	<0.0025
6/20/2018		<0.002		
1/17/2019			<0.002	0.00094 (J)
1/18/2019	0.0059	<0.002		
6/24/2019			<0.002	0.00095 (J)
6/25/2019	0.0085	0.004		

Sen's Slope Estimator

Constituent: Nickel Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)
8/31/2011				<0.0025
9/16/2011		<0.0025		
9/17/2011	<0.0025		0.0053	
10/27/2011	<0.0025			
10/28/2011		<0.0025	0.0042	
12/12/2011		<0.0025	<0.0025	
12/14/2011	<0.0025			
1/25/2012		<0.0025		
1/31/2012			0.0043	
2/7/2012	0.0028			
7/16/2012		<0.0025		
7/17/2012			<0.0025	
7/23/2012	<0.0025			
1/23/2013	<0.0025			
1/24/2013		<0.0025	0.0052	
7/23/2013		<0.0025		
7/24/2013	<0.0025		0.0052	
1/22/2014	0.0013 (J)	0.00092 (J)	0.0031	
6/25/2014				0.0044
7/1/2014	0.0014 (J)	<0.0025		
7/8/2014			0.0036 (D)	
1/21/2015		<0.0025	0.0026	
1/22/2015	0.0017 (J)			
7/21/2015		<0.0025		0.0056
7/22/2015	0.0013 (J)		0.0028	
1/19/2016			0.0021 (JD)	
1/20/2016	<0.0025			
1/22/2016		<0.0025		
1/17/2017		<0.0025	0.0022 (J)	
1/19/2017	<0.0025			
8/1/2017		<0.0025	0.0018 (J)	<0.0025
8/2/2017	<0.0025			
1/19/2018	<0.0025	<0.0025	<0.0025	
6/19/2018	<0.0025	<0.0025	0.0024 (J)	
6/20/2018				<0.0025
1/17/2019	0.0011			
1/18/2019			0.0022	0.00087 (J)
1/21/2019		0.0004 (J)		
6/24/2019	0.0013			
6/25/2019		0.00088 (J)	0.0028	0.0021

Sen's Slope Estimator

Constituent: Nickel Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWC-14	GWC-26	GWC-8
8/31/2011	<0.0025			
9/7/2011				<0.0025
9/13/2011		<0.0025		
9/17/2011			<0.0025	
10/27/2011	<0.0025	<0.0025		
10/29/2011			<0.0025	
10/30/2011				<0.0025
12/3/2011		<0.0025		
12/5/2011				<0.0025
12/14/2011	<0.0025		<0.0025	
1/19/2012				<0.0025
1/24/2012		<0.0025		
2/1/2012	<0.0025			
2/7/2012			<0.0025	
7/11/2012		<0.0025		
7/17/2012			<0.0025	
7/18/2012				<0.0025
7/23/2012	<0.0025			
1/7/2013				0.0025
1/8/2013		<0.0025		
1/23/2013	<0.0025			
1/24/2013			<0.0025	
7/9/2013				0.0027
7/10/2013		<0.0025		
7/17/2013	<0.0025			
7/24/2013			<0.0025	
1/14/2014				0.0039
1/15/2014	<0.0025			
1/21/2014		0.0041		
1/23/2014			<0.0025	
6/24/2014				0.0014 (J)
6/25/2014	<0.0025			
7/1/2014		0.0017 (J)		
7/8/2014			<0.0025	
1/14/2015		0.0064		
1/20/2015				0.0026
1/21/2015			<0.0025	
7/21/2015	<0.0025			
7/22/2015		0.0089		
7/27/2015				<0.0025
7/31/2015			<0.0025	
1/20/2016	0.002 (J)			
1/25/2016			<0.0025	
1/26/2016				0.002 (J)
1/27/2016		0.014		
4/20/2016		0.013		
1/19/2017			<0.0025	
1/26/2017				0.0034
2/1/2017		0.013		
8/2/2017	<0.0025			
8/3/2017			<0.0025	
8/7/2017		0.018		

Sen's Slope Estimator

Constituent: Nickel Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWC-14	GWC-26	GWC-8
1/22/2018	<0.0025		<0.0025	
1/24/2018				0.0023 (J)
1/25/2018		0.013		
6/19/2018	0.0022 (J)			
6/20/2018		0.015		
6/21/2018				0.0031
6/27/2018			<0.0025	
1/22/2019		0.014		0.0025
1/24/2019			0.00087 (J)	
6/24/2019	0.0022			
6/25/2019		0.016	0.0031	0.0053

Sen's Slope Estimator

Constituent: pH Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)
1/19/2016				5.92
1/20/2016		5.47		
1/21/2016	5.03			
1/22/2016			6.27	
3/22/2016			6.72	5.92
3/23/2016	5.56	5.85		
5/19/2016				5.95
5/20/2016	5.62			
5/23/2016			6.29	
5/24/2016		5.86		
7/21/2016	5.500376			6.049508
7/25/2016			6.178217	
7/26/2016		5.808275		
9/15/2016	5.31			6.444541
9/16/2016			6.545359	
11/9/2016			6	
11/10/2016		5.63		
11/11/2016	5.4			
1/17/2017			6.09	
1/19/2017	5.73	5.63		
3/15/2017				5.86
3/16/2017	5.25		5.98	
3/17/2017		5.68		
4/27/2017			5.96	5.85
4/28/2017	5.35	5.77		
8/1/2017			6.01 (D)	5.86 (D)
8/2/2017		5.67 (D)		
8/3/2017	5.32 (D)			
1/19/2018	5.39 (D)	5.68 (D)	6.15 (D)	5.83 (D)
6/19/2018	5.27	5.84	5.96	5.77
9/25/2018	5.27	5.52	5.94	5.92
1/17/2019	5.43	5.81		
1/18/2019				5.86
1/21/2019			5.92	
6/24/2019	5.3	5.75		
6/25/2019			6.03	5.96

Sen's Slope Estimator

Constituent: pH, Sulfate Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3 (bg)	GWA-4 (bg)	GWC-18	GWA-1 (bg)
3/23/2016				<1
3/30/2016			6.03	
5/19/2016		6.45		
5/20/2016				<1
5/25/2016	6.48			
5/26/2016			6.03	
7/21/2016		6.449699		<1
7/25/2016			6.066342	
7/27/2016	6.43219			
9/14/2016		6.396439		
9/15/2016				<1
9/19/2016			6.040669	
11/10/2016		6.19		
11/11/2016				<1
1/17/2017		6.18		
1/19/2017				<1
2/1/2017			5.98	
3/16/2017		6.1		<1
3/24/2017			5.85	
4/28/2017		6.51		<1
5/3/2017			5.92	
8/1/2017	6.35 (D)			
8/2/2017		6.23 (D)		
8/7/2017			5.98 (D)	
10/4/2017				<1
1/19/2018				<1
1/22/2018		6.3 (D)		
1/25/2018			6.03 (D)	
6/19/2018		6.2		<1
6/20/2018	6.28			
6/21/2018			5.87	
9/25/2018		6.21		<1
9/28/2018			5.77	
1/17/2019	6.06	6.29		0.5 (J)
1/28/2019			6.03	
6/24/2019	5.68	6.12		<1
6/25/2019	5.58			
6/27/2019			5.78	

Sen's Slope Estimator

Constituent: Sulfate Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)
3/22/2016		1.1423	8.4662	
3/23/2016	1.001			
3/31/2016				202.982
5/19/2016			10	
5/23/2016		1.44		
5/24/2016	0.576 (J)			
5/25/2016				95.7
7/21/2016			13	
7/25/2016		1.1		
7/26/2016	0.91 (J)			
7/27/2016				110
9/15/2016		0.99 (J)		
9/16/2016	0.87 (J)			
11/9/2016		1.1		
11/10/2016	0.79 (J)			
1/17/2017		0.85 (J)	7.6	
1/19/2017	0.87 (J)			
3/16/2017		1.2		
3/17/2017	1.8			
4/27/2017		<1	8	
4/28/2017	1.7			
7/18/2017			6	
8/1/2017			7.7	
10/3/2017	1.9	1.4	7	150
1/19/2018	1.8	1.1	5.7	
6/19/2018	1	0.94 (J)	7	
6/20/2018				100
9/25/2018	0.78 (J)	1.3	9.1	
1/17/2019	2.5			
1/18/2019			6.4	34
1/21/2019		1.6		
6/24/2019	0.91 (J)			
6/25/2019		2.2	26	<1

Sen's Slope Estimator

Constituent: Sulfate Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWC-12	GWC-17	GWC-30
3/23/2016	9.0208			1.3729
3/29/2016		19.1889		
3/30/2016			0.8313 (J)	
5/19/2016	10			
5/20/2016				1.31
5/25/2016		19.8	0.195 (J)	
7/21/2016	10			1.3
7/22/2016		20		
7/27/2016			0.7 (J)	
9/14/2016	9.7			
9/15/2016		20		
9/19/2016			<1	
9/20/2016				1.3
11/10/2016	8.1			
11/14/2016				1.1
11/16/2016		19		
11/17/2016			0.75 (J)	
1/17/2017	15			
1/24/2017				1.3
1/31/2017		23		
2/1/2017			<1	
3/16/2017	9.1			
3/17/2017				1.3
3/23/2017		23		
3/24/2017			<1	
4/27/2017	9.6			
5/1/2017				1.2
5/3/2017		22	<1	
10/3/2017	9.8			
10/4/2017		22	<1	1.2
1/22/2018	10			
1/24/2018		22		1
1/25/2018			<1	
6/19/2018	10			
6/21/2018				1
6/26/2018		23	<1	
9/25/2018	9.7			
9/28/2018		24		
10/2/2018			<1	
10/3/2018				1.2
1/17/2019	9.4			
1/24/2019			0.88 (J)	
1/25/2019		25		
1/30/2019				1.2
6/24/2019	10			
6/25/2019			1.1	
6/26/2019		25		
6/27/2019				1.7

Sen's Slope Estimator

Constituent: Sulfate, Vanadium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)
9/16/2011		<0.0025		<0.0025
9/17/2011			<0.0025	
10/27/2011		<0.0025	<0.0025	
10/28/2011				<0.0025
12/12/2011				<0.0025
12/13/2011		<0.0025		
12/14/2011			<0.0025	
1/25/2012				<0.0025
1/31/2012		<0.0025		
2/7/2012			<0.0025	
7/16/2012				<0.0025
7/18/2012		<0.0025		
7/23/2012			<0.0025	
1/23/2013			<0.0025	
1/24/2013		<0.0025		<0.0025
7/17/2013		<0.0025		
7/23/2013				<0.0025
7/24/2013			<0.0025	
1/21/2014		<0.0025		
1/22/2014			<0.0025	0.00072 (J)
6/25/2014		<0.0025		
7/1/2014			0.0012 (J)	<0.0025
1/14/2015		<0.0025		
1/21/2015				<0.0025
1/22/2015			0.0013 (J)	
7/21/2015		<0.0025		<0.0025
7/22/2015			<0.0025	
1/20/2016			<0.0025	
1/21/2016		<0.0025		
1/22/2016				<0.0025
3/28/2016	19.9405			
5/23/2016	21			
7/21/2016	17			
9/15/2016	16			
11/15/2016	15			
1/17/2017				<0.0025
1/19/2017		<0.0025	<0.0025	
1/26/2017	13			
3/22/2017	13			
5/2/2017	25			
8/1/2017				<0.0025
8/2/2017			<0.0025	
8/3/2017		<0.0025		
10/3/2017	21			
1/19/2018		<0.0025	<0.0025	<0.0025
1/23/2018	26			
6/19/2018		<0.0025	0.0024 (J)	<0.0025
6/25/2018	30			
10/3/2018	29			
1/17/2019		0.0012	0.0016	
1/21/2019				0.0012
1/30/2019	31			

Sen's Slope Estimator

Constituent: Sulfate, Vanadium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)
6/24/2019		0.0028	0.0018	
6/25/2019				0.0025
6/26/2019	31			

Sen's Slope Estimator

Constituent: Vanadium Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-17
8/30/2011				<0.0025
8/31/2011		<0.0025	<0.0025	
9/17/2011	<0.0025			
10/27/2011			<0.0025	<0.0025
10/28/2011	<0.0025			
12/3/2011				<0.0025
12/12/2011	<0.0025			
12/14/2011			<0.0025	
1/25/2012				<0.0025
1/31/2012	<0.0025			
2/1/2012			<0.0025	
7/11/2012				<0.0025
7/17/2012	<0.0025			
7/23/2012			<0.0025	
1/8/2013				<0.0025
1/23/2013			<0.0025	
1/24/2013	<0.0025			
7/16/2013				<0.0025
7/17/2013			<0.0025	
7/24/2013	<0.0025			
1/14/2014				0.0019 (J)
1/15/2014			0.0016 (J)	
1/22/2014	<0.0025			
6/25/2014		<0.0025	0.00084 (J)	0.001 (J)
7/8/2014	<0.0025 (D)			
1/14/2015			0.0014 (J)	0.0014 (J)
1/21/2015	<0.0025			
7/21/2015		<0.0025	<0.0025	
7/22/2015	<0.0025			
7/28/2015				0.0027 (J)
1/19/2016	<0.0025 (D)			
1/20/2016			<0.0025	
1/27/2016				0.0018 (J)
1/17/2017	<0.0025		<0.0025	
2/1/2017				0.0044
8/1/2017	<0.0025 (*)	<0.0025		
8/2/2017			<0.0025	
8/7/2017				<0.0025
1/19/2018	<0.0025			
1/22/2018			0.002 (J)	
1/25/2018				0.0042
6/19/2018	0.0014 (J)		0.0019 (J)	
6/20/2018		<0.0025		
6/26/2018				0.0023 (J)
1/17/2019			0.0016	
1/18/2019	0.0015	0.0019		
1/24/2019				0.0027
6/24/2019			0.002	
6/25/2019	0.0023	0.0028		0.005

Sen's Slope Estimator

Constituent: Vanadium, Zinc Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-19	GWC-22	GWA-1 (bg)
8/30/2011	<0.0025	<0.001		
9/15/2011			0.005	
9/16/2011				0.0071
10/26/2011	<0.0025	<0.001		
10/27/2011				0.0062
10/29/2011			<0.01	
12/3/2011	<0.0025	<0.001		
12/13/2011			<0.01	0.0065
1/25/2012			<0.01	
1/31/2012				0.0047
2/8/2012	<0.0025	<0.001		
7/11/2012	<0.0025	<0.001		
7/18/2012			0.0074	0.0044
1/8/2013	<0.0025	<0.001		
1/22/2013			0.0071	
1/24/2013				0.0058
7/16/2013	<0.0025	<0.001	0.0075	
7/17/2013				0.0028
1/14/2014	0.0022 (J)			
1/21/2014		<0.001	0.0061	0.0037
6/24/2014	<0.0025	<0.001		
6/25/2014			0.007	0.0026
1/13/2015	0.00084 (J)	<0.001		
1/14/2015			0.0063	0.003
7/21/2015				0.0033
7/23/2015	<0.0025	0.0016 (J)	0.0066	
1/21/2016				0.0043
1/26/2016			0.0058	
1/27/2016	0.00096 (J)	<0.001		
1/19/2017				0.0077 (J)
2/2/2017		0.0015 (J)		
2/3/2017			0.0082	
8/3/2017				<0.02
8/7/2017	<0.0025	0.0016 (J)		
8/8/2017			0.0058	
1/19/2018				<0.02
1/25/2018	<0.0025	0.0021 (J)	0.0063	
6/19/2018				0.0068 (J)
6/20/2018			0.006	
6/21/2018	<0.0025	<0.001		
1/17/2019				0.0037 (J)
1/24/2019			0.0065	
1/28/2019		<0.001		
6/24/2019				0.0048 (J)
6/25/2019			0.0092	
6/26/2019		0.0023		
6/27/2019	0.0031			

Sen's Slope Estimator

Constituent: Zinc Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)
8/31/2011				0.0037
9/16/2011		0.003		
9/17/2011	0.0061		0.026	
10/27/2011	0.0059			
10/28/2011		0.0073	0.019	
12/12/2011		0.0053	0.02	
12/14/2011	0.0077			
1/25/2012		0.0046		
1/31/2012			0.036	
2/7/2012	0.0053			
7/16/2012		0.0034		
7/17/2012			0.015	
7/23/2012	0.0043			
1/23/2013	0.0054			
1/24/2013		0.0049	0.048	
7/23/2013		0.0026		
7/24/2013	0.004		0.048	
1/22/2014	0.0056	0.0052	0.044	
6/25/2014				0.015
7/1/2014	0.004	0.0042		
7/8/2014			0.04 (D)	
1/21/2015		0.0038	0.037	
1/22/2015	0.0051			
7/21/2015		0.0042		0.042
7/22/2015	0.0033		0.031	
1/19/2016			0.035 (D)	
1/20/2016	0.0029			
1/22/2016		0.0041		
1/17/2017		<0.02	0.024	
1/19/2017	<0.02			
8/1/2017		<0.02	0.028	<0.02
8/2/2017	<0.02			
1/19/2018	<0.02	<0.02	0.024	
6/19/2018	<0.02	<0.02	0.028	
6/20/2018				<0.02
1/17/2019	0.0024 (J)			
1/18/2019			0.022	0.0088
1/21/2019		0.0065		
6/24/2019	0.0046 (J)			
6/25/2019		0.011	0.041	0.014

Sen's Slope Estimator

Constituent: Zinc Analysis Run 8/9/2019 3:36 PM View: State Trend Test

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWC-14
8/31/2011	<0.005	
9/13/2011		0.0039
10/27/2011	<0.005	0.0046
12/3/2011		0.0028
12/14/2011	<0.005	
1/24/2012		0.0033
2/1/2012	<0.005	
7/11/2012		<0.0025
7/23/2012	0.0037	
1/8/2013		<0.0025
1/23/2013	<0.005	
7/10/2013		<0.0025
7/17/2013	<0.005	
1/15/2014	0.00085 (J)	
1/21/2014		0.0036
6/25/2014	0.0014 (J)	
7/1/2014		0.0018 (J)
1/14/2015	0.0082	0.0035
7/21/2015	0.0015 (J)	
7/22/2015		0.005
1/20/2016	0.0093	
1/27/2016		0.0094
2/1/2017		0.0084 (J)
8/2/2017	<0.005	
8/7/2017		0.012 (J)
1/22/2018	<0.005	
1/25/2018		0.0095 (J)
6/19/2018	<0.005	
6/20/2018		0.012 (J)
1/17/2019	<0.005	
1/22/2019		0.0094
6/24/2019	0.0036 (J)	
6/25/2019		0.014

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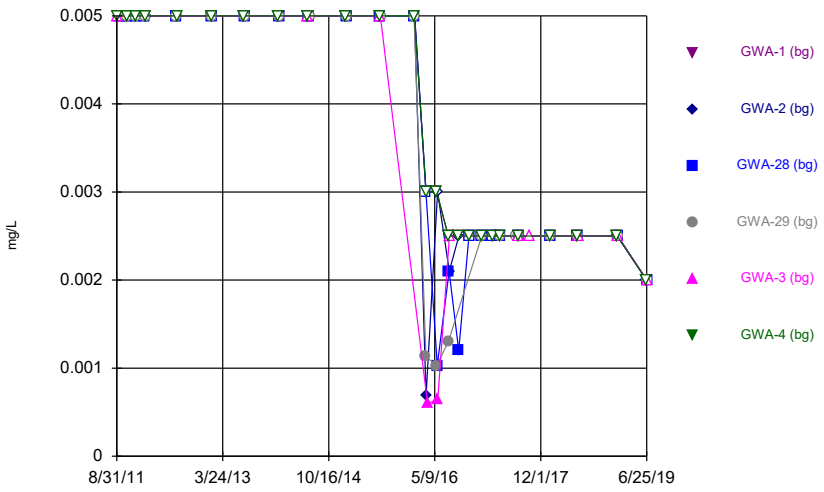
Hollow symbols indicate censored values.

Antimony



Time Series Analysis Run 8/8/2019 2:06 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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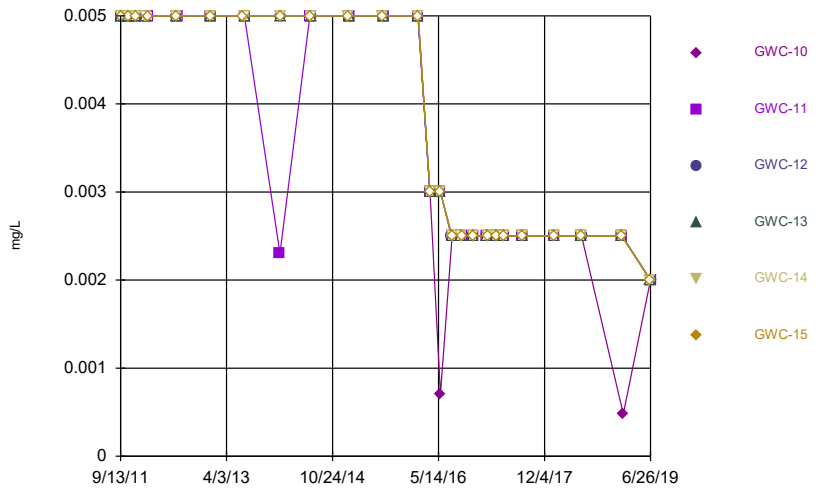

Time Series Analysis Run 8/8/2019 2:06 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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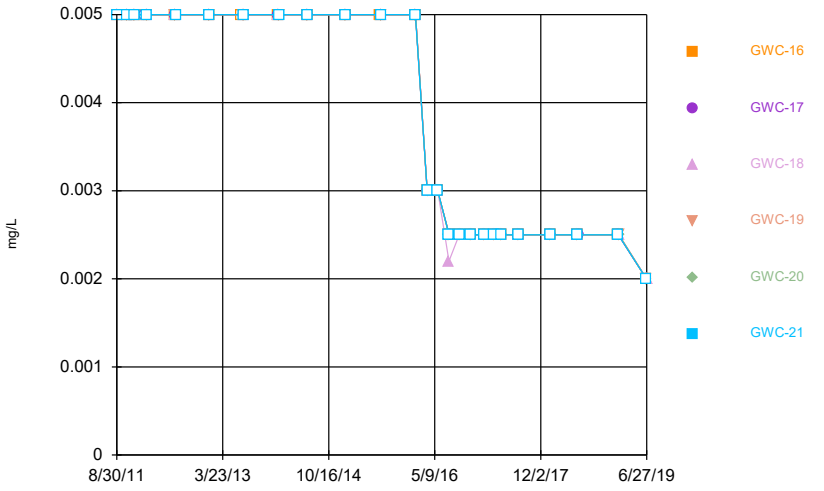

Time Series Analysis Run 8/8/2019 2:06 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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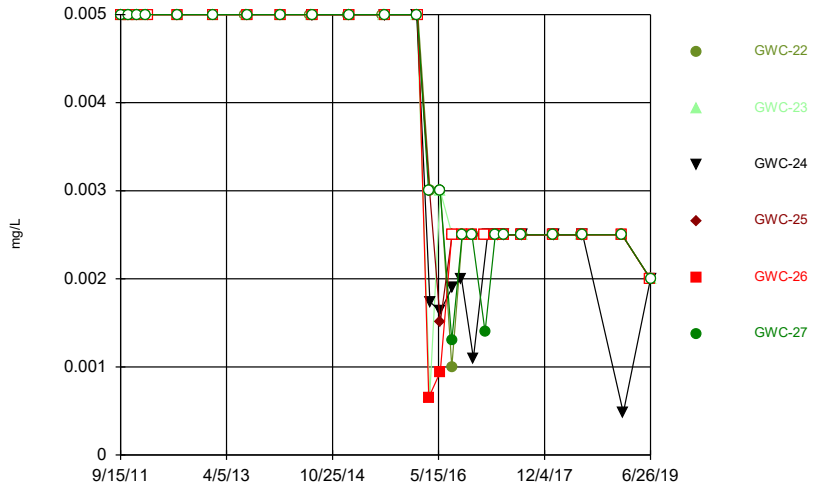

Time Series Analysis Run 8/8/2019 2:07 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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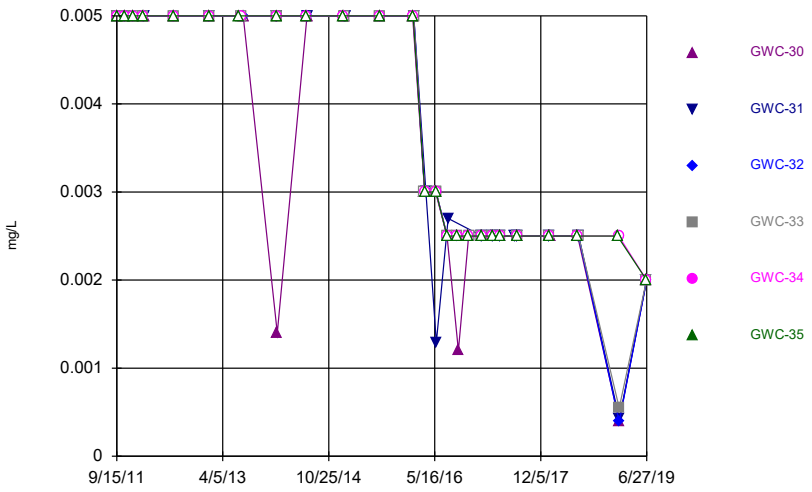
Antimony



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Plant Wansley Client: Southern Company Data: Wansley Landfill

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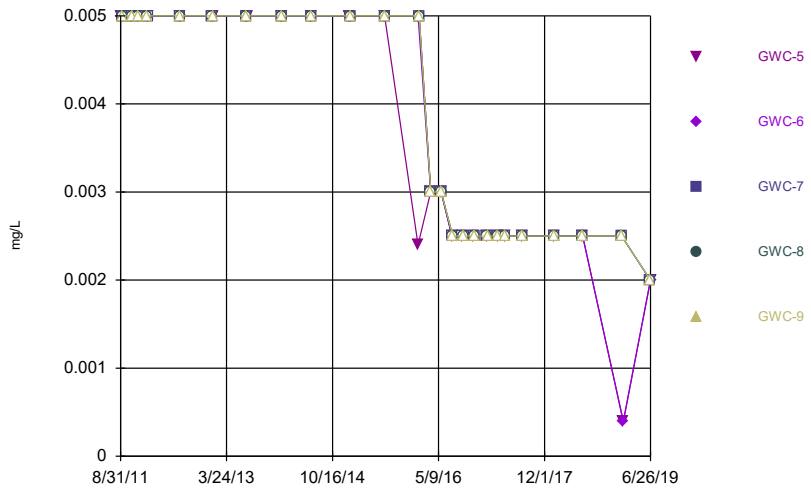

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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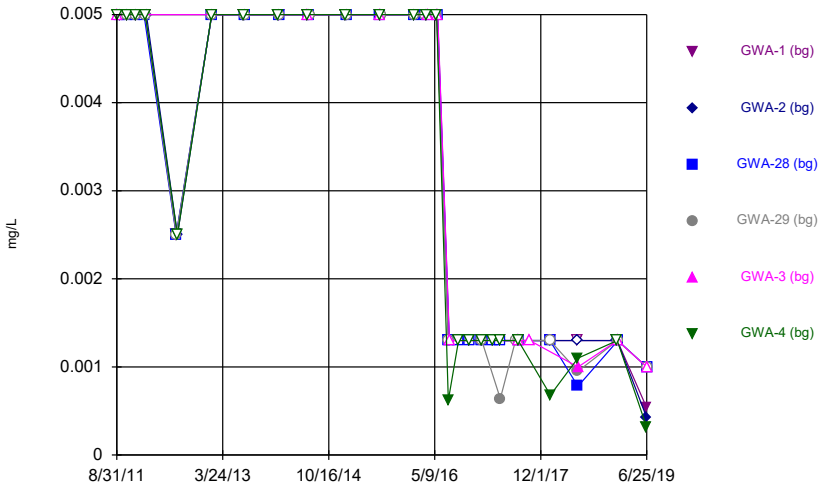
Hollow symbols indicate censored values.

