



*Prepared for*

**Georgia Power Company**  
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Atlanta, Georgia 30308

# **2021 ANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT**

## **PLANT HAMMOND HUFFAKER ROAD LANDFILL**

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**CERTIFICATION STATEMENT**

This *2021 Annual Groundwater Monitoring and Corrective Action Report, Plant Hammond Huffaker Road Landfill* has been prepared in accordance with the United States Environmental Protection Agency Coal Combustion Residual Rule [40 Code of Federal Regulations 257 Subpart D], specifically § 257.90(e), and the Georgia Environmental Protection Division Rules for Solid Waste Management, Rule 391-3-4-.10 Coal Combustion Residuals and Rule 391-3-4-.14 Groundwater Monitoring and Corrective Action by a qualified groundwater scientist or engineer with Geosyntec Consultants.



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January 31, 2022  
Date

## SUMMARY

This summary of the *2021 Annual Groundwater Monitoring and Corrective Action Report* provides the status of groundwater monitoring and corrective action program for the reporting period of January through December 2021 (referred to herein as the 2021 reporting period) at Georgia Power Company's (Georgia Power's) Plant Hammond Huffaker Road Landfill (the landfill or the site). This summary was prepared by Geosyntec Consultants, Inc. (Geosyntec) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6<sup>1</sup> of the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) (40 Code of Federal Regulations [CFR] 257 Subpart D).

Plant Hammond Huffaker Road Landfill is located at 2181 Huffaker Road, approximately five miles northeast of Plant Hammond in Floyd County, Georgia. The landfill is comprised of constructed Parcels A, B, and E, with Parcels C and D proposed for future expansion. CCR material resulting from power generation have historically been transferred and stored at the site. Currently, Parcels A and B are active, and Parcel E is temporarily inactive and covered with an intermediate closure system. The landfill is located on the western portion of Georgia Power's property.



Plant Hammond Huffaker Road Landfill

The groundwater monitoring program for the landfill is managed in accordance with the landfill's Solid Waste permit number 057-022D (LI), as issued by the Georgia Environmental Protection Division (GA EPD), and in accordance with Georgia Solid Waste Management Rules for Groundwater Monitoring and Corrective Action of a municipal solid waste landfill, Rule 391-3-4.14. The landfill is also subject to the federal CCR Rule and the GA EPD Rules for Solid Waste Management 391-3-4-.10. Groundwater at the site is monitored using a comprehensive monitoring system of wells installed to meet federal and state monitoring requirements. Groundwater monitoring in accordance with the permit-issued Design and Operations (D&O) Plan began in 2007,

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

prior to disposal activities, and continues to date. Routine sampling and reporting in accordance with the federal CCR Rule began after the background groundwater conditions were established between March 2016 to March 2017. Based on groundwater conditions at the landfill, a detection monitoring program has been established since October 2017. During the 2021 reporting period, the site remained in detection monitoring.

During the 2021 reporting period, Geosyntec conducted two groundwater sampling events in March and August 2021. Groundwater samples were submitted to Pace Analytical Services, LLC, for analysis. Per the federal CCR Rule, groundwater results for March and August 2021 data were evaluated in accordance with the certified statistical methods. That evaluation showed no statistically significant values of Appendix III<sup>2</sup> constituents.

Based on review of the Appendix III statistical results completed for the groundwater monitoring and corrective action program for the 2021 reporting period, the site will continue in detection monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the landfill. Reports will be posted to the website and provided to GA EPD semiannually.

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

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## LIST OF ACRONYMS

ASD	Alternate Source Demonstration
CCR	coal combustion residuals
CFR	Code of Federal Regulations
cm/sec	centimeters per second
D&O	Design and Operations
DO	dissolved oxygen
ft	feet
ft/ft	feet per foot
ft/day	feet per day
GA EPD	Georgia Environmental Protection Division
Georgia Power	Georgia Power Company
Geosyntec	Geosyntec Consultants, Inc.
GSC	Groundwater Stats Consulting
mg/L	milligram per liter
NELAP	National Environmental Laboratory Accreditation Program
NTU	nephelometric turbidity unit
ORP	oxidation reduction potential
Pace Analytical	Pace Analytical Services, LLC.
PE	professional engineer
PL	prediction limit
QA/QC	Quality Assurance/Quality Control
SAR	Site Acceptability Report
SCS	Southern Company Services
SSI	statistically significant increase
s.u.	standard unit
TDS	total dissolved solids
Unified Guidance	Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance
USEPA	United States Environmental Protection Agency

## 1.0 INTRODUCTION

Groundwater monitoring is currently conducted at the Georgia Power Company (Georgia Power) Plant Hammond, Huffaker Road Landfill (the landfill or the site) to comply with the landfill's Solid Waste permit number 057-022D (LI), as issued by the Georgia Environmental Protection Division (GA EPD), and in accordance with Georgia Solid Waste Management Rules for Groundwater Monitoring and Corrective Action of a municipal solid waste landfill, Rule 391-3-4.14. The landfill is also subject to the United States Environmental Protection Agency (USEPA) Coal Combustion Residual Rule (federal CCR Rule) [40 Code of Federal Regulations (CFR) 257 Subpart D] and the GA EPD Rules for Solid Waste Management 391-3-4-.10. Geosyntec Consultants, Inc. (Geosyntec) has prepared this *2021 Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities at Georgia Power Plant Hammond Huffaker Road Landfill. This report documents groundwater monitoring activities completed for the landfill from January through December 2021 (referred to herein as the 2021 reporting period). A semiannual groundwater report documenting activities from January through July 2021 was prepared and submitted to GA EPD in August 2021 (Geosyntec, 2021a). This report satisfies the reporting requirements of applicable federal and state CCR Rule [§ 257.90(e), 391-3-4-.10] and GA EPD Solid Waste Management Rules (391-3-4-.14). For ease of reference when discussing aspects of the CCR Rule, only the federal CCR Rule is cited within this report.

### 1.1 Site Description and Background

The Huffaker Road Landfill is a Georgia Power-owned property located in Floyd County approximately five miles northeast of Plant Hammond (**Figure 1**). The physical address of the site is 2181 Huffaker Road, Rome, Georgia, 30165. The landfill was built between 2005 and 2007 over a closed surface clay mine, previously owned by Boral Bricks, Inc. The landfill is comprised of constructed Parcels A, B, and E, with Parcels C and D proposed for future expansion. The three existing parcels were permitted and constructed with a minimum 24-inch compacted clay liner with a maximum hydraulic conductivity of  $1 \times 10^{-6}$  centimeters per second (cm/sec) underlain with a compacted soil barrier designed to provide a minimum five-foot thick barrier between the bottom of the clay liner and seasonal high groundwater levels. GA EPD approved Solid Waste Permit No. 057-022D (LI) in a letter dated May 26, 2006, and disposal operations commenced on May 5, 2008. No CCR materials were stored in the landfill prior to May 2008 (ERM, 2018). In 2016, Parcels A and B were retrofitted with a leachate collection system and a 60-millimeter high-density polyethylene geomembrane overlaying the 24-inch clay liner,



which was recompacted to obtain a maximum hydraulic conductivity of  $1 \times 10^{-7}$  cm/sec (Georgia Power, 2016).

Parcels A and B have historically received coal ash whereas Parcel E has typically received gypsum. Currently, Parcels A and B are active, and Parcel E is temporarily inactive and covered with an intermediate closure system of 18-inches of soil compacted to obtain a maximum hydraulic conductivity of  $1 \times 10^{-6}$  cm/sec.

A groundwater monitoring plan was developed as part of the landfill's pre-construction Design and Operations (D&O) Plan and approved in September 2004 with subsequent modifications submitted to GA EPD in September 2005, April 2009, and May 2013. Groundwater monitoring in accordance with the D&O Plan began in 2007, prior to disposal activities, and continues to date.

Groundwater monitoring and reporting activities in accordance with § 257.90 through § 257.94 of the federal CCR Rule were initiated in 2016. Pursuant to § 257.94(b), the eight baseline sampling events were conducted between March 2016 and March 2017, with the initial detection monitoring event occurring October 2017.

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

- Appendix III constituents according to § 257.94(a); and
- A state-modified Appendix I list of detection constituents according to GA EPD Rules for Solid Waste Management 391-3-4-.14 and the approved D&O plan. The state-modified analyte list includes antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, thallium, vanadium, and zinc. Field parameters that are to be recorded include: pH, temperature, turbidity, dissolved oxygen, specific conductance, and oxidation-reduction potential.

## **1.2 Regional Geology and Hydrogeologic Setting**

The regional geology was summarized in the Southern Company Services (SCS) prepared Site Acceptability Report (SAR) (SCS, 2002) based on the work of Cressler (1970). The landfill is located in the Floyd Shale member of the Judy Mountain Syncline. The Floyd Shale is Mississippian in age and ranges from 200 to 1,200 feet thick in Floyd County. The unit is composed of clay and shale, transitioning to limestone at its base.