Arsenic



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Plant Wansley Client: Southern Company Data: Wansley Landfill

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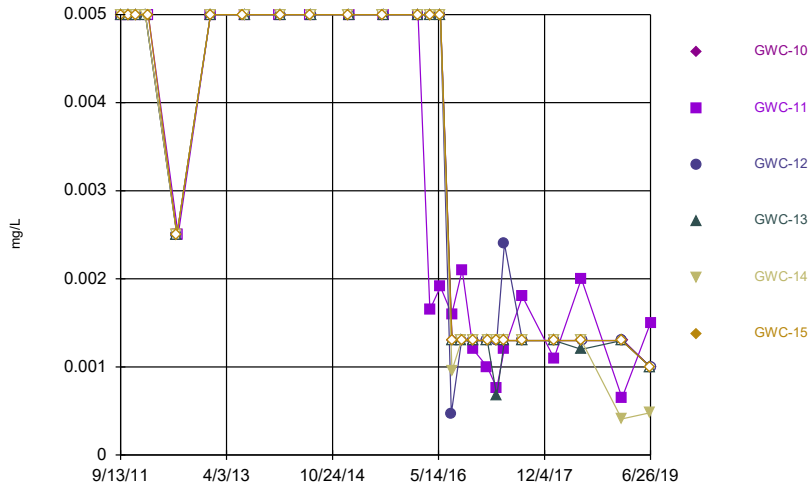
Arsenic



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Plant Wansley Client: Southern Company Data: Wansley Landfill

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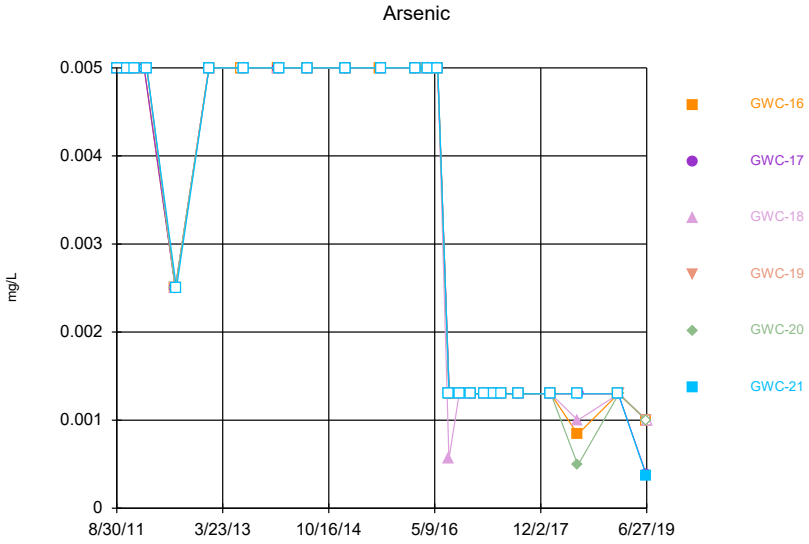

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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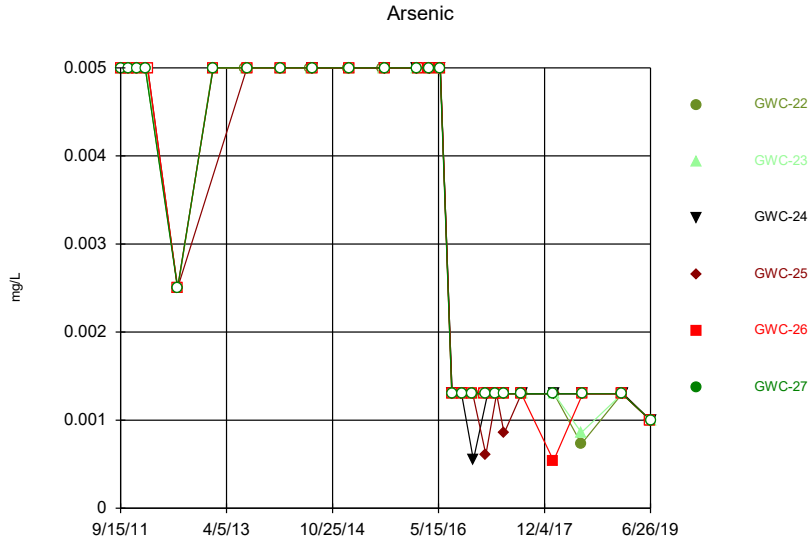

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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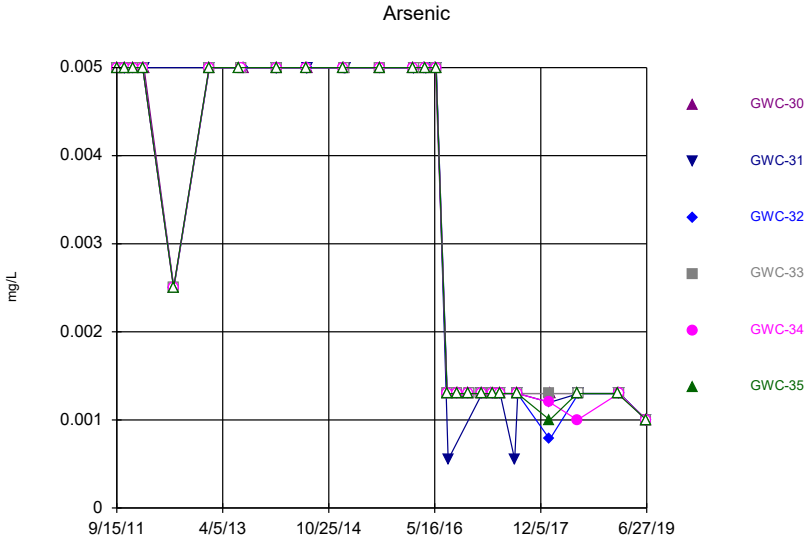

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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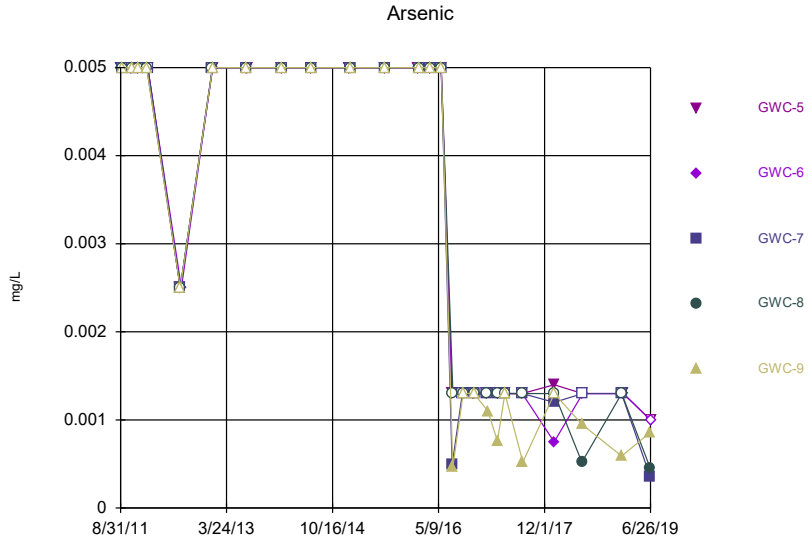

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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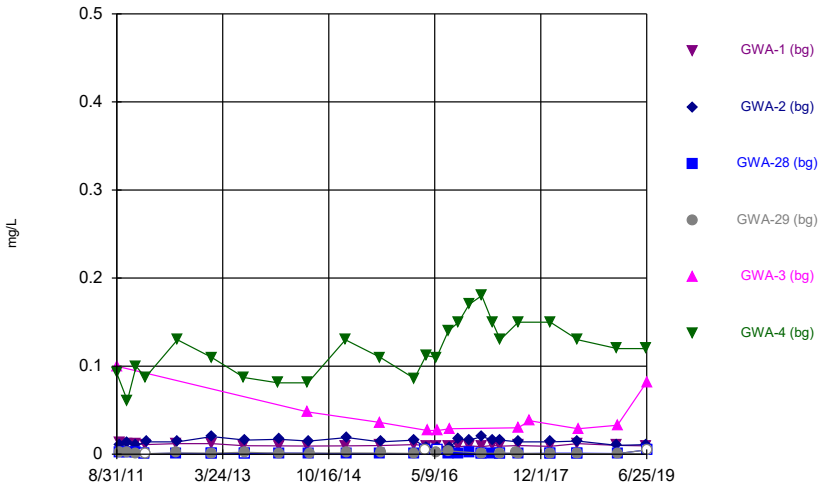
Hollow symbols indicate censored values.

Barium



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Plant Wansley Client: Southern Company Data: Wansley Landfill

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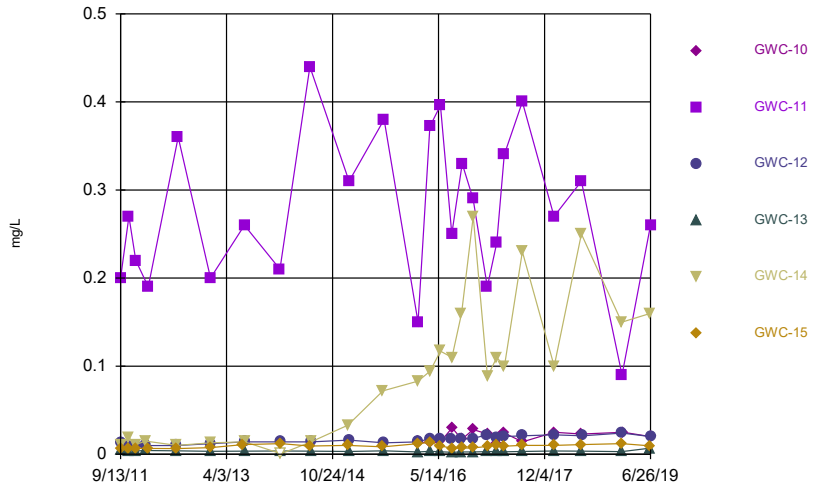

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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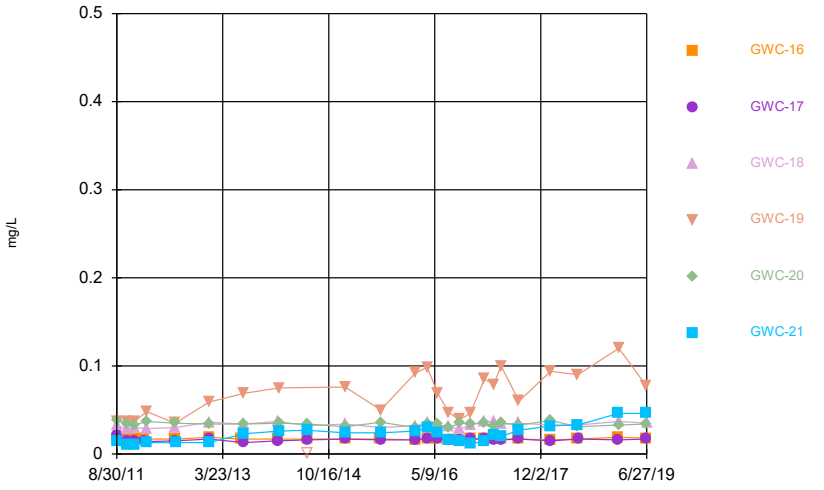

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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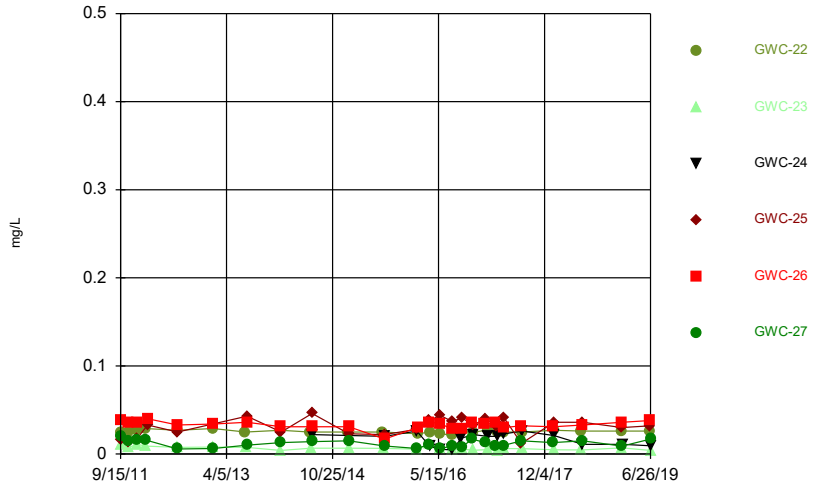

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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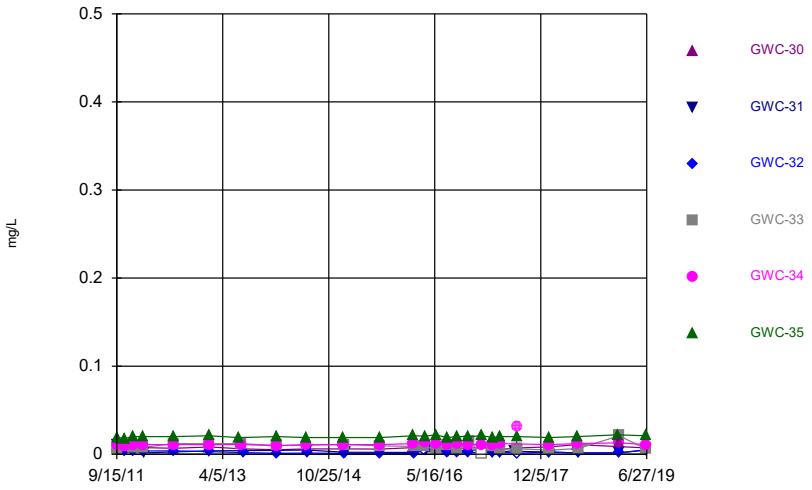

Time Series Analysis Run 8/8/2019 2:07 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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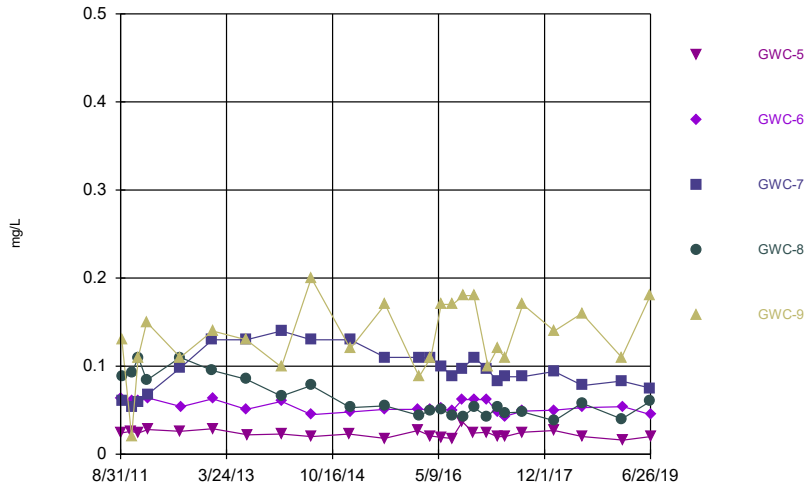
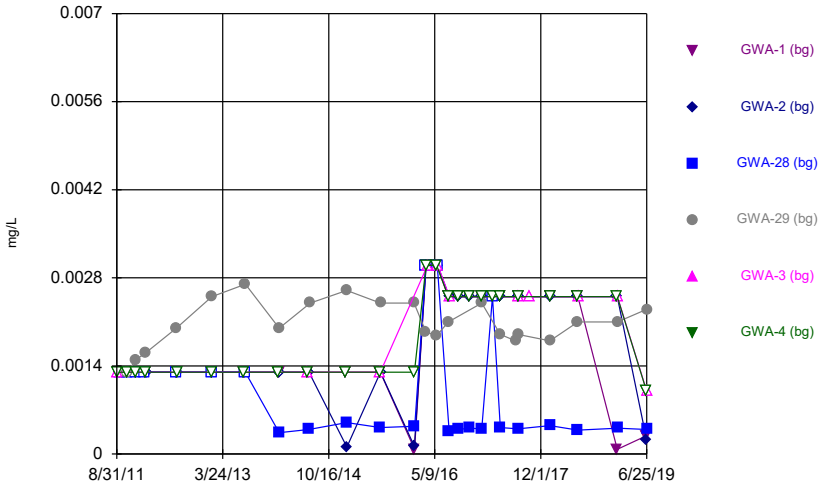
Barium



Time Series Analysis Run 8/8/2019 2:07 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Beryllium



Time Series Analysis Run 8/8/2019 2:07 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

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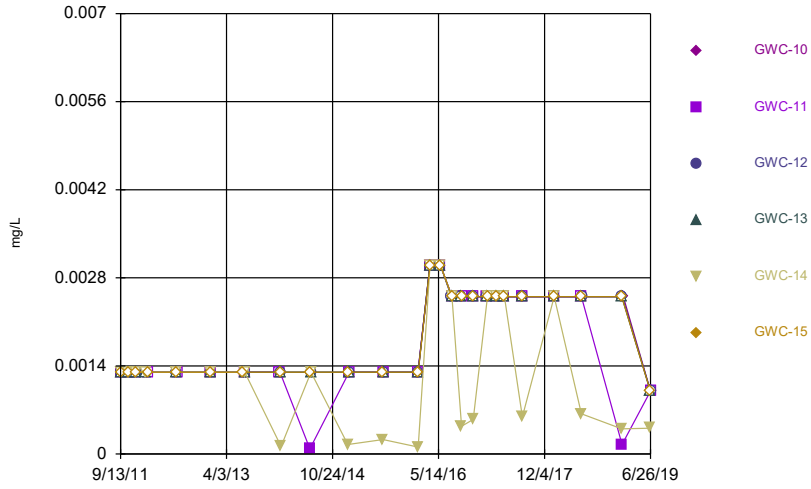

Time Series Analysis Run 8/8/2019 2:07 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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Hollow symbols indicate censored values.

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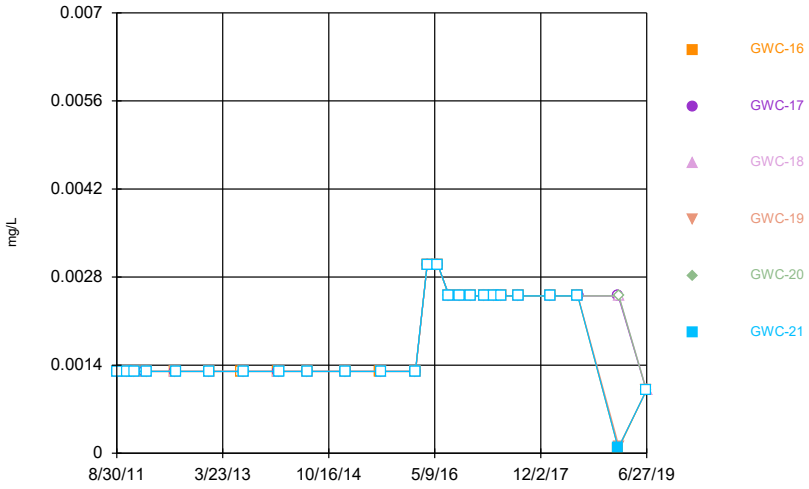

Time Series Analysis Run 8/8/2019 2:08 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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Hollow symbols indicate censored values.