Boring logs presented in the SAR indicate sandy clayey silt and silty clay with rock fragments described as shale extending to depths of up to approximately 30 feet below ground surface. Underlying this material is a medium gray to dark gray and dark olive gray, heavily to moderately weathered shale. Rock cores collected at the site are described as slightly weathered to unweathered, thinly bedded shale. Descriptions provided in the boring logs are representative of recorded observations on the Floyd Shale.

The landfill is underlain by a regional unconfined groundwater aquifer that occurs within the overburden. Groundwater recharge at the landfill is from infiltration of precipitation. Prior site investigations indicate groundwater within the unconfined aquifer flows predominantly through the heavily to moderately weathered shale layer (SCS, 2002). Groundwater occurring in bedrock below the site is controlled by the degree of enhanced secondary permeability. In general, groundwater occurring in the bedrock is a result of water infiltrating through areas in the overburden where enhanced permeability exists. Review of the available boring logs does not identify a confined aquifer beneath the landfill.

### **1.3 Groundwater Monitoring Well Network**

The existing groundwater monitoring system meets the requirements listed in § 257.91 and 391-3-4.14; a groundwater monitoring system was installed at the landfill that consists of a sufficient number of wells installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer to represent the groundwater quality both upgradient of the unit (i.e., background conditions) and passing the waste boundary of the unit. The number, spacing, and depths of the groundwater monitoring wells were selected based on the characterization of site-specific hydrogeologic conditions. Pursuant to the § 257.91, the well network was certified by a professional engineer (PE) on October 17, 2017; the certification is maintained in the site's operating records. The locations of the compliance wells are presented on **Figure 2**; well construction details are listed in **Table 1**.

### **1.4 Landfill Underdrain Monitoring Point**

In addition to the groundwater monitoring well network, the D&O Plan requires collecting a water sample from the landfill underdrain monitoring point, SWC-1, during each semiannual monitoring event. The water sample is analyzed for the same constituents monitored in groundwater. The monitoring point is located west of Parcels A and B, as shown on **Figure 2**. Historically, there has been no liquid discharge from

this underdrain monitoring point to collect a sample, as was the case for the 2021 reporting period. The discharge status of the monitoring point is confirmed during each sampling event.

## **2.0 GROUNDWATER MONITORING ACTIVITIES**

In accordance with § 257.90(e), the following describes monitoring-related activities performed during the 2021 reporting period and discusses any change in status of the monitoring program. Groundwater sampling was performed in accordance with § 257.93 and the D&O Plan.

### **2.1 Monitoring Well Installation and Maintenance**

Monitoring wells are inspected semiannually to determine if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In March and August 2021, monitoring wells were inspected, necessary corrective actions were identified and subsequently completed, as documented in **Appendix A**. This documentation will serve as the required five year well inspection and was performed under the direction of a professional geologist or engineer registered in the State of Georgia.

### **2.2 Detection Monitoring**

Georgia Power currently monitors groundwater associated with the landfill under the detection groundwater monitoring program in accordance with federal CCR Rule § 257.94 and Solid Waste Management Rule 391-3-4-.14(22). The semiannual detection monitoring events occurred in March and in August 2021; a verification monitoring event occurred in September 2021 (**Table 2**). Groundwater samples were collected from each compliance monitoring well shown on **Figure 2** and analyzed for the state-modified list of Appendix I constituents and Appendix III constituents stipulated by the August 2017 permit modification (GA EPD, 2017) (list of constituents presented in Section 1.1 of this report). The analytical and statistical results of the events conducted during the 2021 reporting period are discussed in Sections 3 and 4, respectively.

### 3.0 SAMPLE METHODOLOGY AND ANALYSIS

The following section presents a summary of the field sampling procedures that were implemented and the groundwater sampling results that were obtained in connection with the detection monitoring program conducted at the landfill during the 2021 reporting period.

#### 3.1 Groundwater Level Measurement

Prior to a sitewide sampling event, a synoptic round of depth to groundwater level measurements are recorded from the monitoring well network and used to calculate the corresponding groundwater elevations, which are presented in **Table 3**. Elevations reported in March and August 2021 are generally representative of the groundwater elevations reported for prior monitoring events.

The groundwater elevation data were used to prepare potentiometric surface maps for the March and August 2021 s D&O ampling events, which are presented on **Figures 3** and **4**, respectively. Interpretation of the potentiometric surface contours indicate that groundwater flow beneath the landfill is generally to the southeast in vicinity of Parcels A and B, and then south-southwest beneath Parcel E. These observed flow directions are consistent with previous observations.

#### 3.2 Groundwater Gradient and Flow Velocity

The groundwater hydraulic gradient beneath the landfill was calculated using the groundwater elevation data from the March and August 2021 events, and between two pairs of data points located approximately along interpreted groundwater flow paths to account for changing flow directions across the site, as discussed in Section 3.1. For Parcels A and B, the hydraulic gradient was calculated between wells GWA-1 and GWC-7; for Parcel E, wells GWC-9 and GWC-19 were used for the gradient calculation in March 2021, while GWC-9 and GWC-20 were used for the August 2021 event. The gradient calculations are presented in **Table 4**. The general trajectories of the flow paths used in the calculations are shown on **Figures 3** and **4**.

As presented in **Table 4**, the average hydraulic gradient underneath Parcels A and B applying the 2021 data, was calculated to be 0.022 feet per foot (ft/ft), whereas the average hydraulic gradient underneath Parcel E equaled 0.018 ft/ft.

The horizontal groundwater flow velocity was calculated using Darcy's Law, as follows:

$$V = \frac{K_h * i}{n_e}$$

where:

$v$  = Groundwater flow velocity  $\left(\frac{\text{feet}}{\text{day}}\right)$

$K_h$  = Horizontal Hydraulic Conductivity  $\left(\frac{\text{feet}}{\text{day}}\right)$

$i$  = Horizontal hydraulic gradient  $\left(\frac{\text{feet}}{\text{foot}}\right) = \frac{h_1 - h_2}{L}$

$h_1$  and  $h_2$  = Groundwater elevation at location 1 and 2

$L$  = distance between location 1 and 2

$n_e$  = Effective porosity

Prior site investigations indicate groundwater within the unconfined aquifer flows predominantly through the heavily to moderately weathered shale layer (SCS, 2002). The average hydraulic conductivity for this zone [0.248 feet per day (ft/day)] was computed from slug test data derived from five locations across the site (SCS, 2002). An estimated effective porosity of 0.20 is used for the flow rate calculation, based on interpreted values for weathered shale (Freeze/Cherry, 1979). With these variables determined, and accounting for the hydraulic gradients discussed above, the average groundwater flow velocity underneath Parcels A and B was calculated to be 0.027 ft/day. Similarly, the average flow velocity underneath Parcel E was calculated to be 0.022 ft/day. The flow velocity calculations are provided in **Table 4**.

### **3.3 Groundwater Sampling Procedures**

Groundwater samples were collected from the compliance monitoring well network in accordance with § 257.93(a) and the D&O Plan using low-flow purging techniques performed with a peristaltic pump with disposable polyethylene tubing. The intake point of the tubing was lowered to the midpoint of the well screen. Each well was sampled with a new segment of tubing; all tubing was disposed of following the sampling event.

All non-disposable equipment was decontaminated before use and between well locations.

An in-situ water quality field meter (SmarTroll, Aqua TROLL, or similar) was used to monitor and record field water quality parameters [i.e., pH, conductivity, dissolved oxygen (DO), temperature, and oxidation reduction potential (ORP)] during well purging to verify stabilization prior to sampling. Turbidity was monitored using a LaMotte 2020we (or similar) portable turbidity meter. Groundwater samples were collected once the following stabilization criteria were met:

- pH  $\pm$  0.1 standard units (s.u.)
- Conductivity  $\pm$  5%
- $\pm$  0.2 milligrams per liter (mg/L) or  $\pm$  10% (whichever is greater) for DO > 0.5 mg/L. No criterion applies if DO < 0.5 mg/L, record only.
- Turbidity measured less than 5 nephelometric turbidity units (NTU) or measured between 5 and 10 NTU following three hours of purging.

Following purging, and once stabilization was achieved, unfiltered samples were collected into appropriately preserved laboratory-supplied sample containers. Sample bottles were placed in ice-packed coolers and submitted to Pace Analytical Services, LLC. (Pace Analytical) in Norcross, Georgia following chain-of-custody protocol. The field sampling and equipment calibration forms generated during the 2021 reporting period are provided in **Appendix B**.

### **3.4 Laboratory Analyses**

Laboratory analyses were performed by Pace Analytical, which is accredited by the National Environmental Laboratory Accreditation Program (NELAP). Pace Analytical maintains a NELAP certification for the permit specified constituents analyzed for this project. Analytical methods used for groundwater sample analysis are listed in the analytical laboratory reports included in **Appendix B**.

The groundwater results from the 2021 detection monitoring events and the supplementary verification event conducted in September 2021 are summarized in **Table 5**. The Pace Analytical laboratory reports associated with these results are provided in **Appendix B**.