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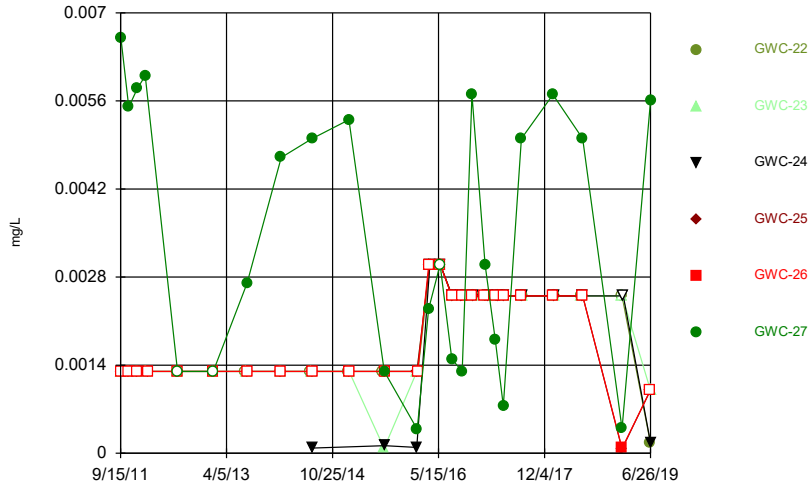

Time Series Analysis Run 8/8/2019 2:08 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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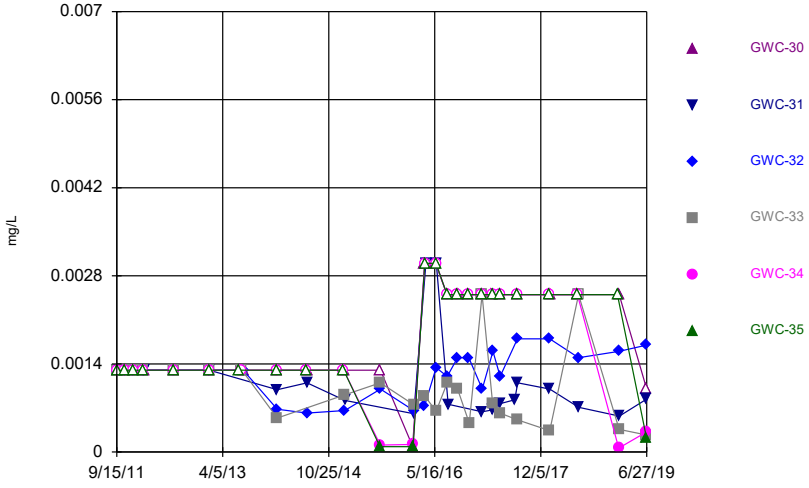

Time Series Analysis Run 8/8/2019 2:08 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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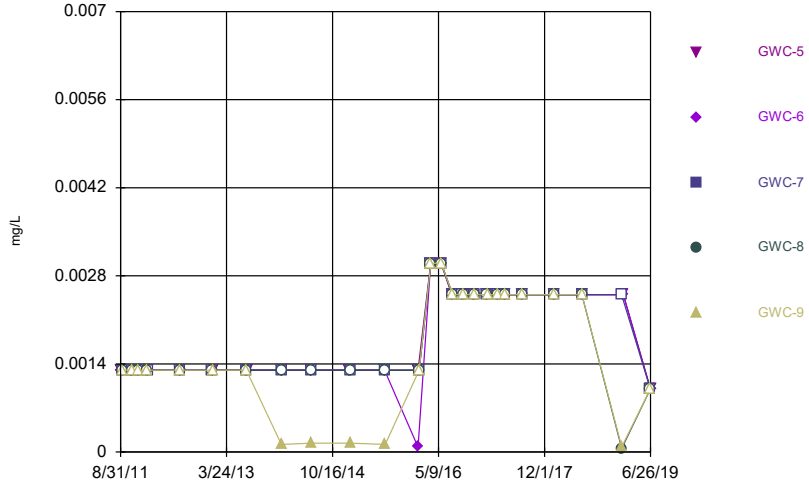

Time Series Analysis Run 8/8/2019 2:08 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

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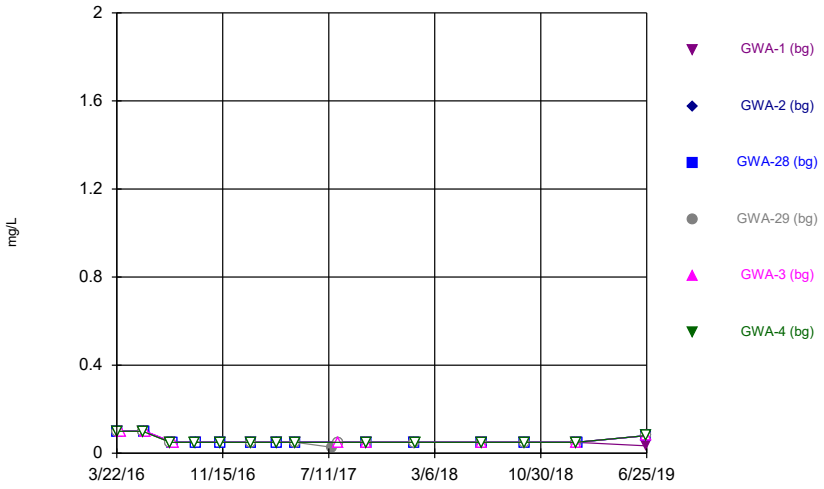

Time Series Analysis Run 8/8/2019 2:08 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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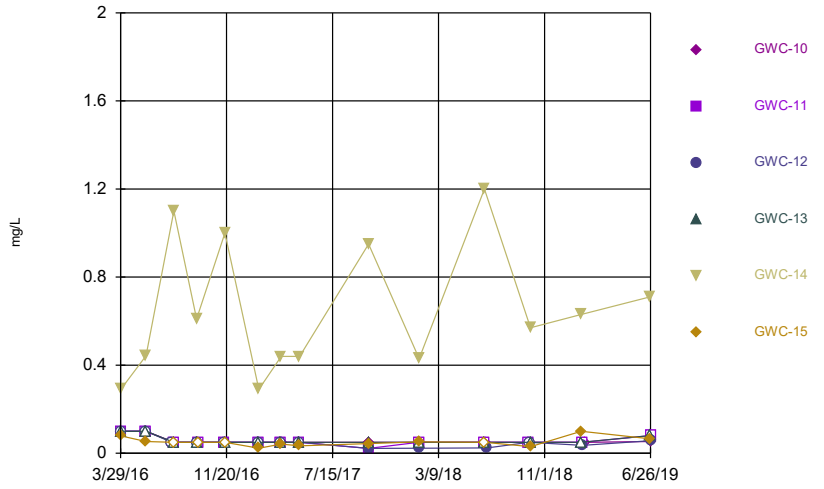

Time Series Analysis Run 8/8/2019 2:08 PM View: Time Series
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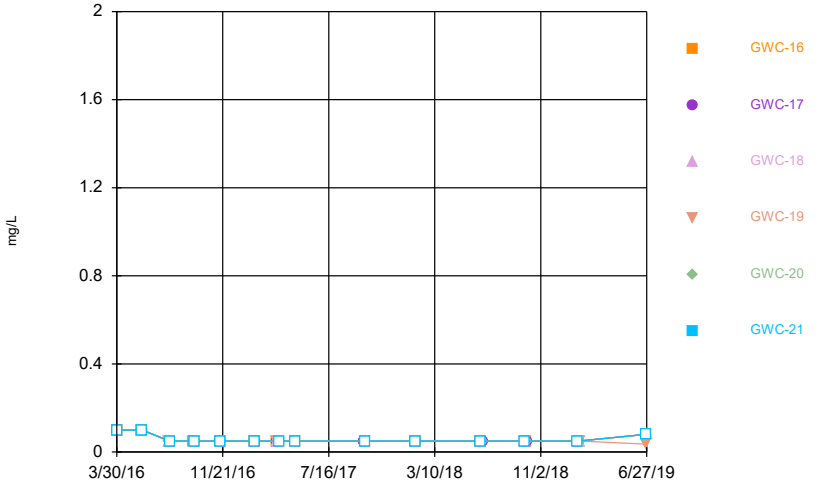

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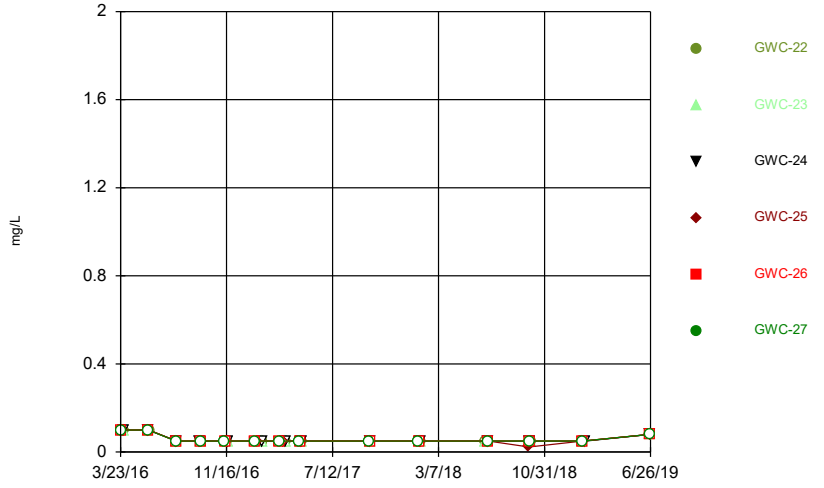

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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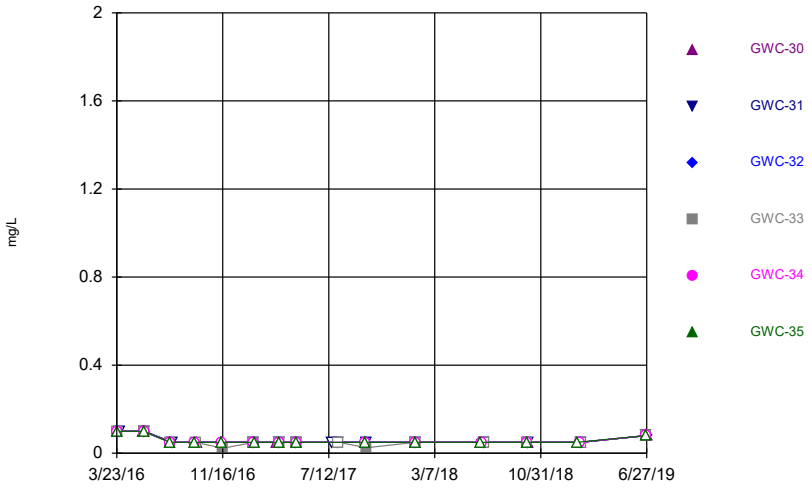

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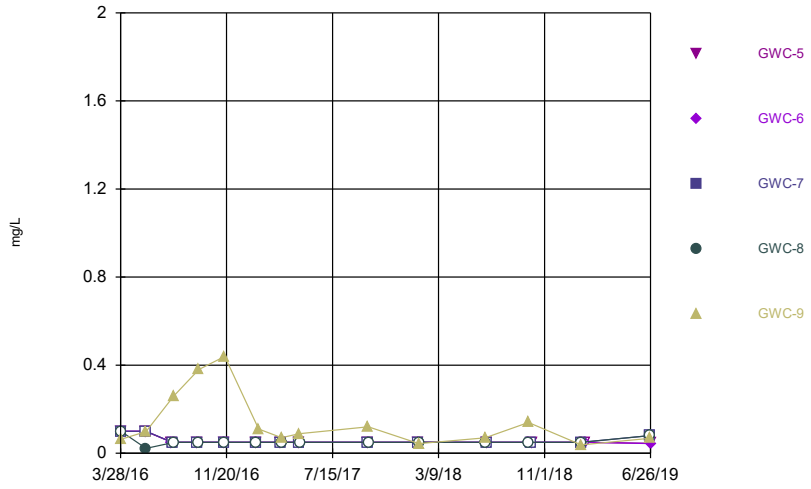

Time Series Analysis Run 8/8/2019 2:08 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
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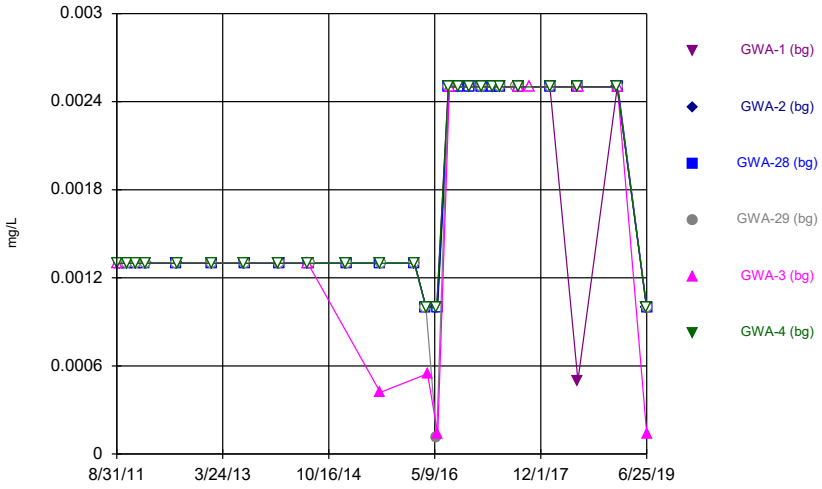
Cadmium



Time Series Analysis Run 8/8/2019 2:08 PM View: Time Series
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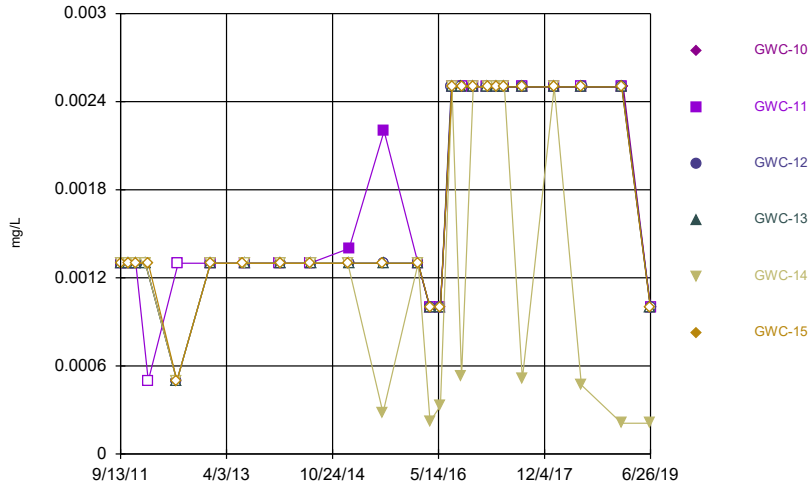

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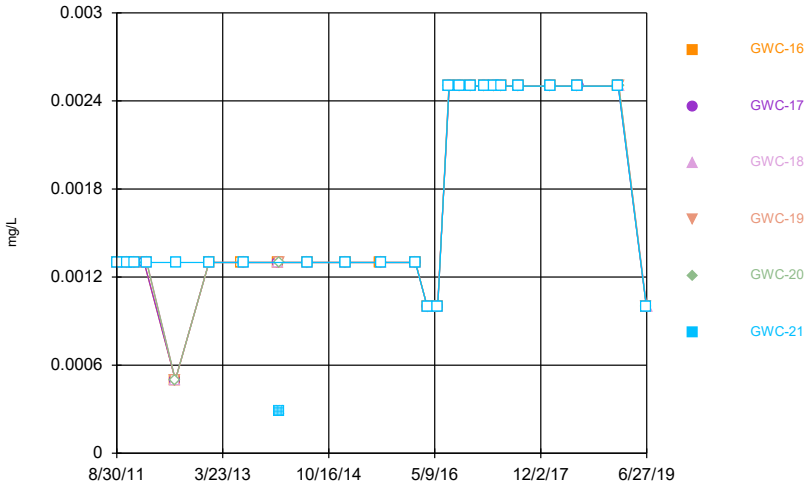

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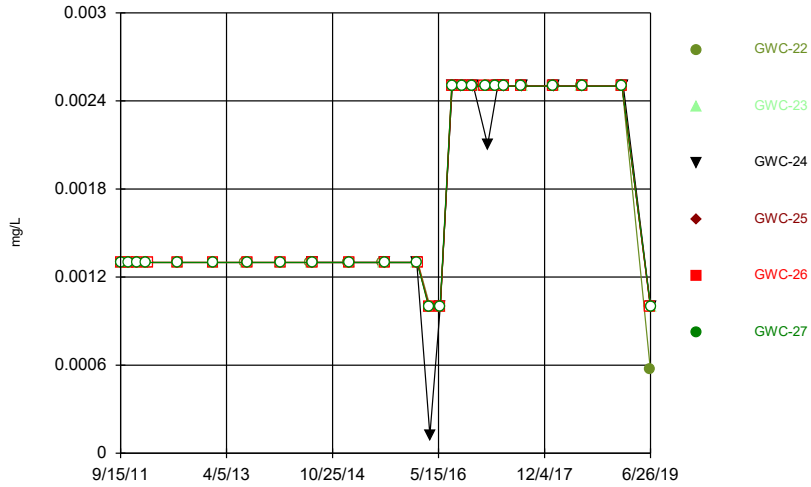

Time Series Analysis Run 8/8/2019 2:08 PM View: Time Series
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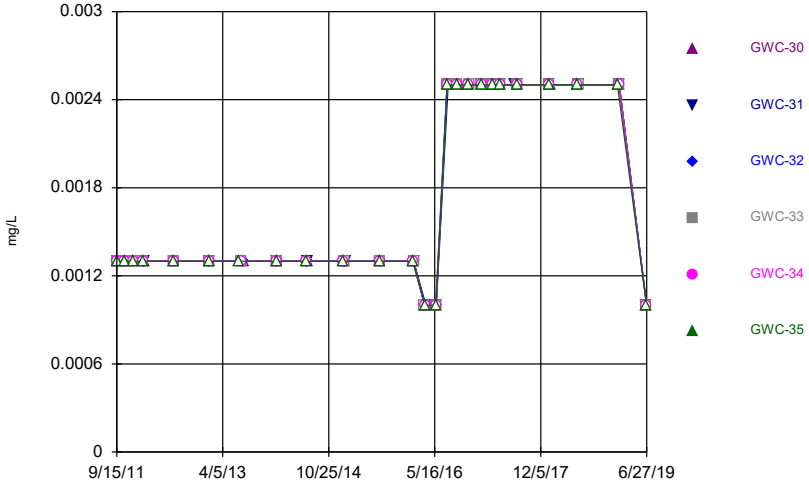

Time Series Analysis Run 8/8/2019 2:08 PM View: Time Series
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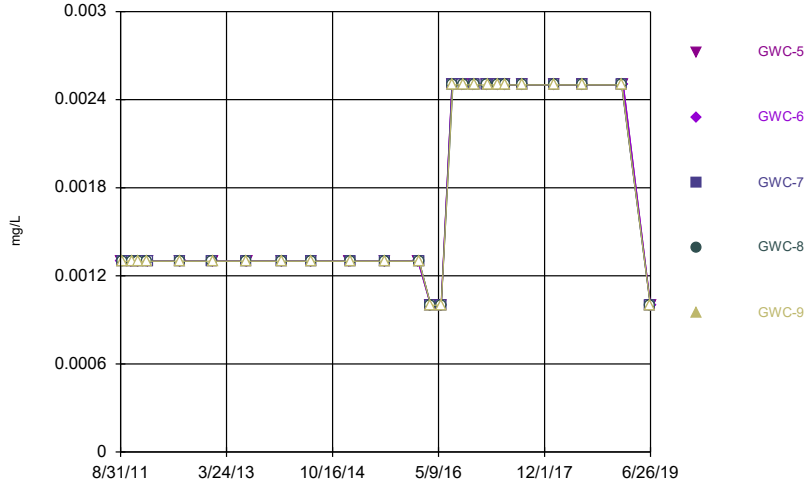

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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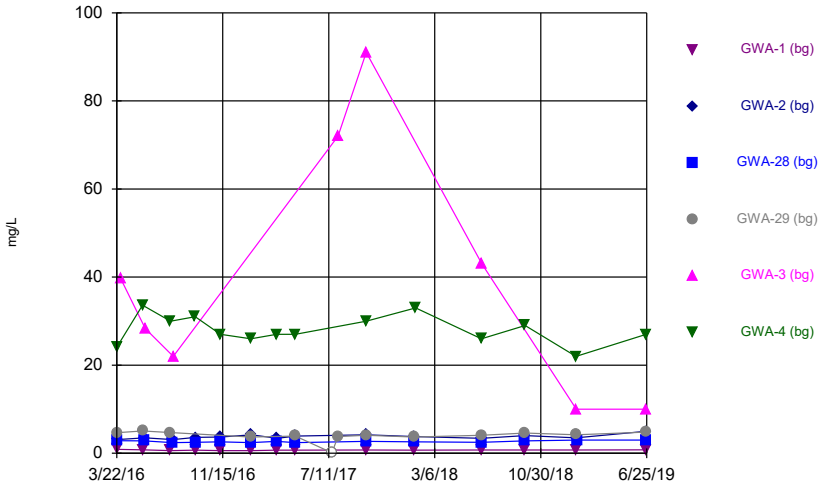
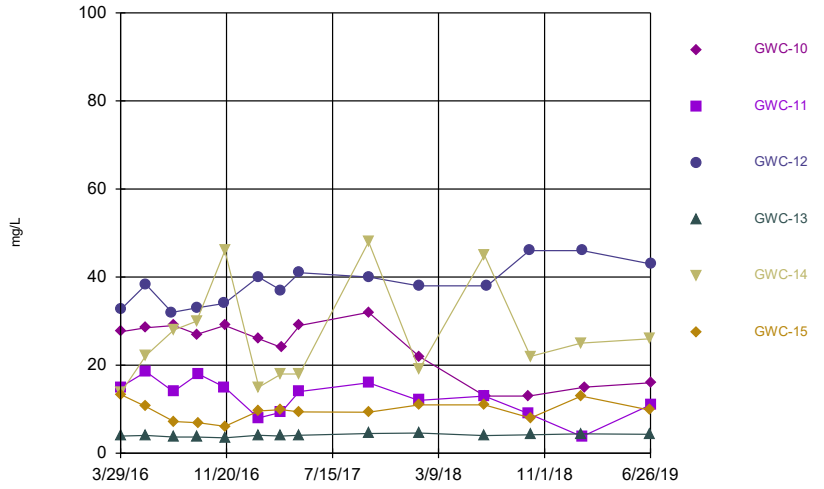
Calcium



Time Series Analysis Run 8/8/2019 2:08 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

Calcium



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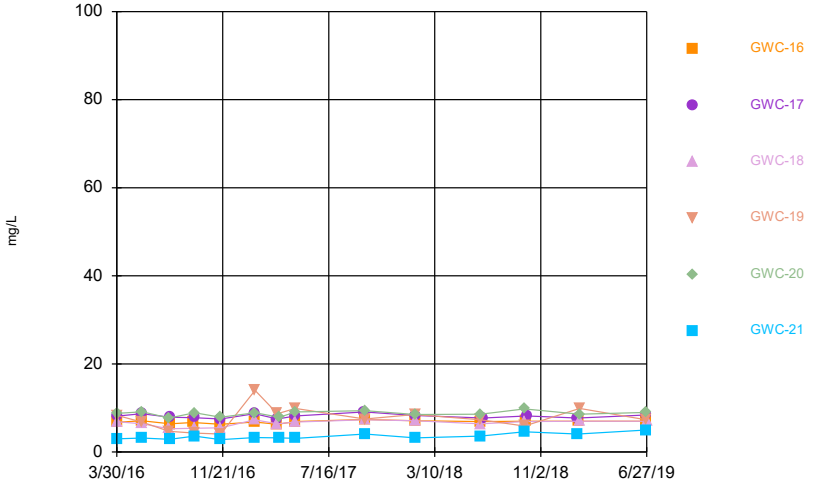

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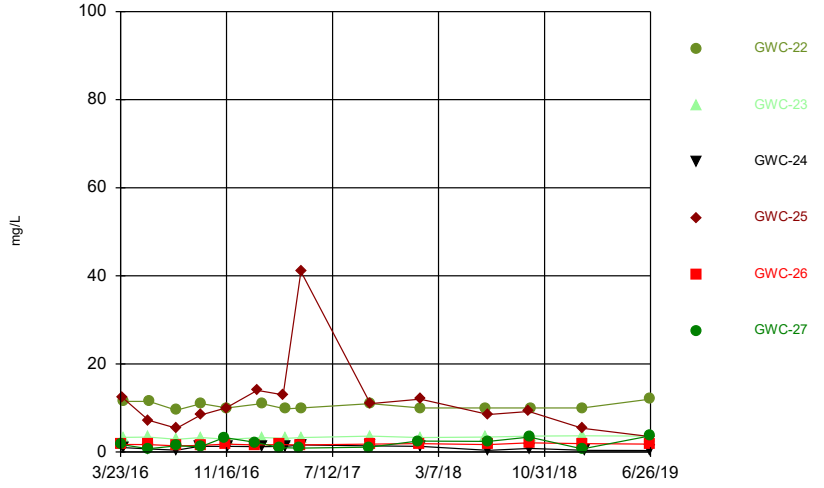

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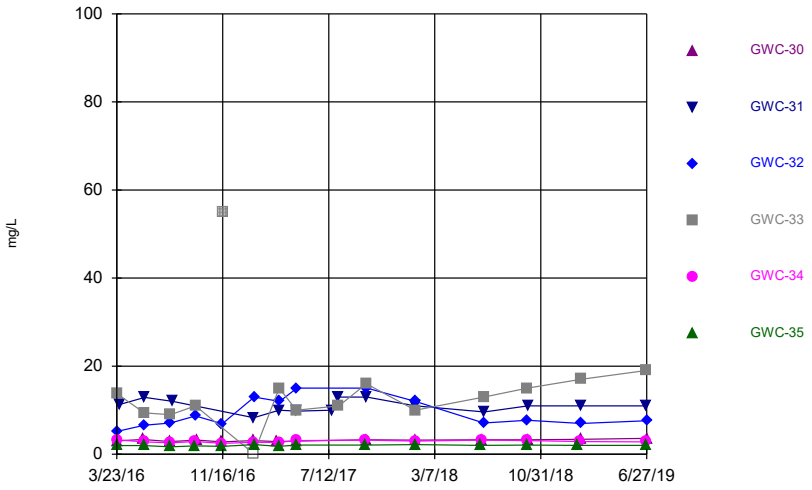

Time Series Analysis Run 8/8/2019 2:09 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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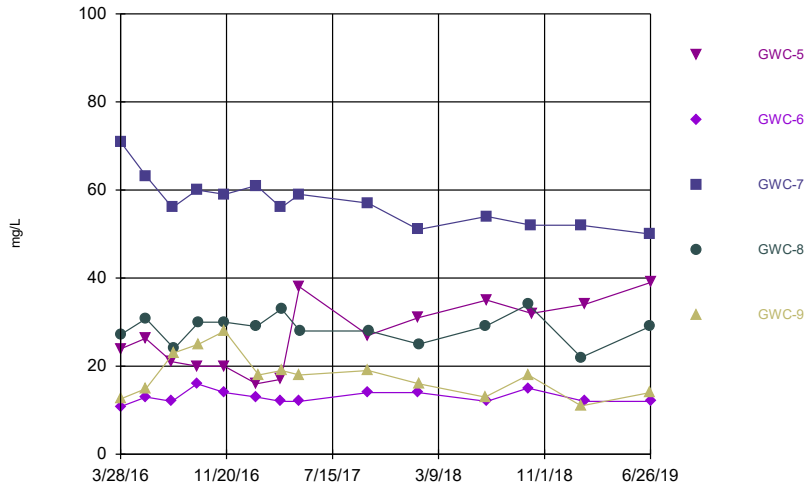
Calcium



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Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
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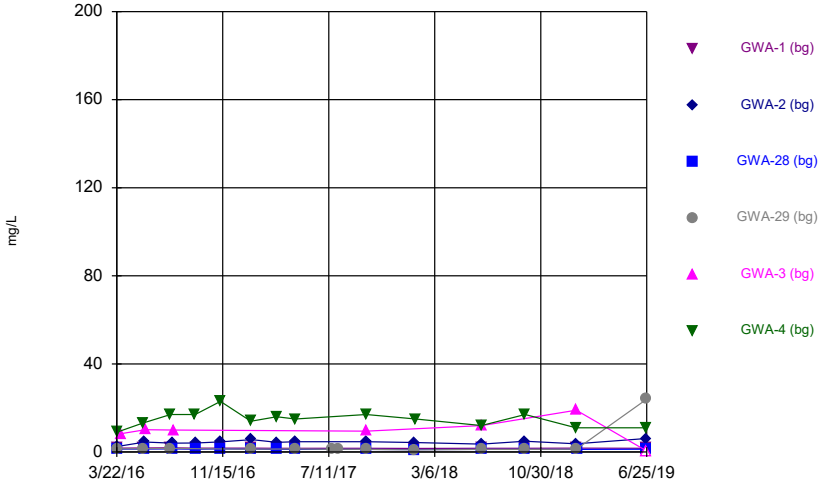
Chloride



Time Series Analysis Run 8/8/2019 2:09 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

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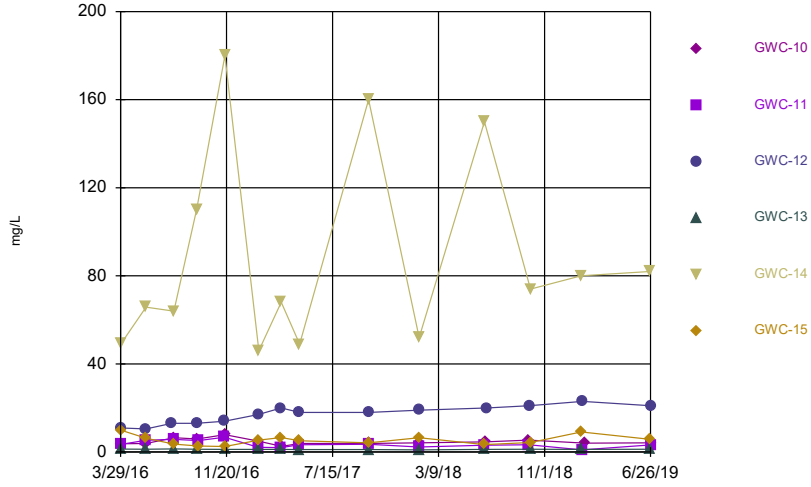

Time Series Analysis Run 8/8/2019 2:09 PM View: Time Series
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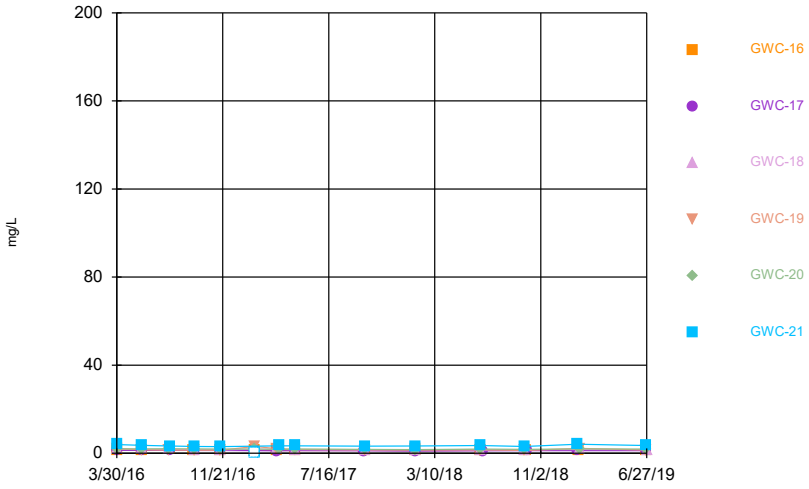

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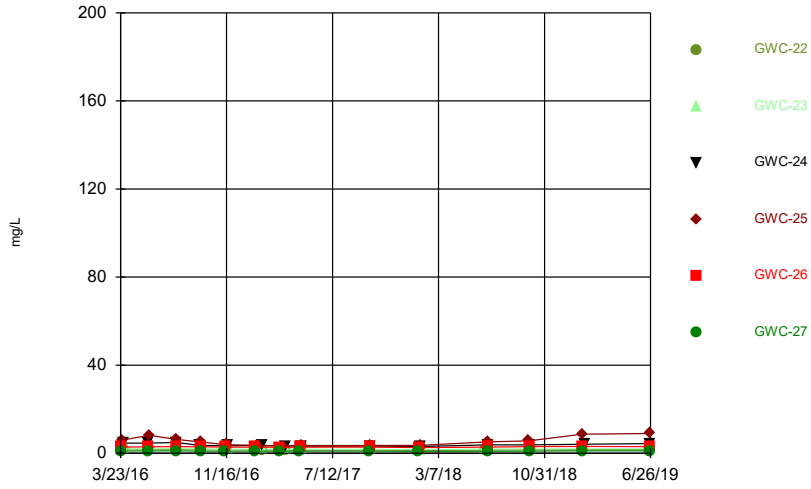

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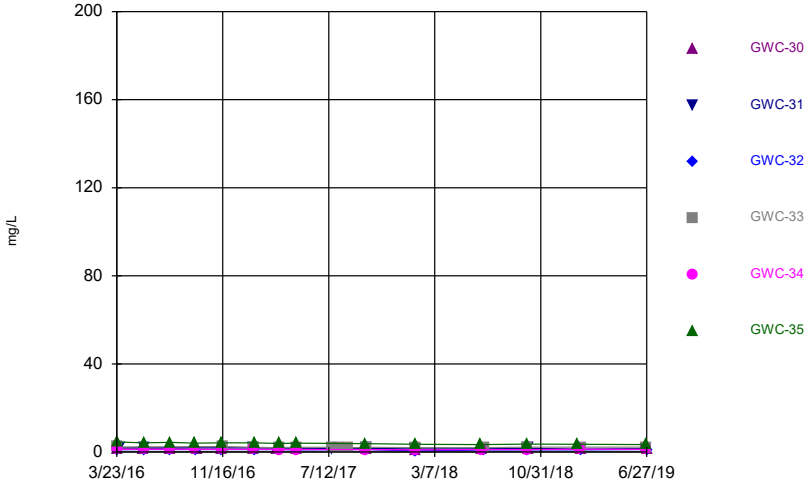

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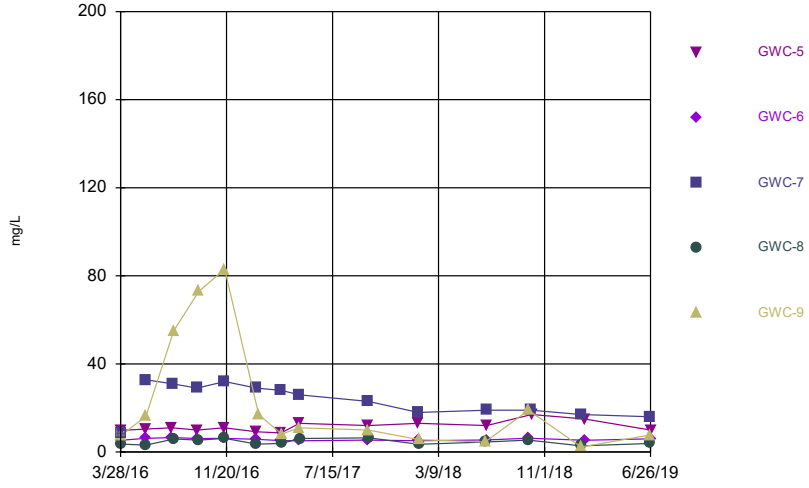

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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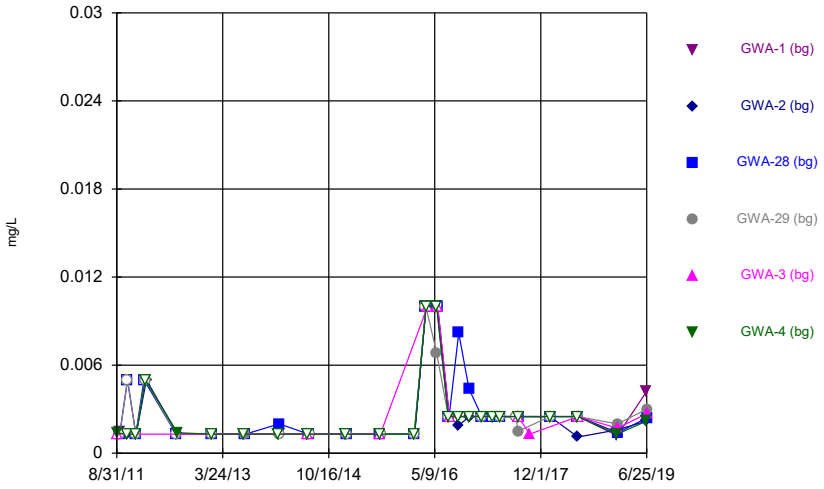

Time Series Analysis Run 8/8/2019 2:09 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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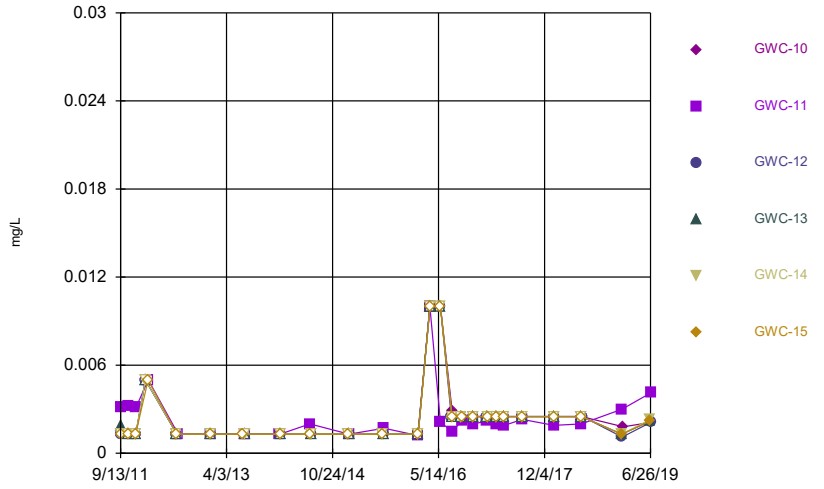

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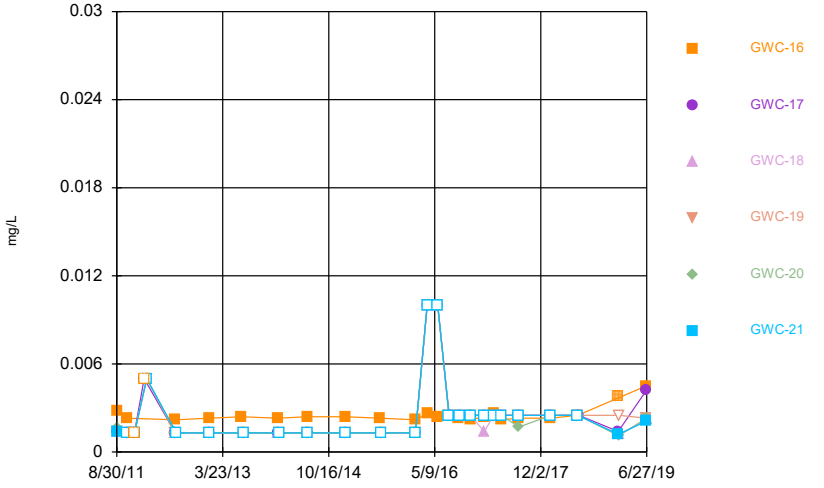

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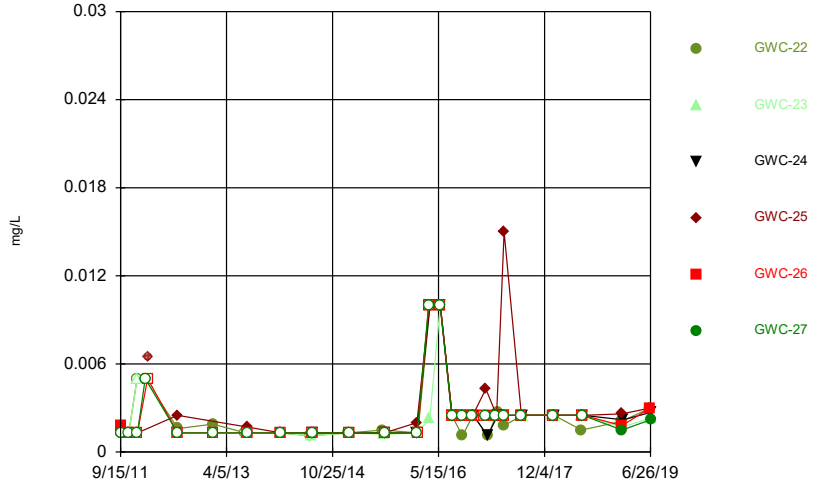

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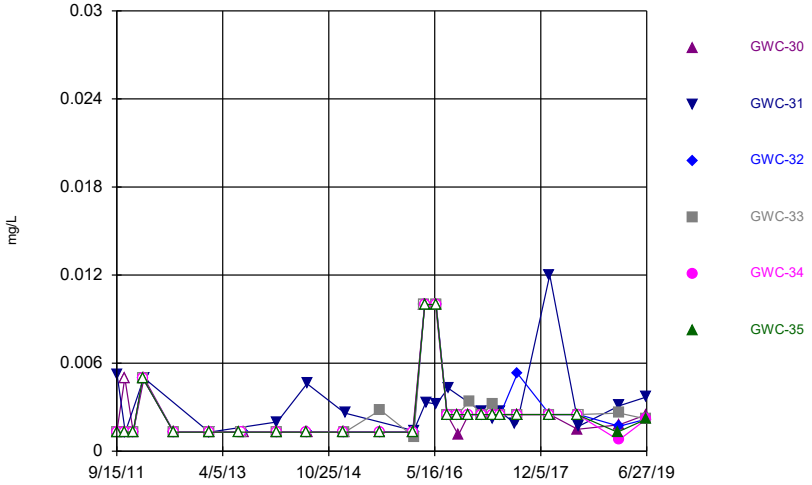

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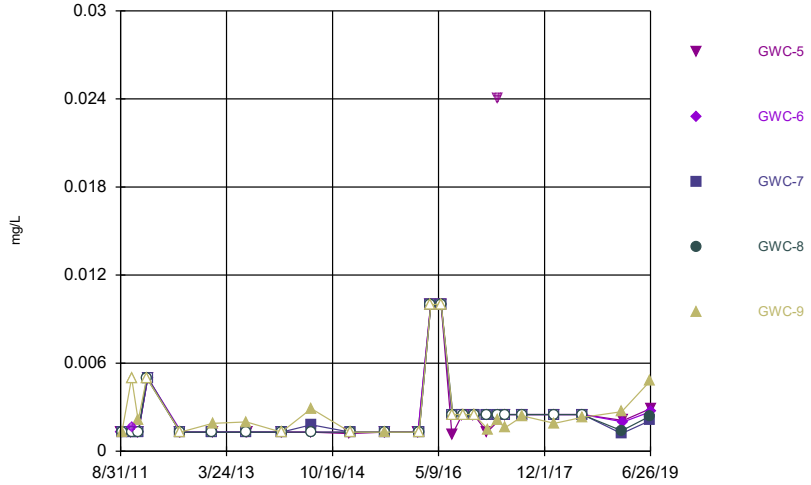

Time Series Analysis Run 8/8/2019 2:09 PM View: Time Series
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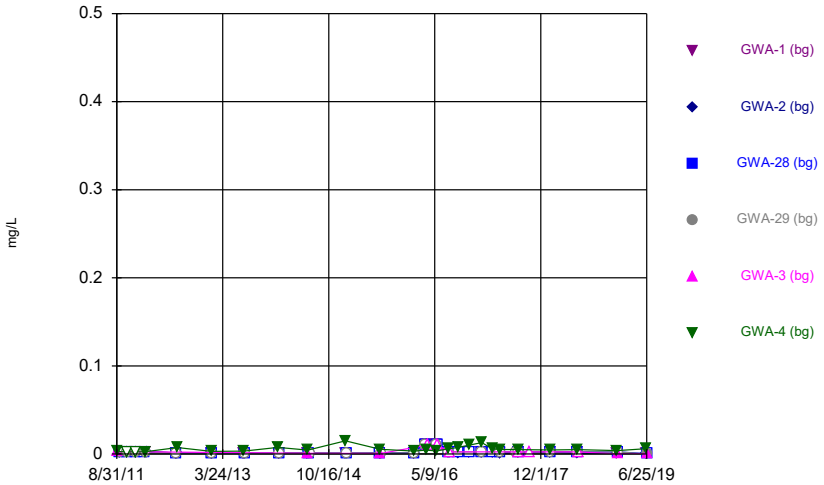

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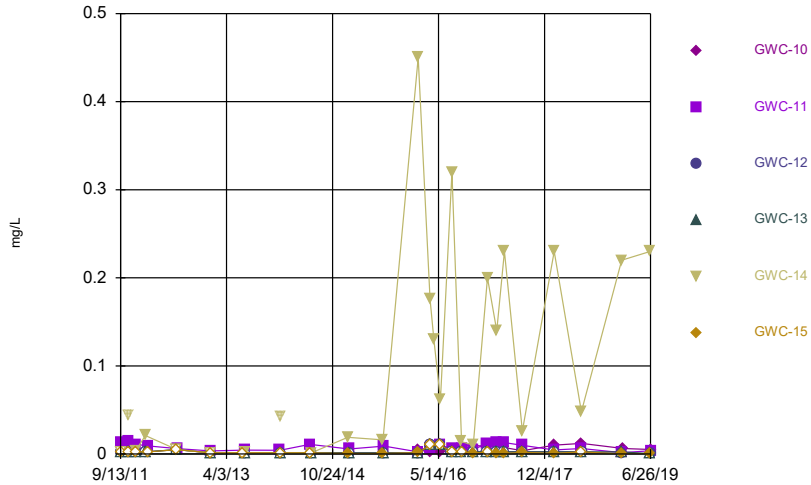

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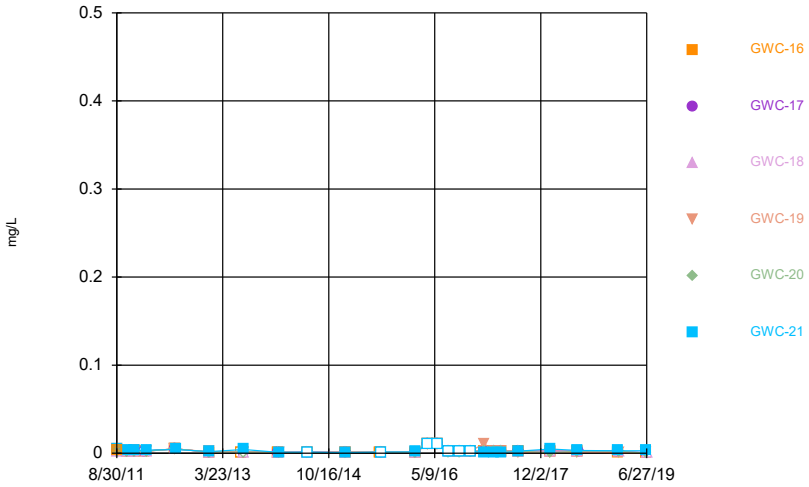

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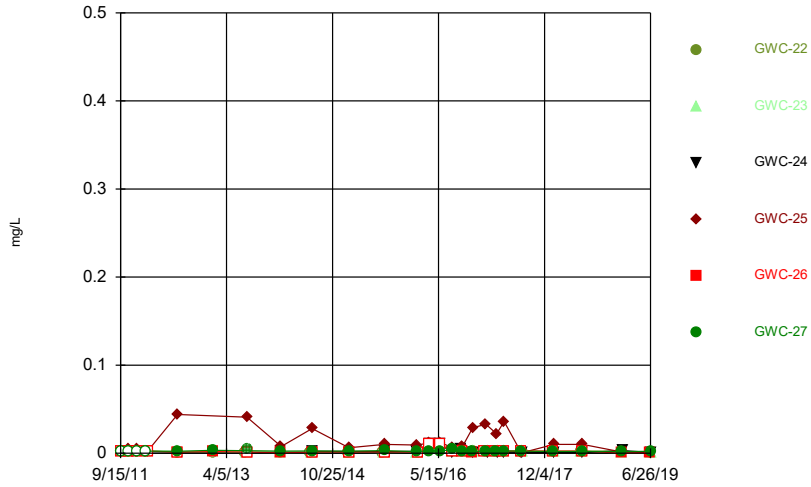

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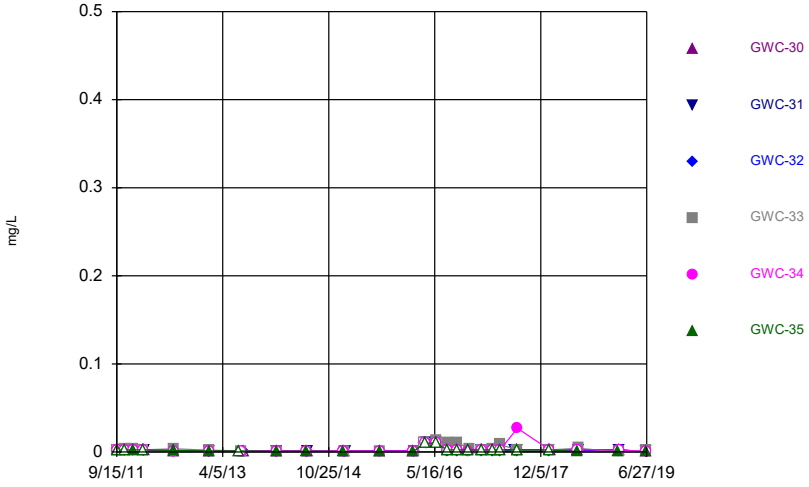
Hollow symbols indicate censored values.

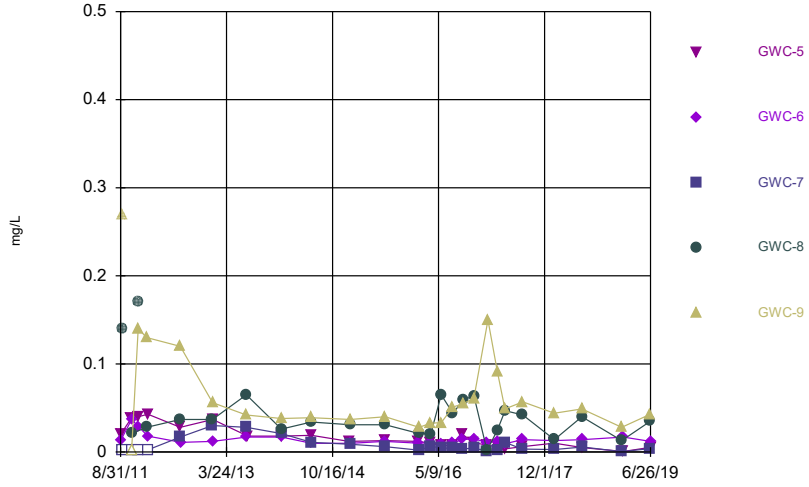
Cobalt



Time Series Analysis Run 8/8/2019 2:09 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Cobalt



Time Series Analysis Run 8/8/2019 2:09 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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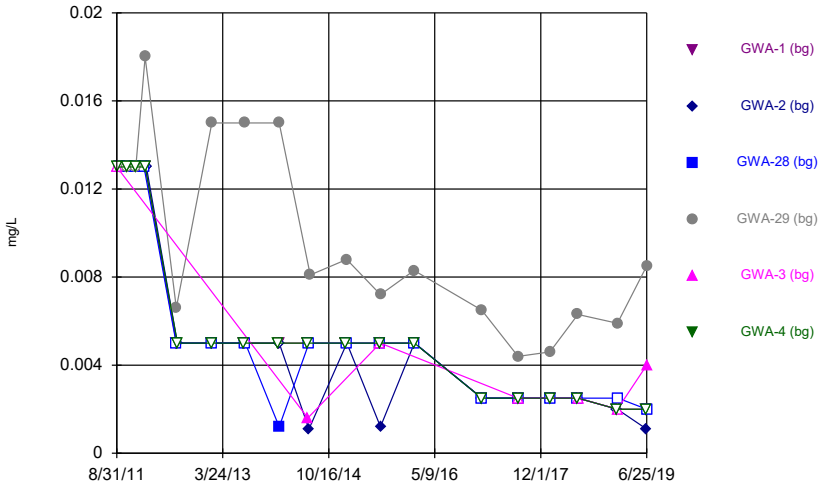
Hollow symbols indicate censored values.

Copper



Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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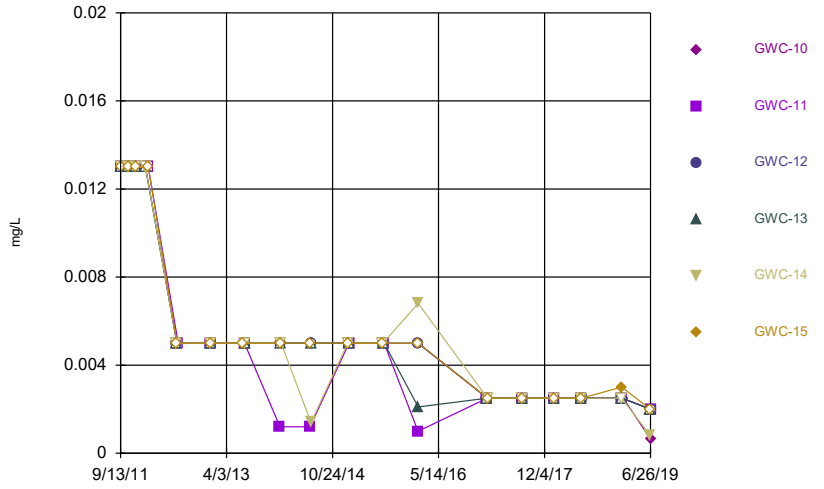

Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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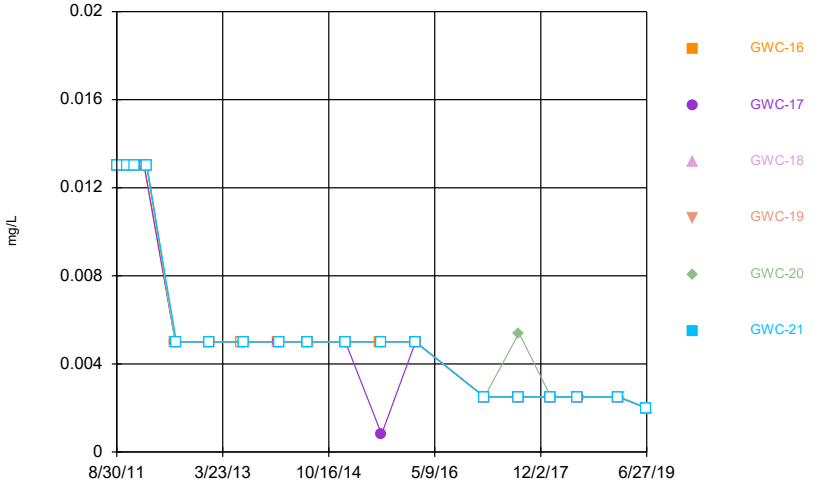

Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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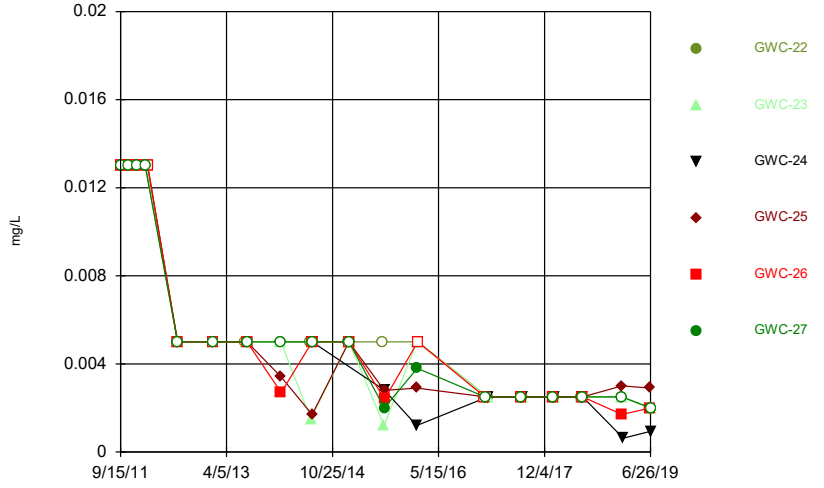

Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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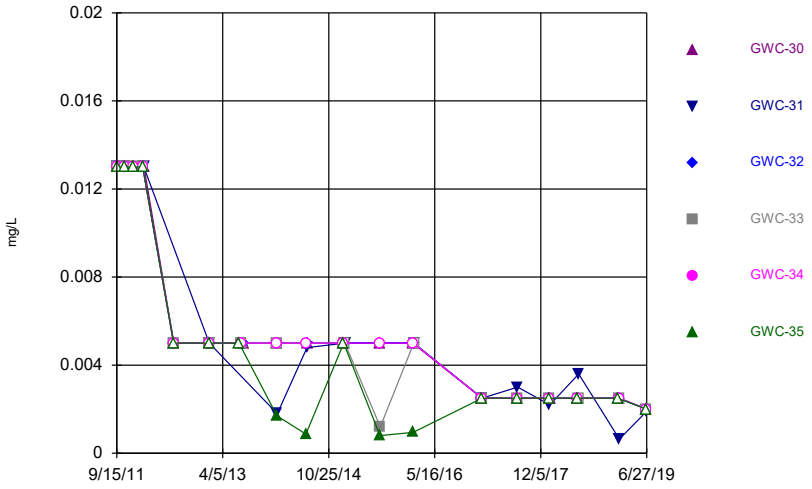

Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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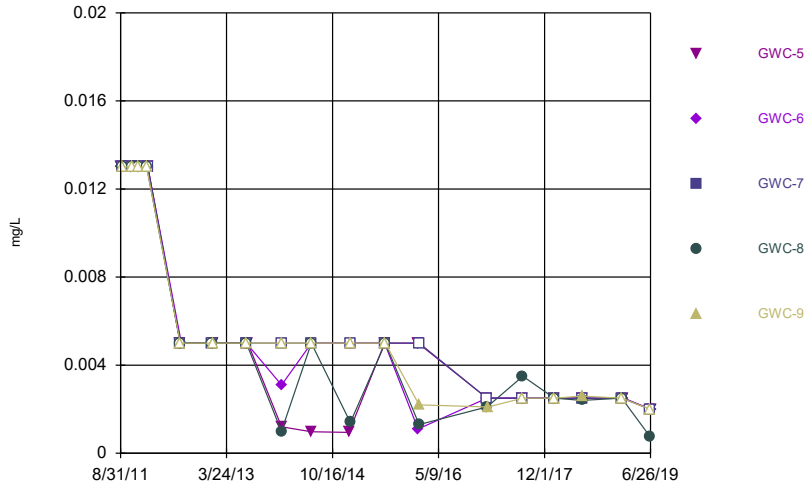

Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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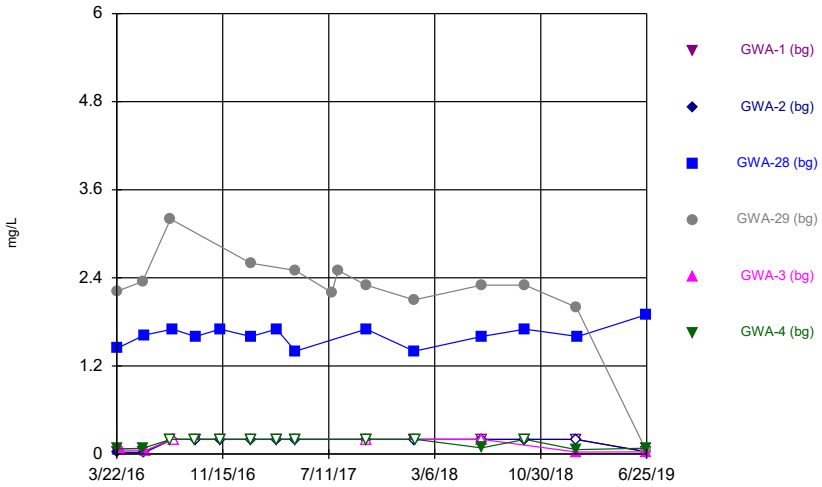
Fluoride



Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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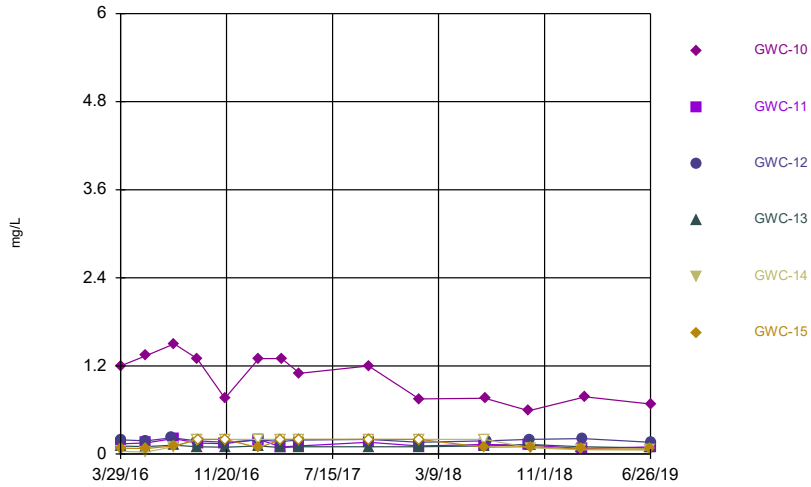
Fluoride



Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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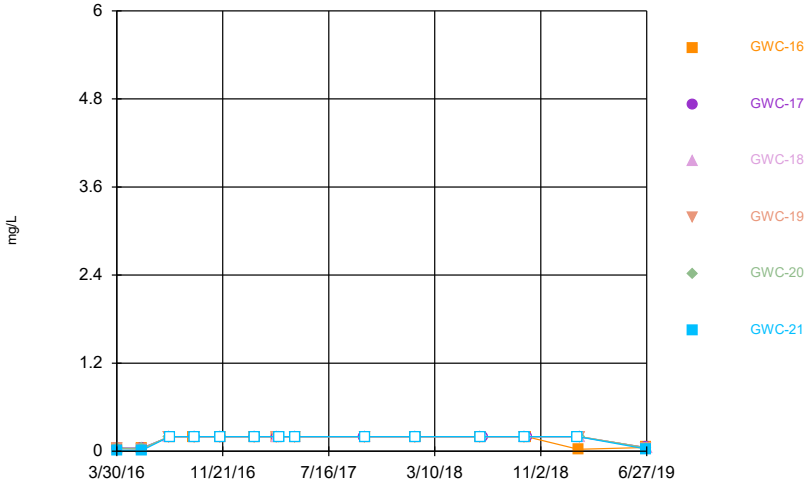

Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
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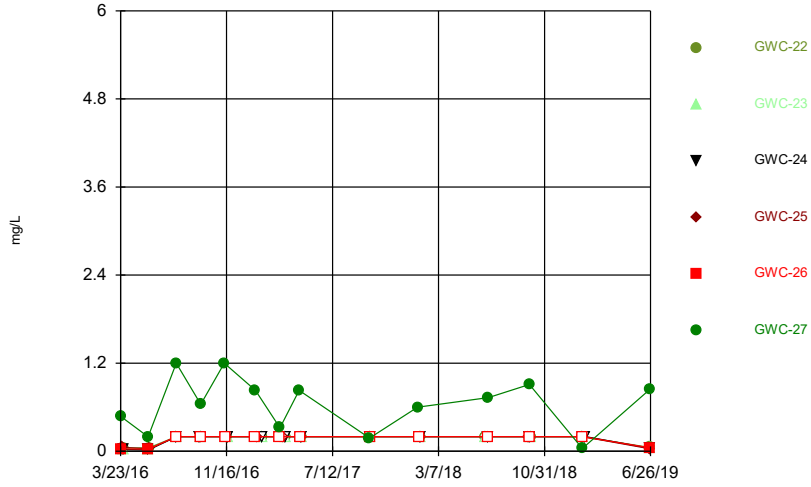
Fluoride



Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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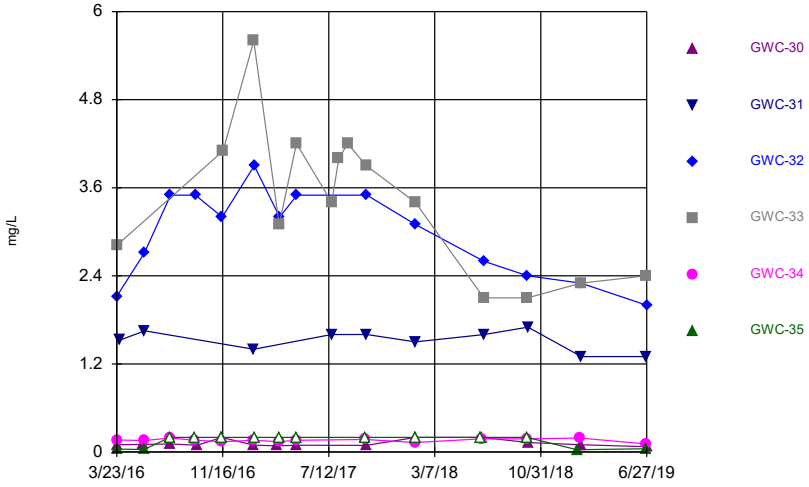

Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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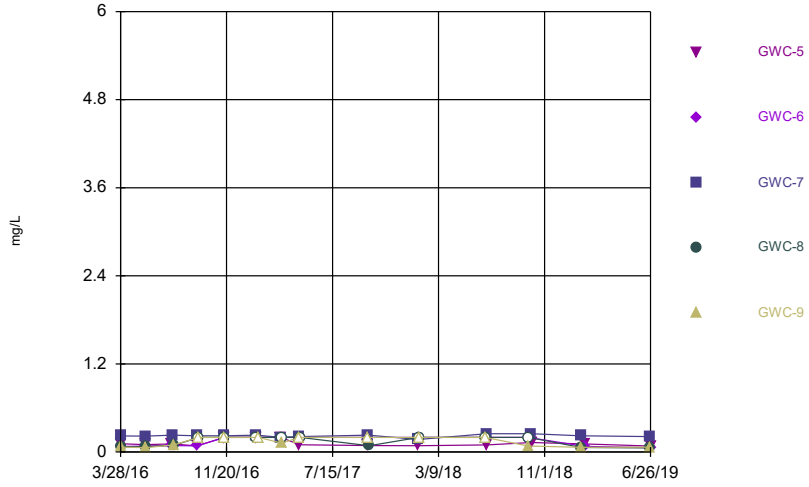
Fluoride



Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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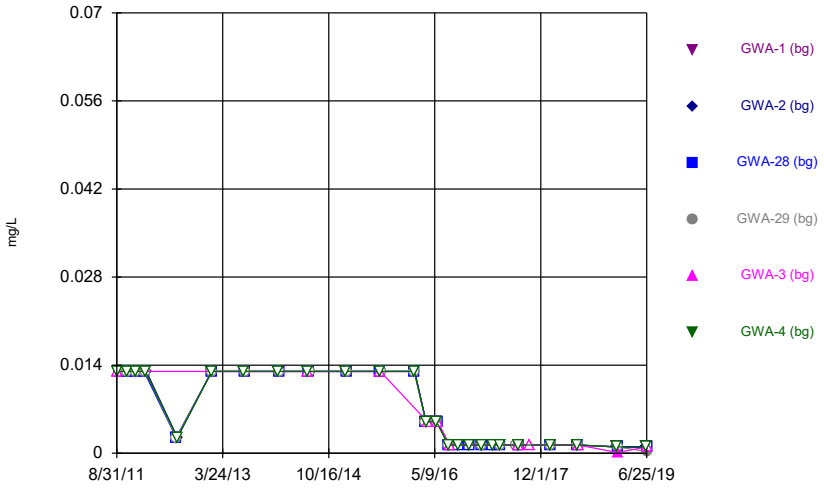
Lead



Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
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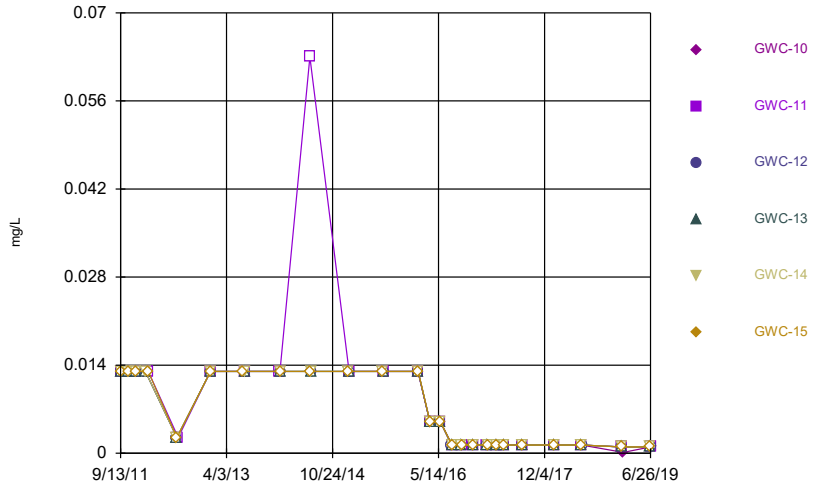

Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
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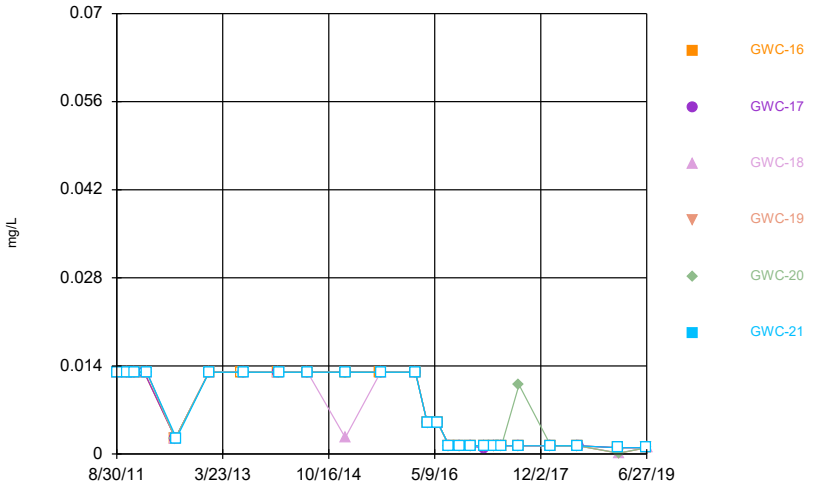

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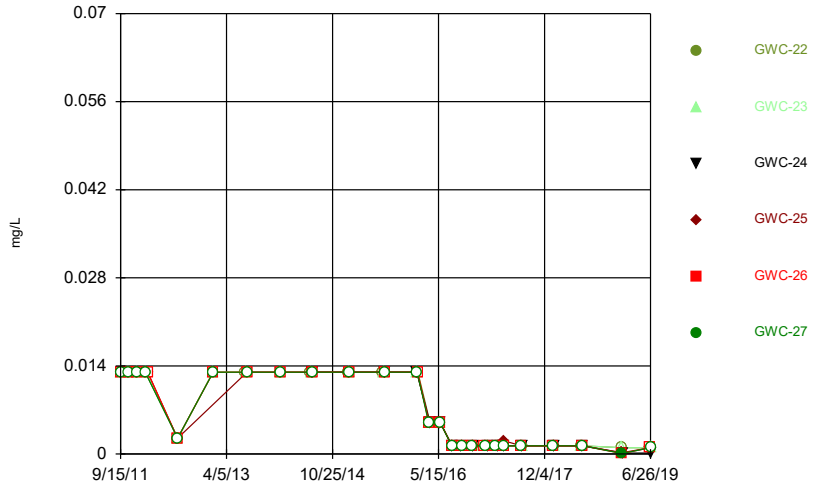

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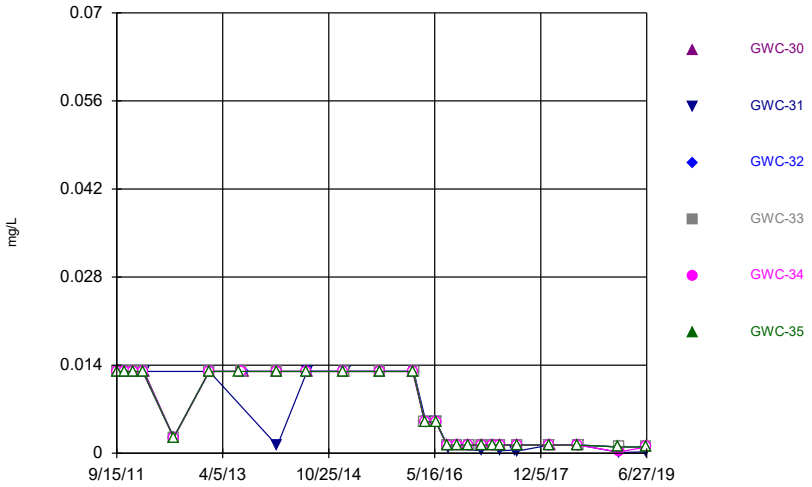

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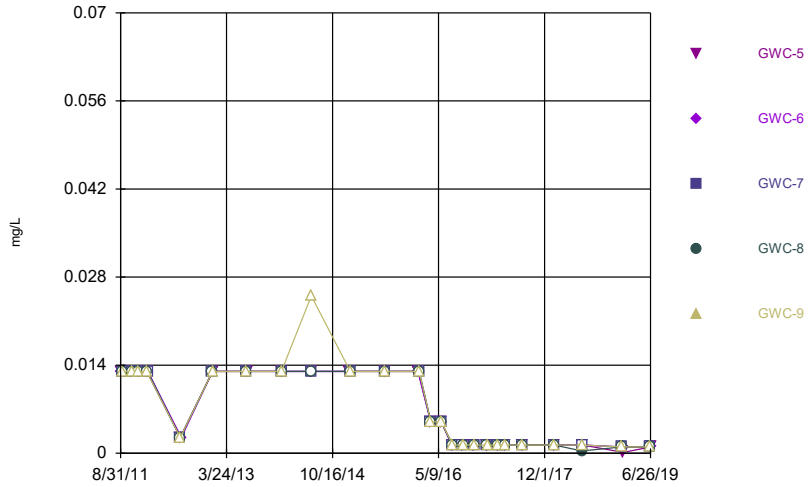

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Plant Wansley Client: Southern Company Data: Wansley Landfill

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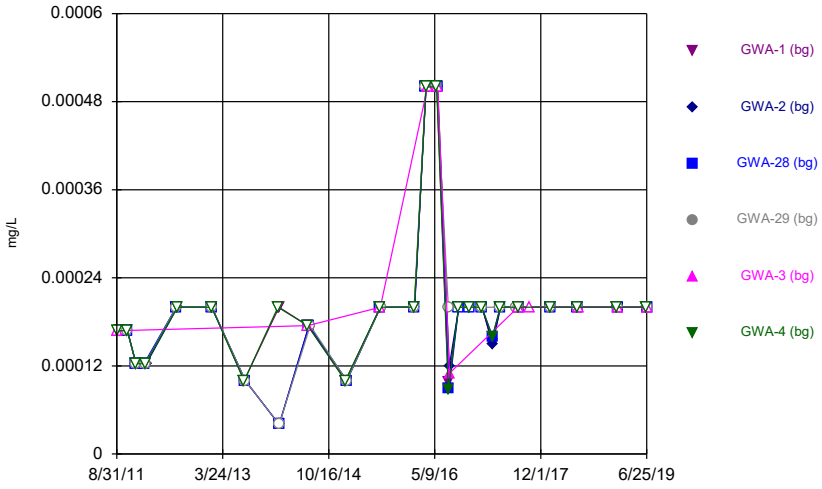
Mercury



Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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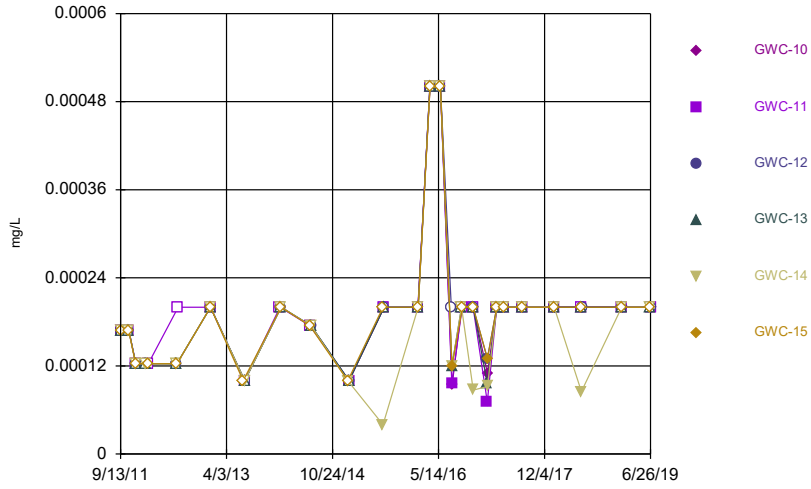

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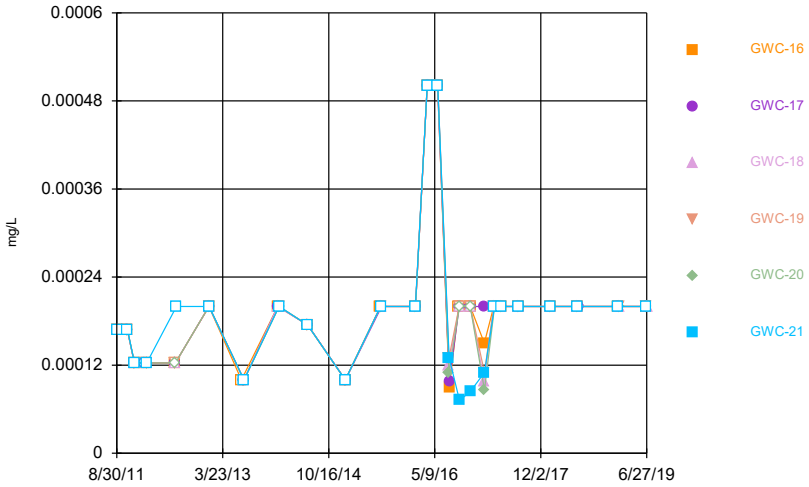

Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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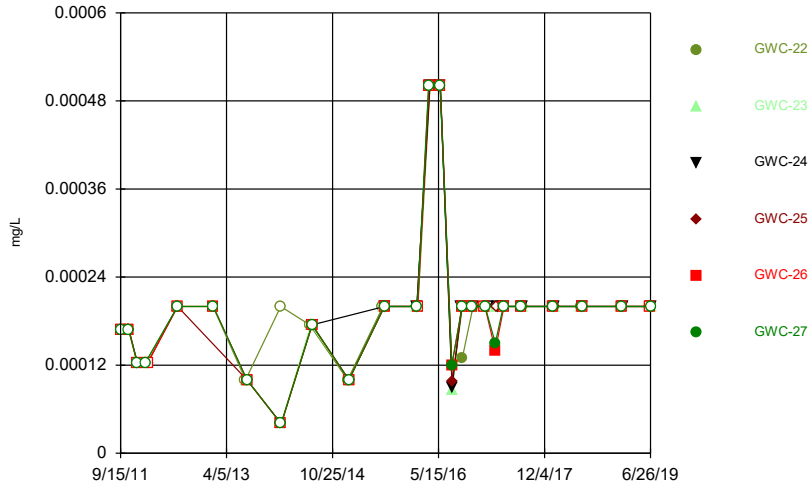

Time Series Analysis Run 8/8/2019 2:10 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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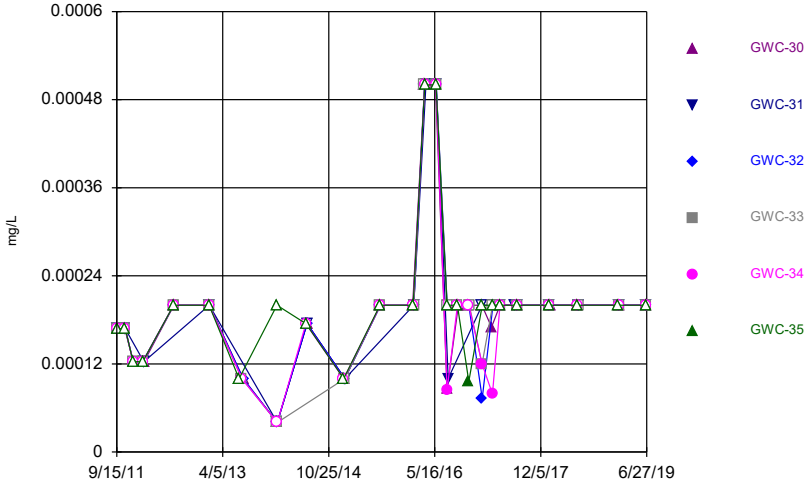

Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
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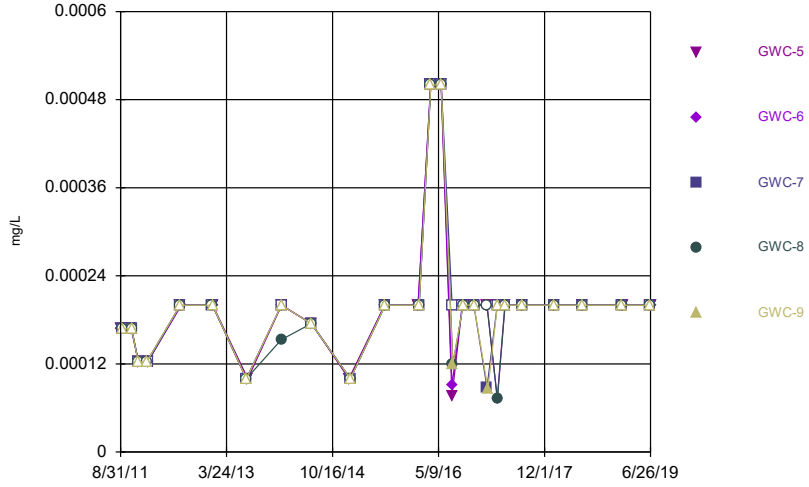

Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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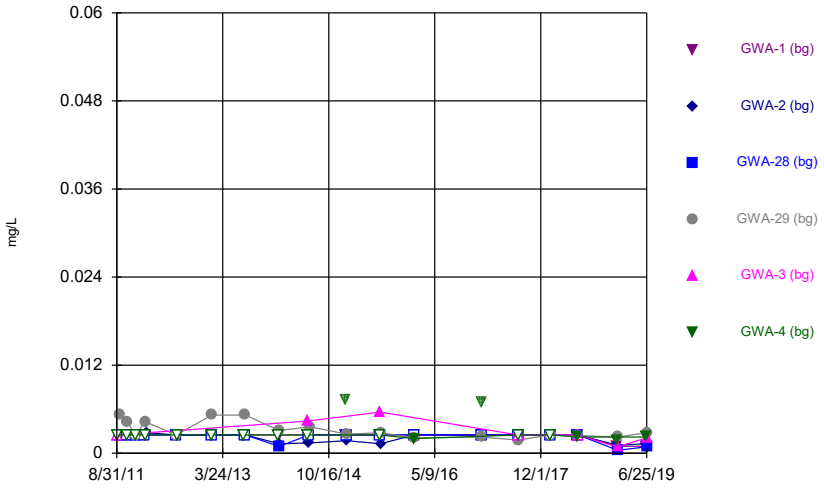
Nickel



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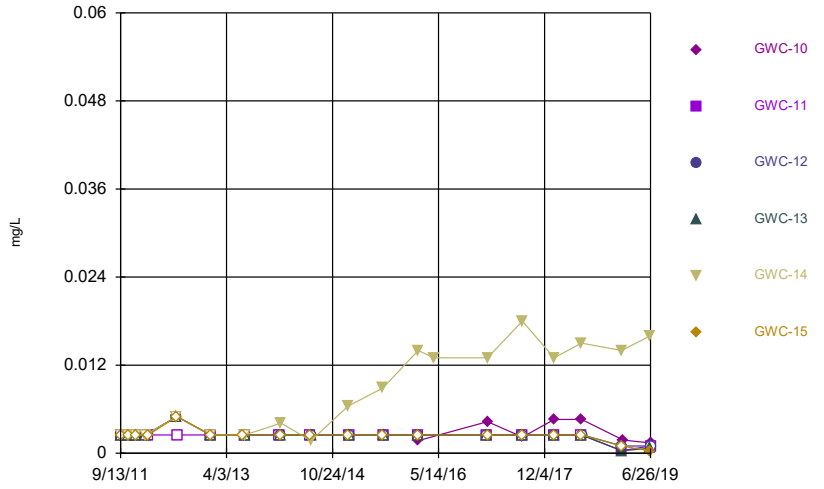
Nickel



Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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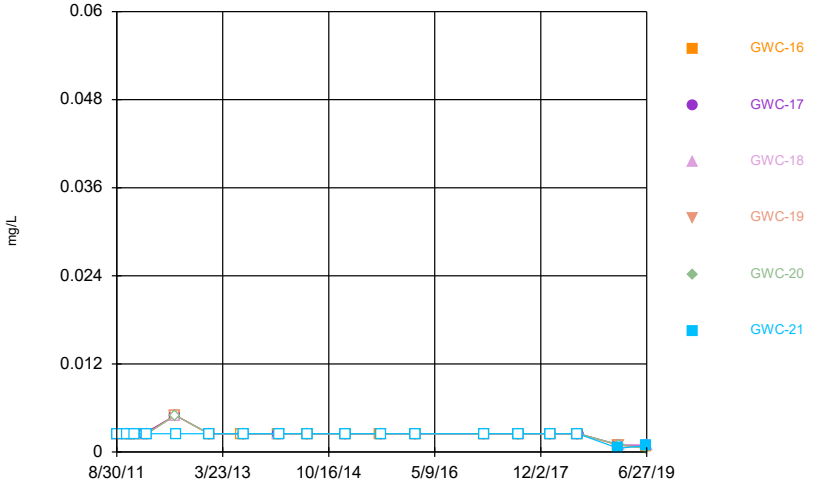

Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
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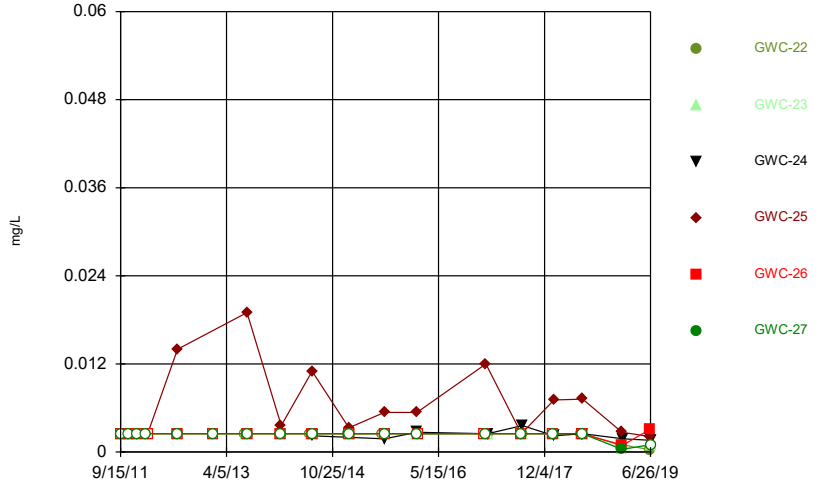

Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
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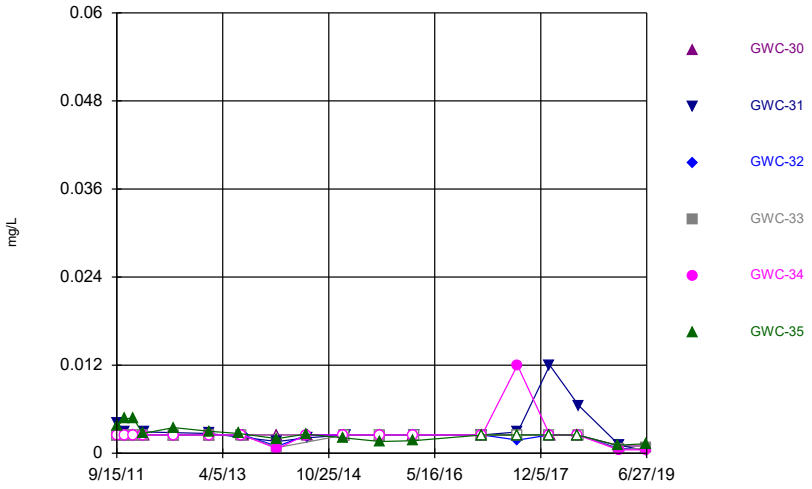

Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
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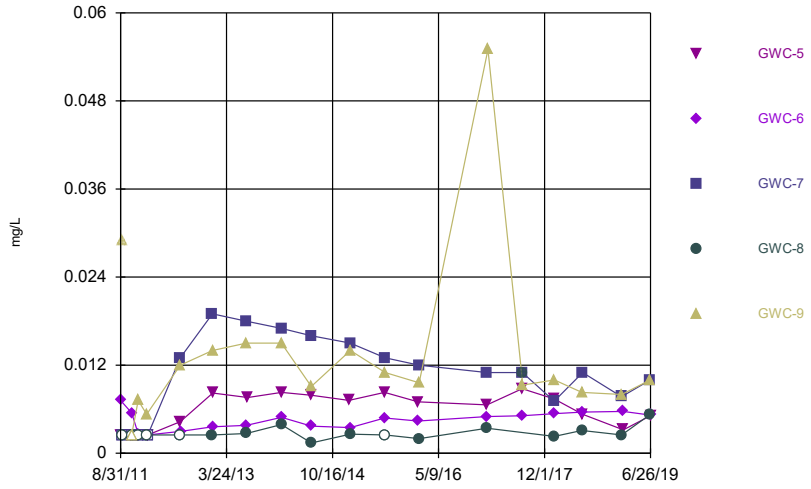
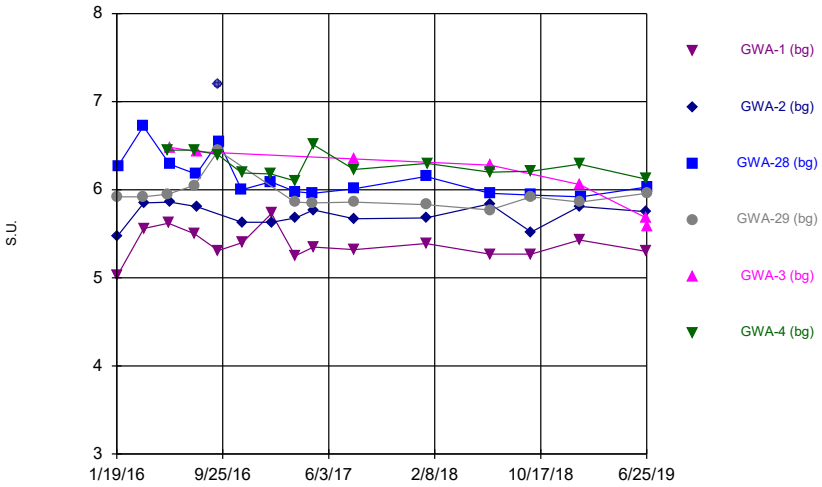


Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

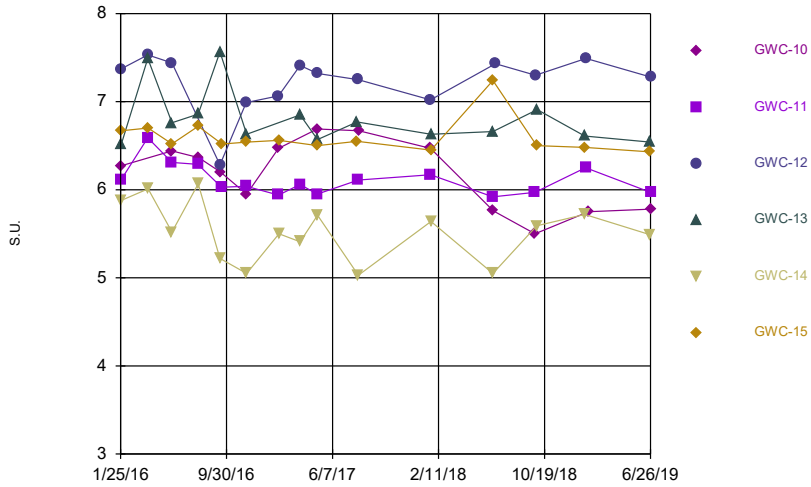
pH



Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

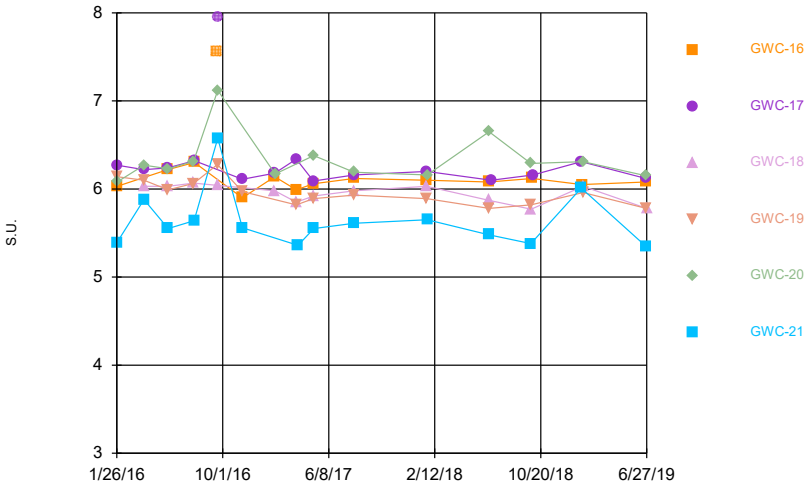
Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

pH



Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

pH



Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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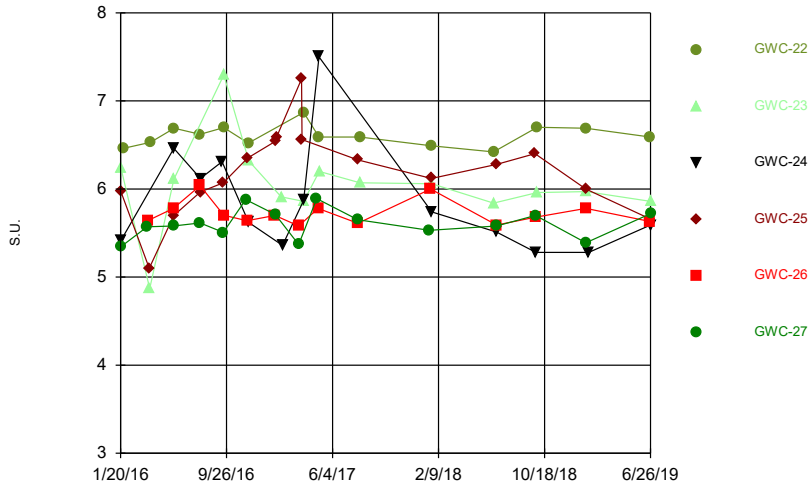
pH



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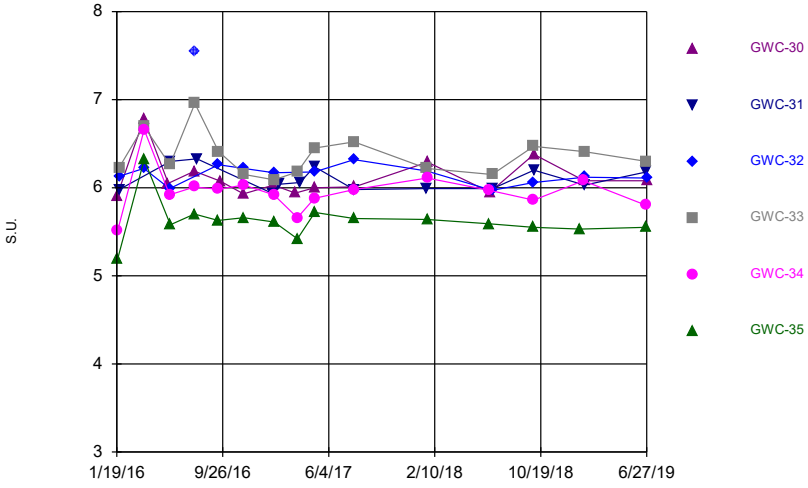
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG

pH



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Plant Wansley Client: Southern Company Data: Wansley Landfill

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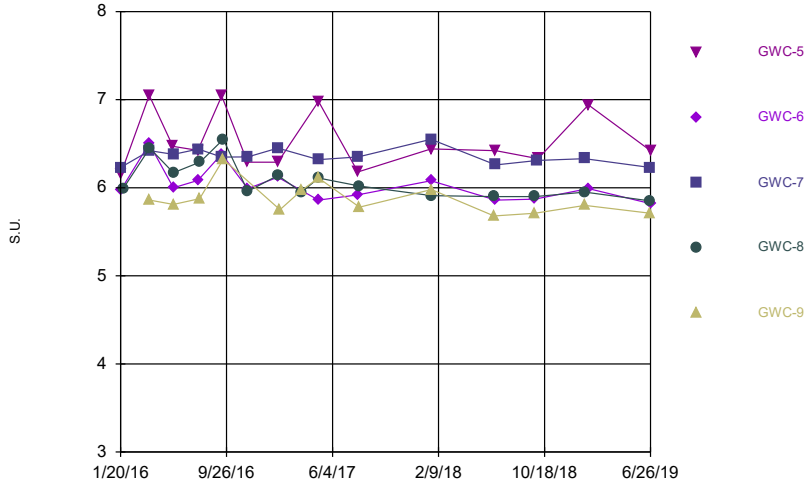
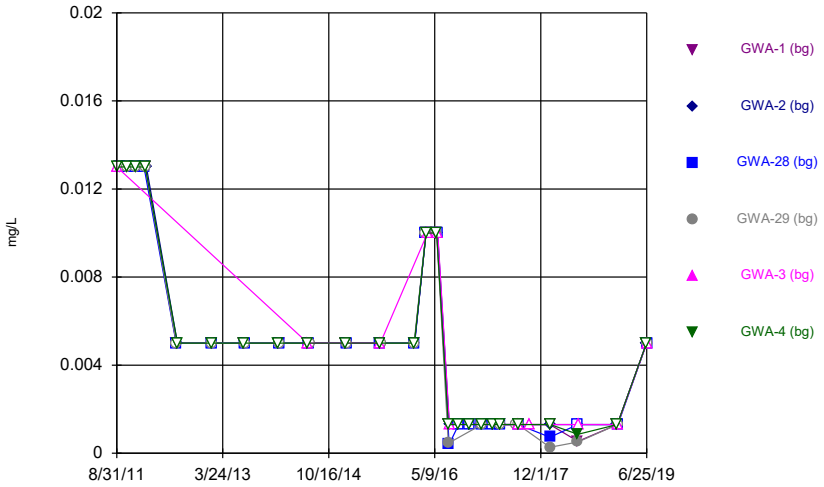
pH



Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Selenium



Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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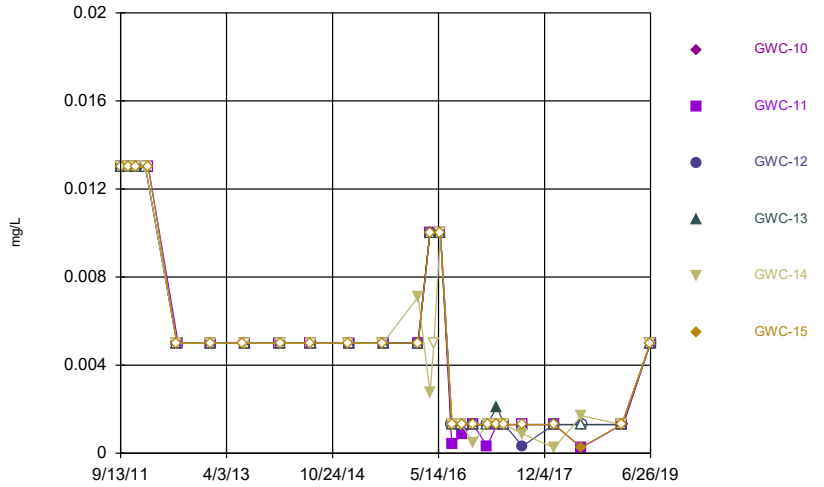

Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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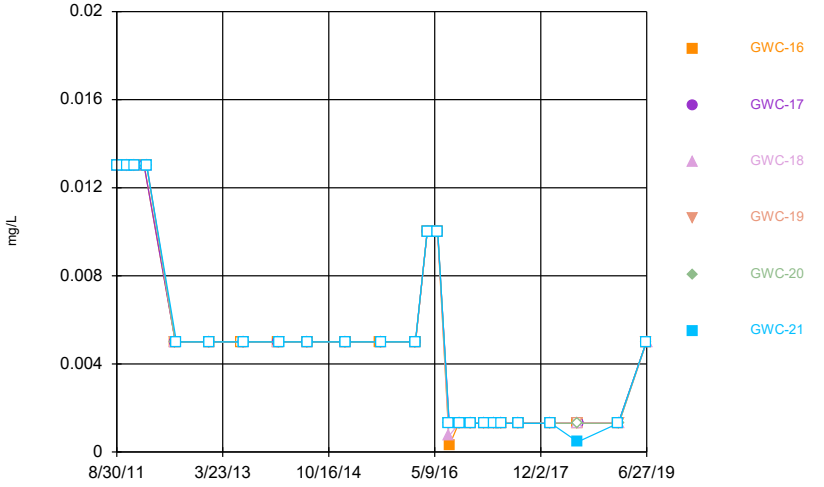
Hollow symbols indicate censored values.

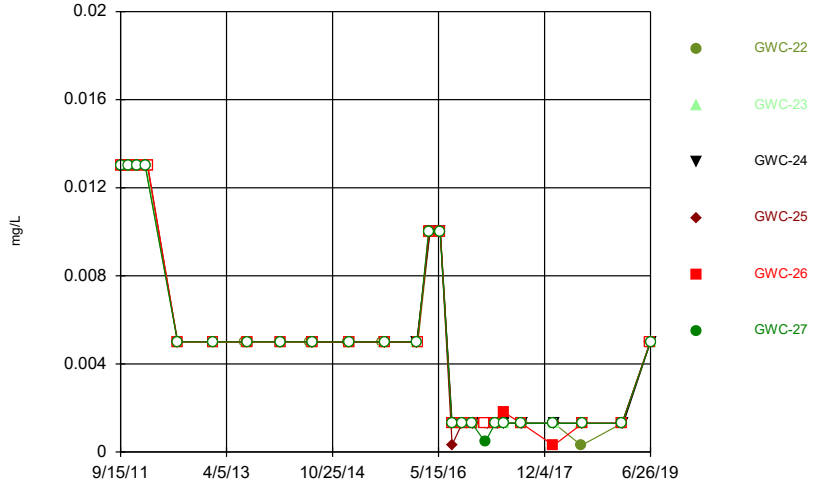
Selenium



Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
Hollow symbols indicate censored values.

Selenium



Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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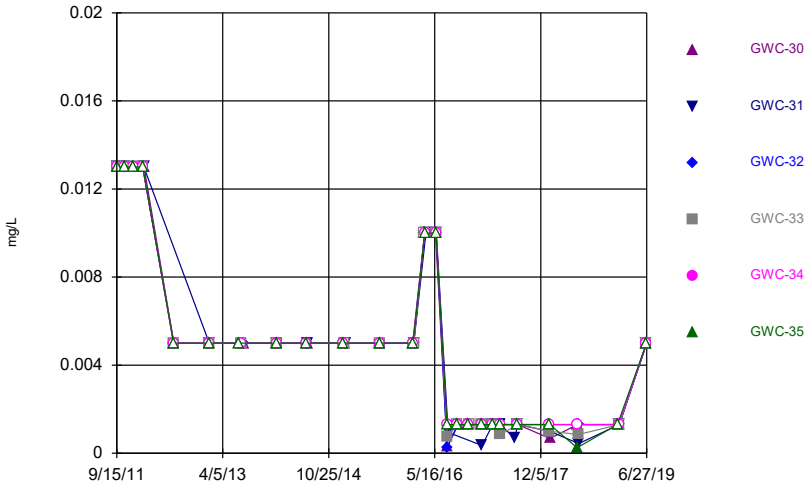

Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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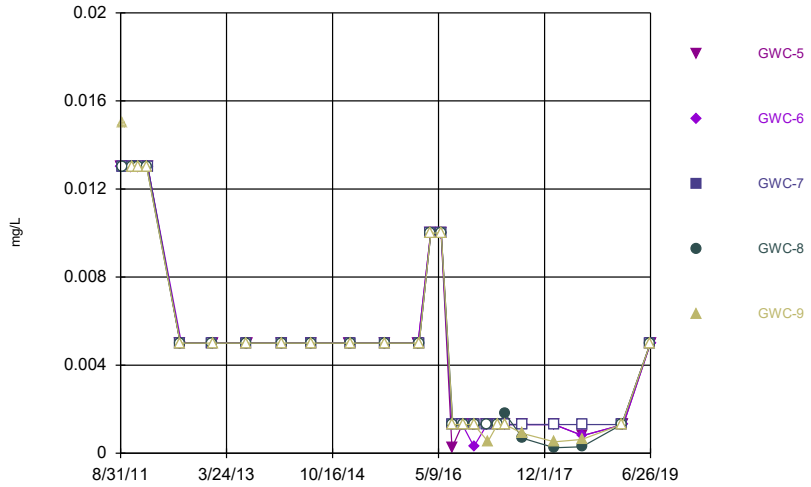

Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
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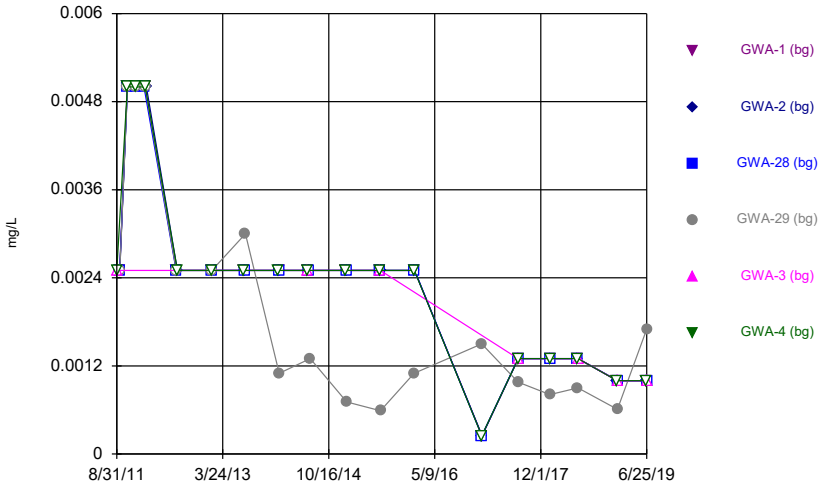

Time Series Analysis Run 8/8/2019 2:11 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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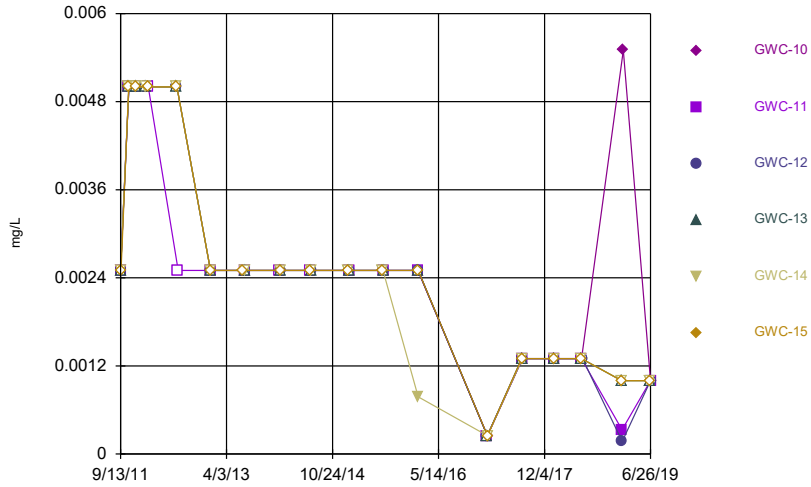

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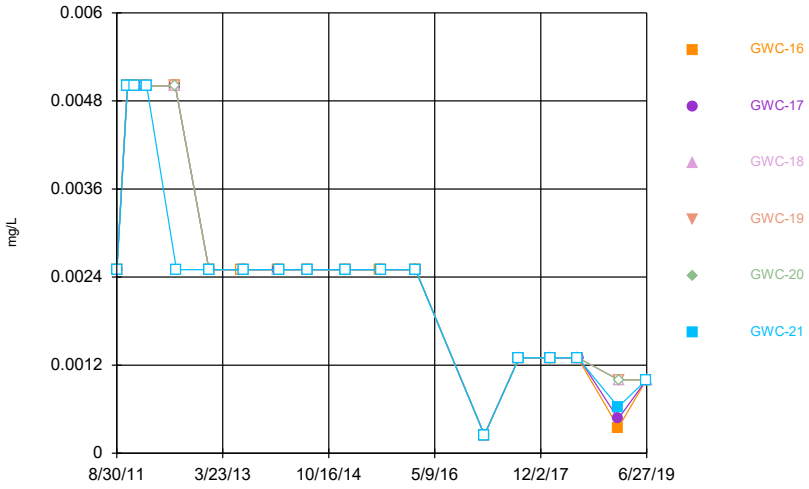

Time Series Analysis Run 8/8/2019 2:12 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

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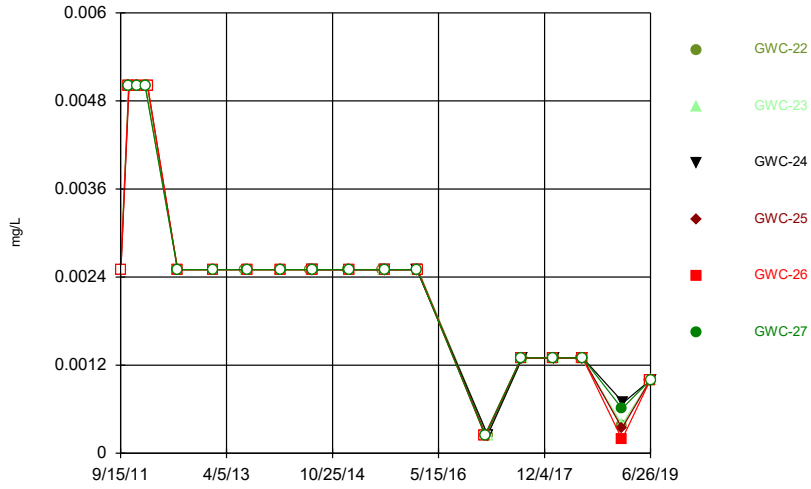

Time Series Analysis Run 8/8/2019 2:12 PM View: Time Series
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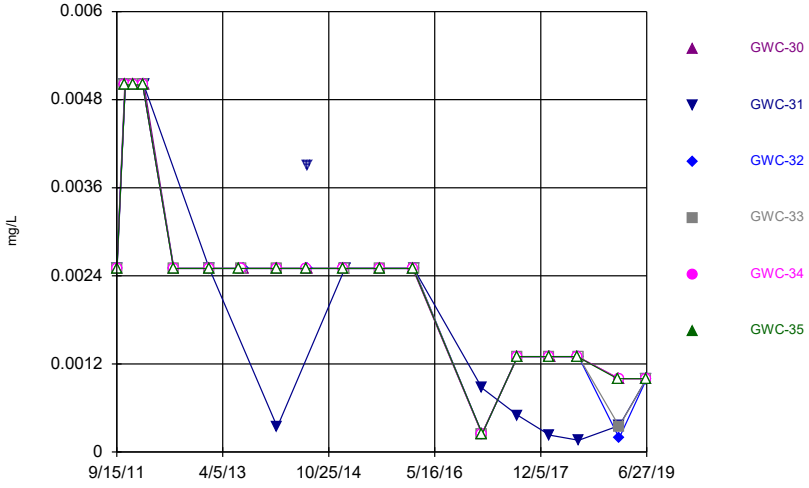

Time Series Analysis Run 8/8/2019 2:12 PM View: Time Series
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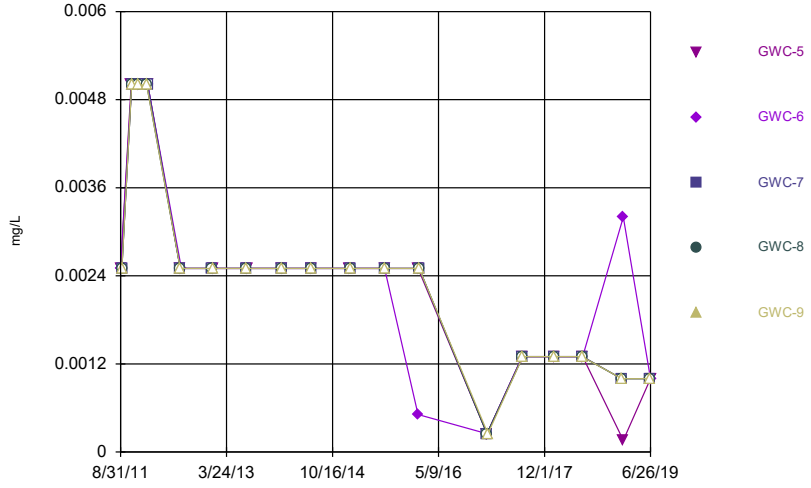

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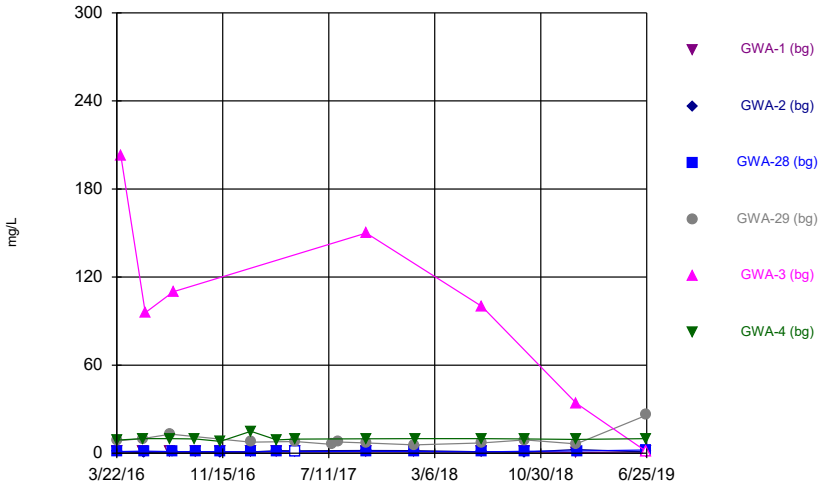

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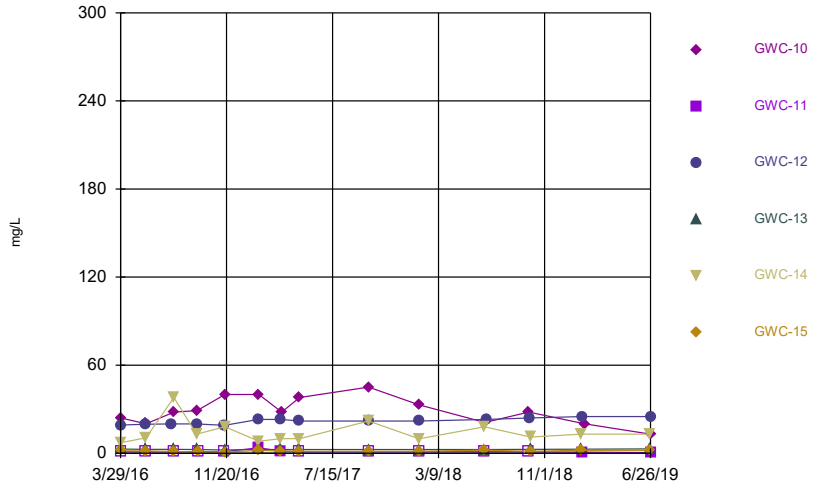

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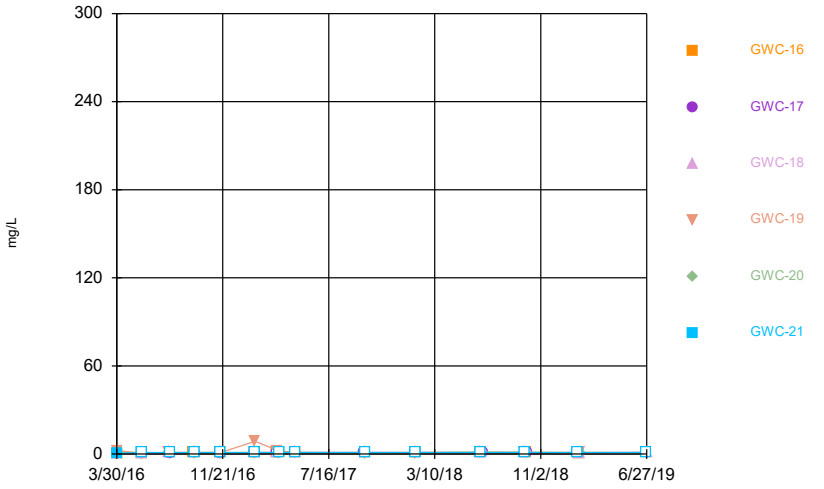

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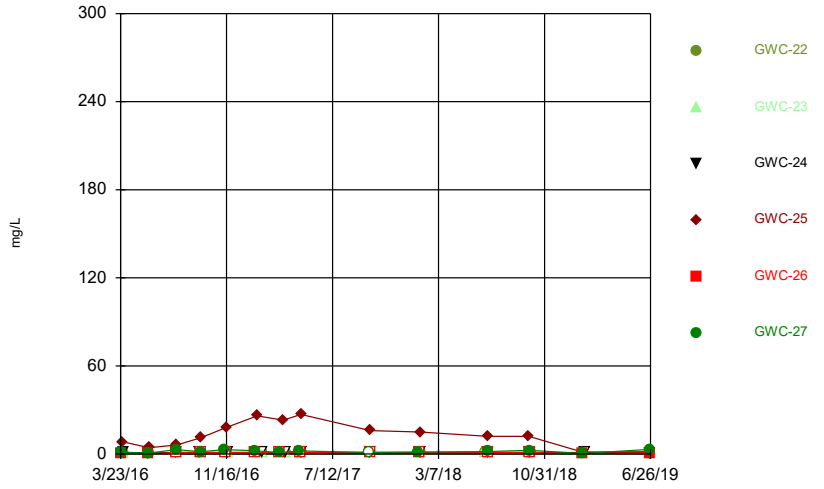

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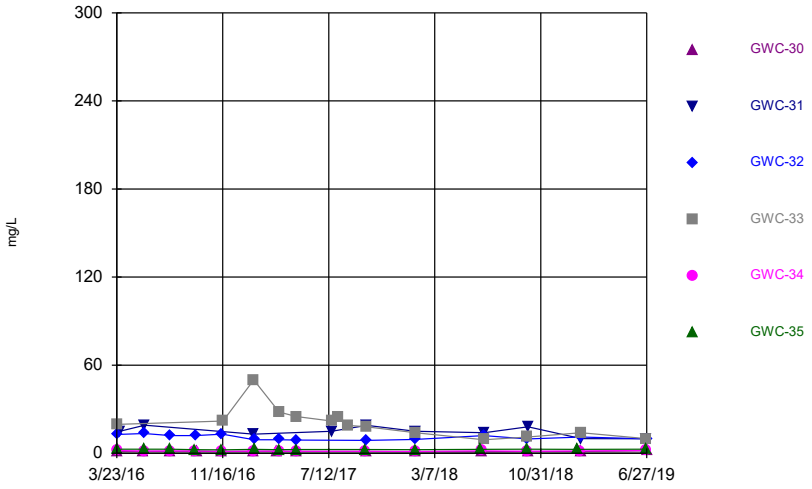

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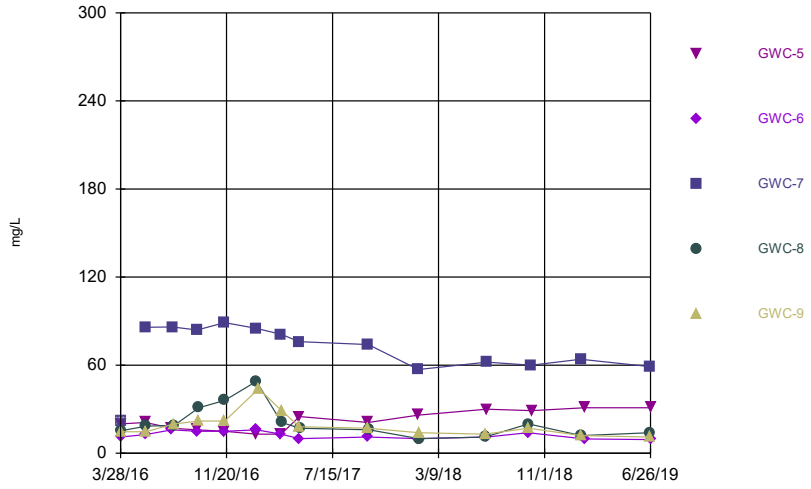

Time Series Analysis Run 8/8/2019 2:12 PM View: Time Series
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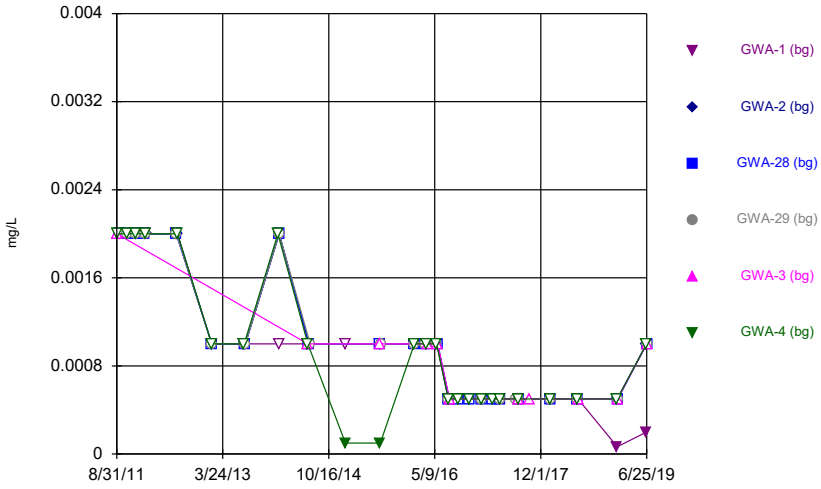
Thallium



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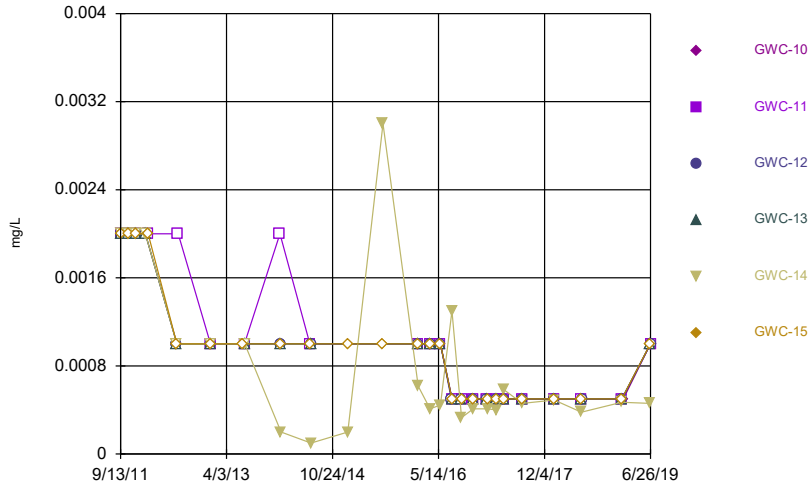

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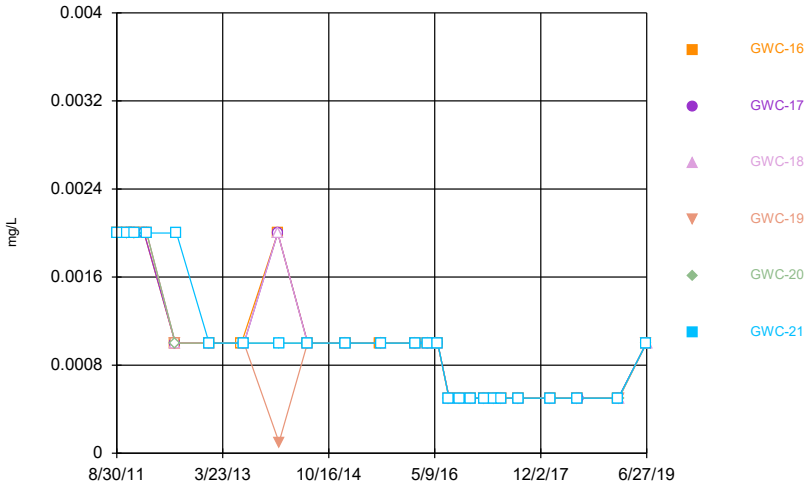

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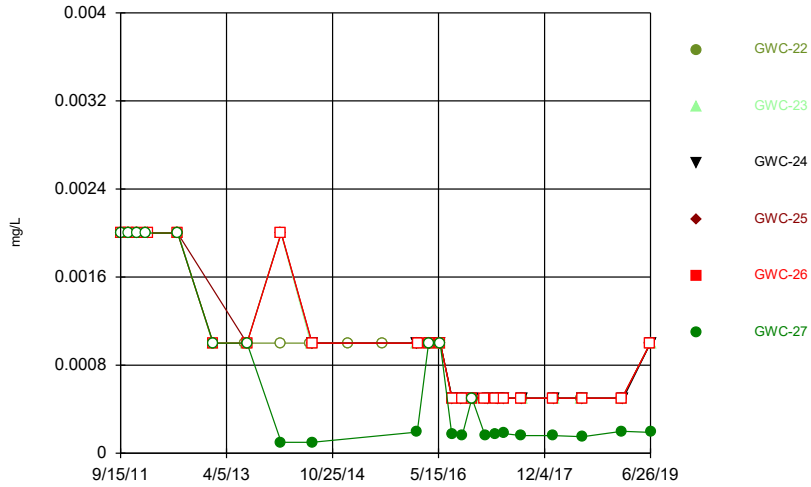

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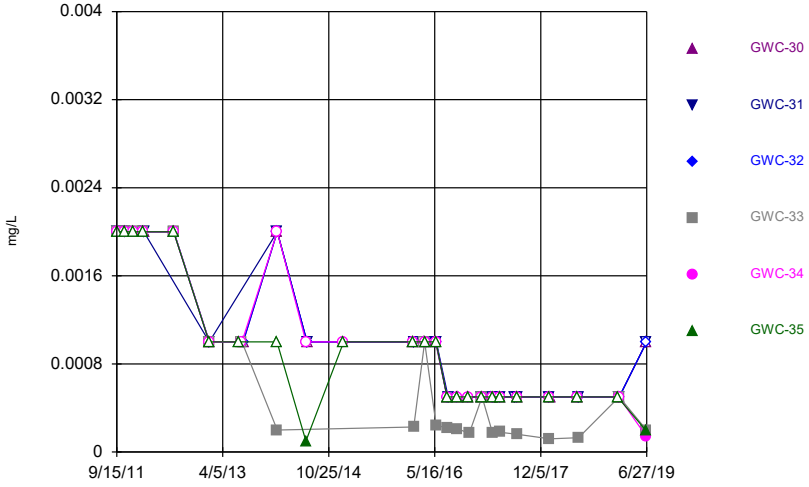

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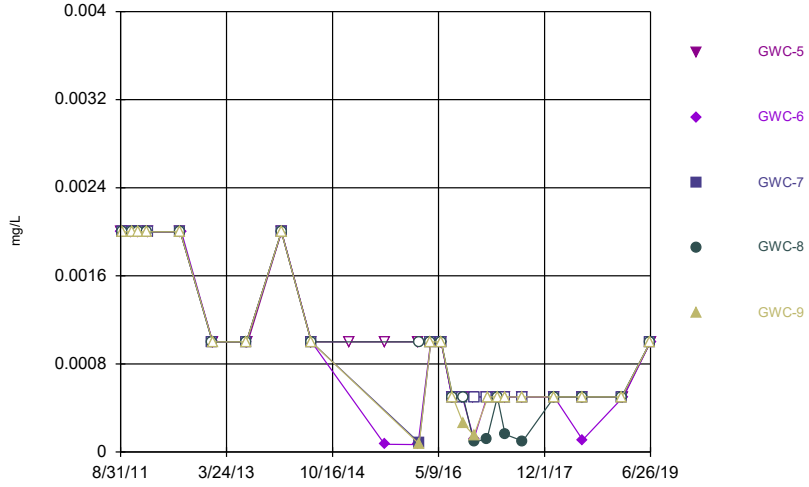

Time Series Analysis Run 8/8/2019 2:12 PM View: Time Series
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
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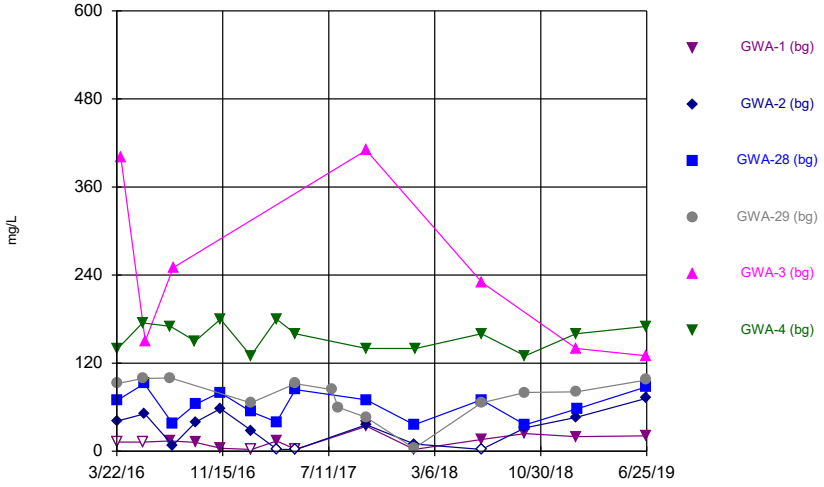
Total Dissolved Solids



Time Series Analysis Run 8/8/2019 2:12 PM View: Time Series
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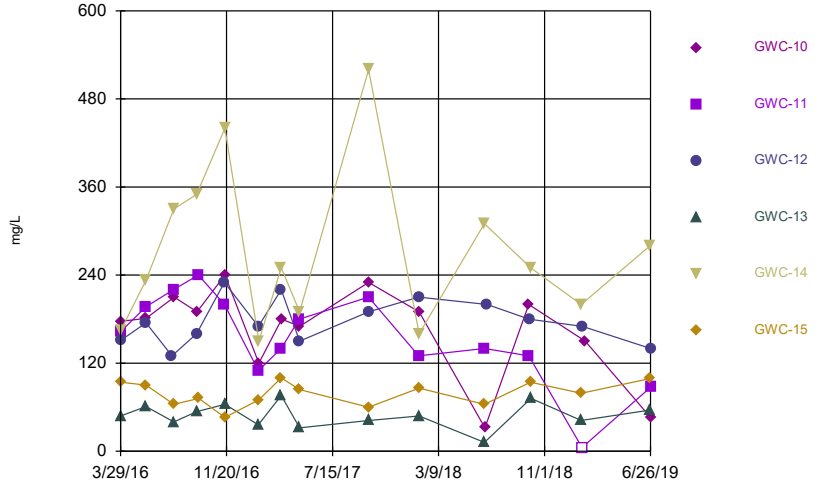

Time Series Analysis Run 8/8/2019 2:12 PM View: Time Series
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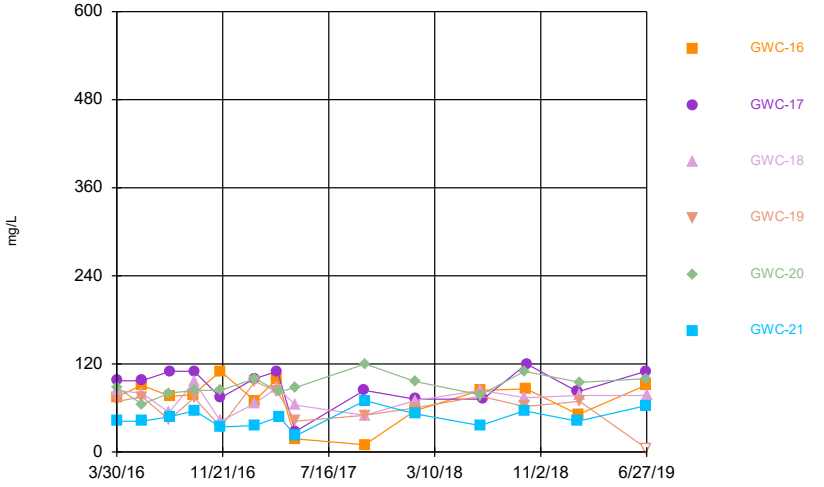

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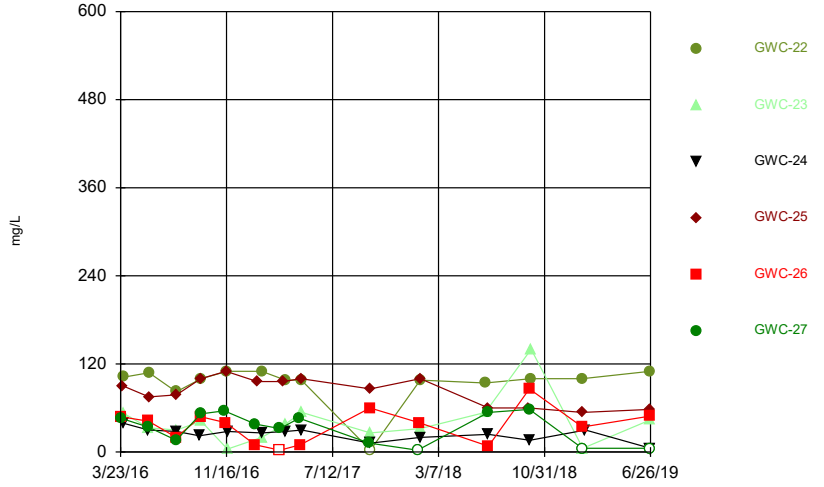

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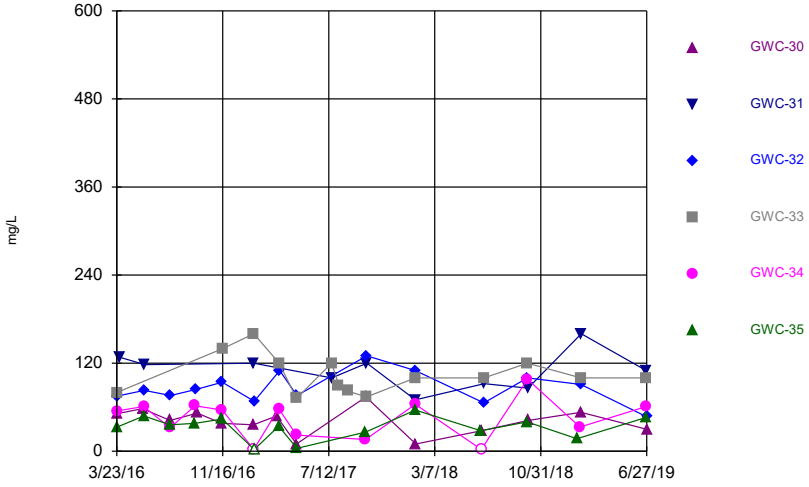

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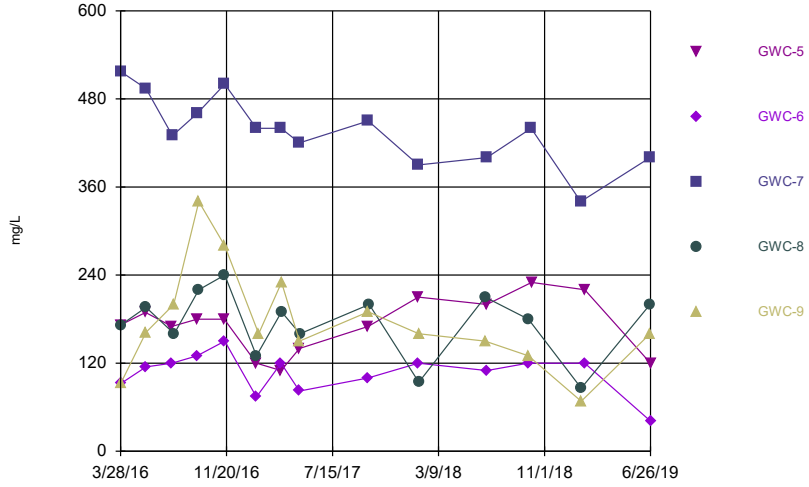

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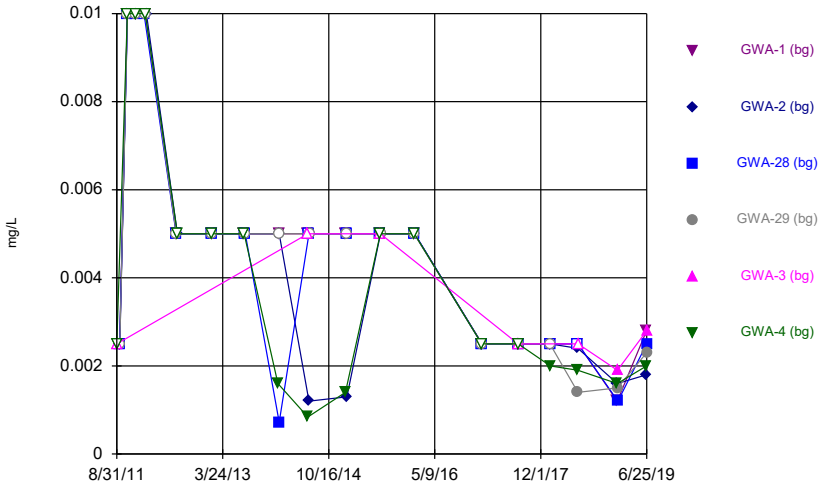
Vanadium



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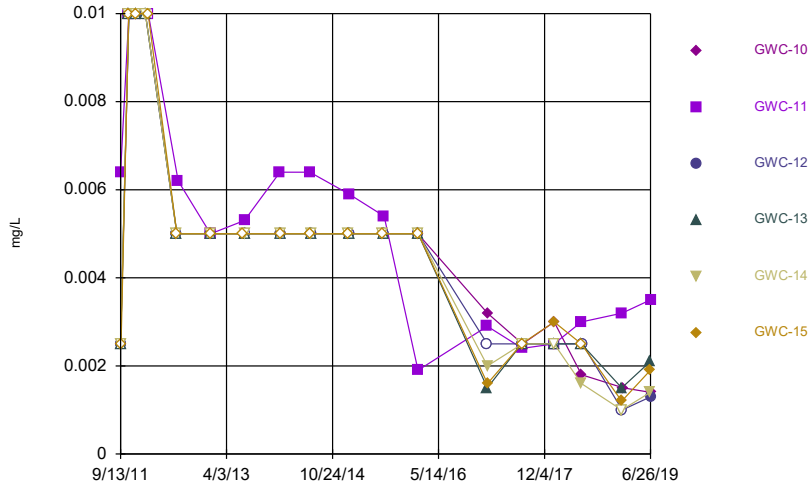

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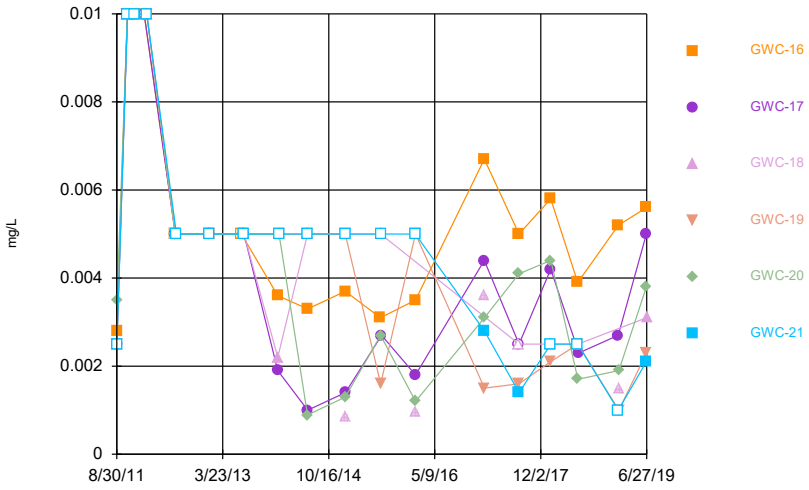

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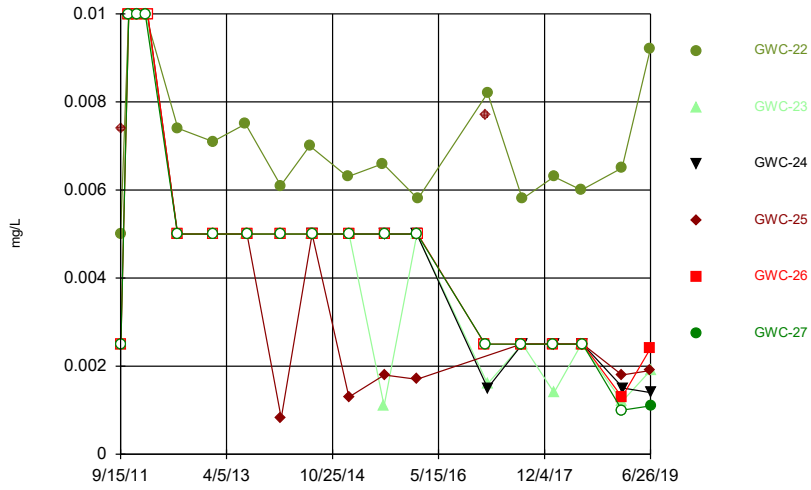

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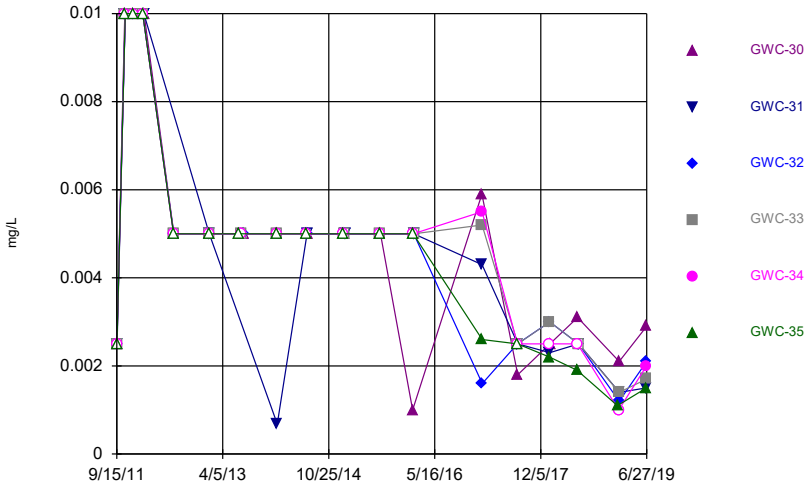

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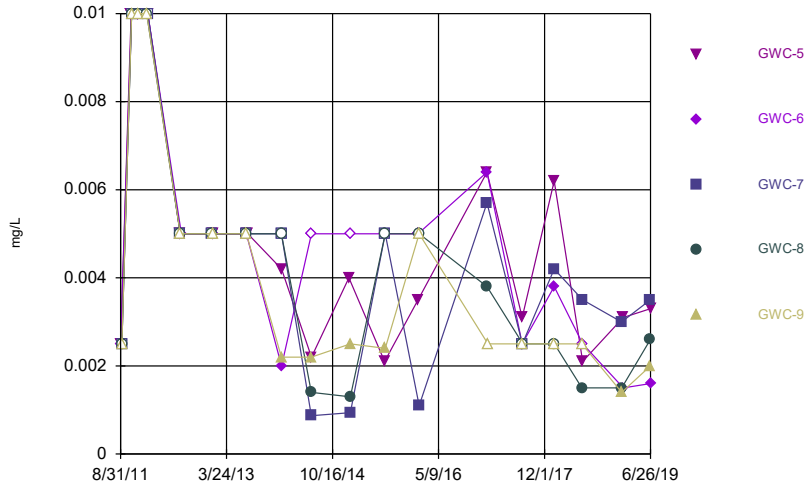

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Sanitas™ v.9.6.20 Sanitas software licensed to ACC. UG
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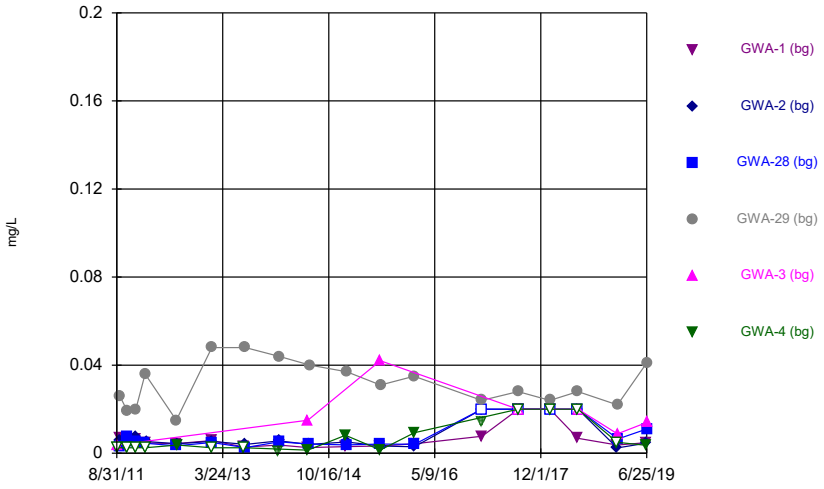
Zinc



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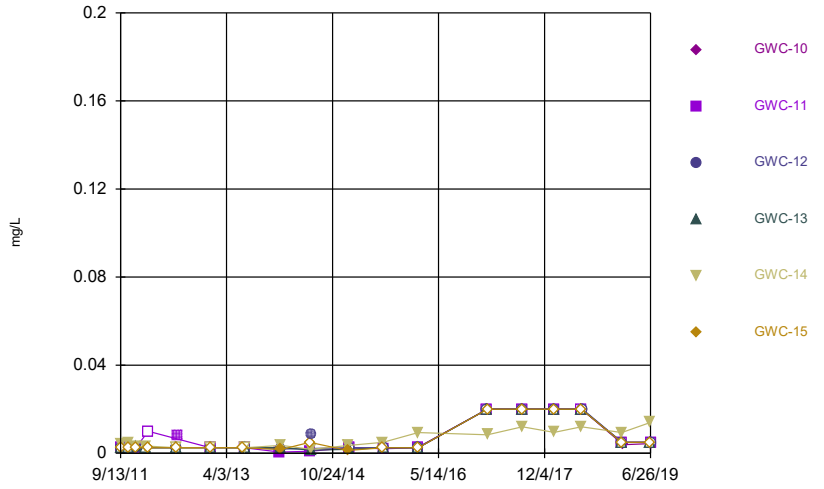
Zinc



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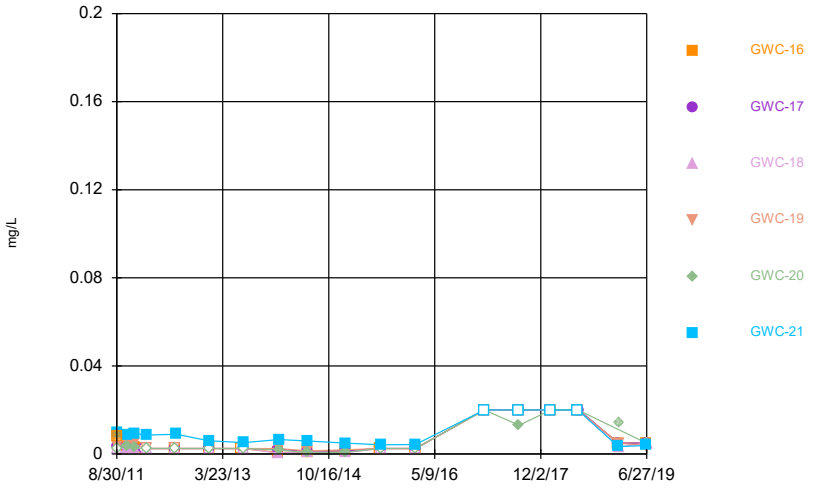

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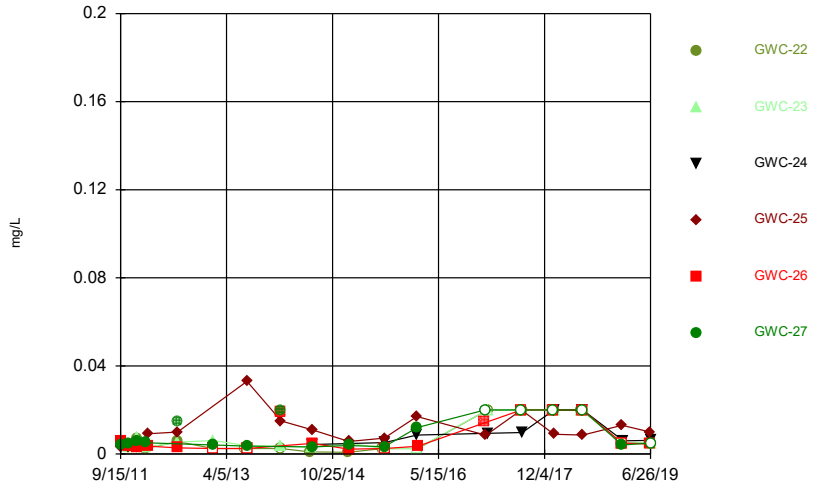

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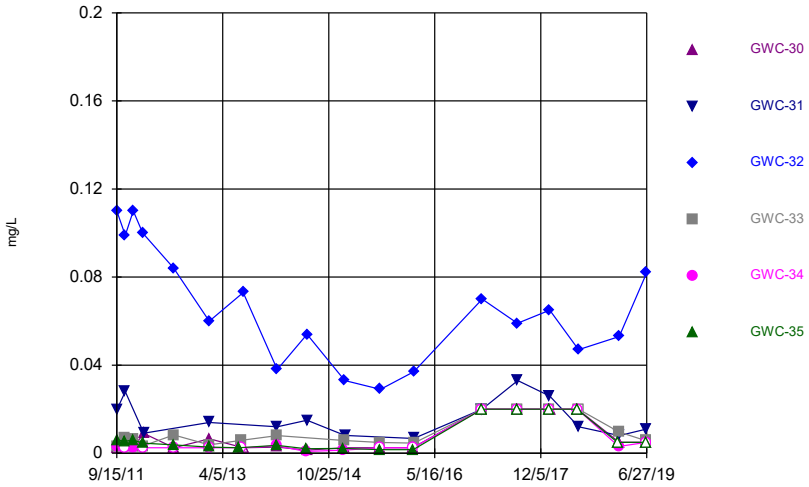

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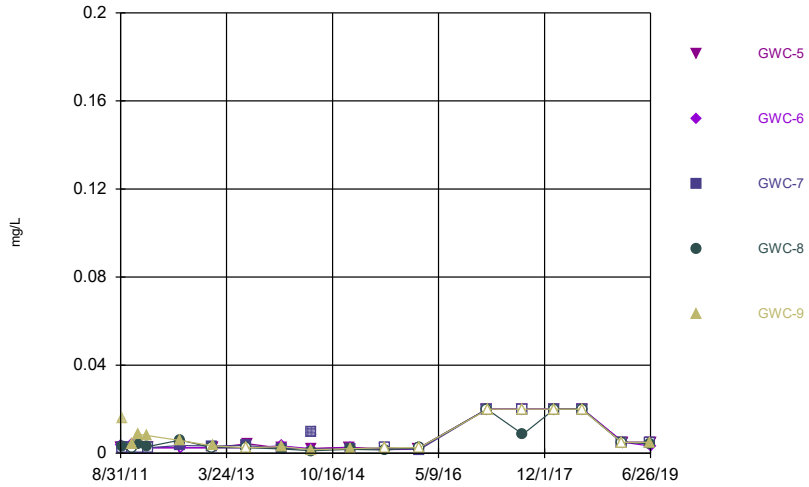

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