### **3.5 Quality Assurance and Quality Control**

Quality assurance/quality control (QA/QC) samples were collected during the detection monitoring events at the minimum rate of one QA/QC sample per 10 groundwater samples and included the following: field duplicates, equipment blanks, and field blank samples. QA/QC samples were collected in appropriately preserved laboratory-supplied sample containers and submitted under the same chain of custody as the primary samples for analysis of the same constituents by Pace Analytical.

In addition to collecting QA/QC samples, the data were validated based on the pertinent methods referenced in the laboratory reports, professional and technical judgment, and applicable federal guidance documents (USEPA, 2011; USEPA, 2017). Where necessary, the data were qualified with supporting documentation and justifications. The data are considered usable for meeting project objectives, and the results are considered valid. The associated data validation reports are provided in **Appendix B** with the laboratory reports.



## 4.0 STATISTICAL ANALYSES

The following section summarizes the statistical approach applied to assess the 2021 groundwater data for potential SSIs of permit stipulated constituents reported in downgradient compliance wells relative to the available historical dataset. Because the landfill is currently independently managed under both Georgia's Solid Waste Management Rule 391-3-4.14 and Georgia's CCR Rule 391-3-4.10, which references the federal CCR Rule, two datasets are statistically evaluated per monitoring event. One dataset contains Appendix III constituents, which is applicable to both of the beforementioned rule sets. The other dataset contains the D&O-specified state-modified list of Appendix I constituents, applicable to Rule 391-3-4.14. The 2021 data were analyzed by Groundwater Stats Consulting (GSC).

### 4.1 Statistical Methods

Statistical analysis of the 2021 groundwater data for Appendix III constituents was performed pursuant to § 257.93 and in accordance with the PE-certified statistical method. Statistical analysis of the 2021 groundwater data for the D&O Appendix I constituents was performed pursuant to Rule 391-3-4.14 and in accordance with the *Background Data Screening & Recommended Statistical Methods* report prepared by GSC (GSC, 2019) and the USEPA document *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009). Georgia Power submitted a minor permit modification request to GA EPD to change the statistical methods from the initial D&O plan interwell statistical methods to include other methods (i.e., intrawell statistical methods) allowed by Rule 391-3-4.10(6)(a) that may be more appropriate to the data set; the minor modification request was approved by GA EPD in a letter dated August 20, 2019 (GA EPD, 2019).

On February 26, 2021, Georgia Power submitted an additional minor modification to implement a two-step statistical approach for the detection monitoring program to address initial SSIs over background for constituents currently using intrawell statistical approach. This approach was approved by GA EPD in a letter dated April 19, 2021. The two-step analysis is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (Unified Guidance, Chapter 7, Section 7.5).

The Sanitas groundwater statistical software was used to perform the statistical analyses. Sanitas is a decision-support software package that incorporates the statistical tests required of Subtitle C and D facilities by USEPA regulations and guidance as

recommended in the Unified Guidance. Detailed statistical methods used for Appendix III and D&O Appendix I constituents are discussed in statistical analysis reports provided in **Appendix C** and summarized in Sections 4.1.1 and 4.1.2.

#### **4.1.1 Statistical Methods – Appendix III Constituents**

The PE-certified statistical approach used to evaluate groundwater data for the landfill for Appendix III constituents is the intrawell prediction limit (PL) method combined with a 1-of-2 resample plan. The intrawell PLs utilize historical data from within a given well to establish a statistical limit for comparison of compliance data at the same well. In this case, the data from the monitoring events conducted between March 2016 and November 2019 were used to establish background conditions. An “initial exceedance” occurs when any data from the well exceeds the PL. Intrawell statistical methods are a conservative first step that may be overly sensitive to natural variation, particularly for nonparametric limits with small background sample sizes. Therefore, for instances where an apparent exceedance over the PL is identified by intrawell statistical methods, interwell statistical methods may be used as a reasonable second step to determine if the initial exceedance is below sitewide background based on pooled upgradient well data.

The 1-of-2 resample plan allows for collection of an independent resample. Once again, the most recent sample from each downgradient well (in this case, the resample) is compared to the PL to evaluate exceedances over background. A confirmed exceedance is noted only when the resample confirms the initial exceedance by also exceeding the statistical limit. If the resample falls within its respective prediction limit, no exceedance is declared.

#### **4.1.2 Statistical Methods – Appendix I D&O Constituents**

The intrawell PL statistical approach was also used to evaluate groundwater data for the landfill for Appendix I D&O constituents with a 1-of-2 resample plan (GSC, 2019). A 1-of-2 resample plan is sufficient because the dataset used to derive the PLs for the Appendix I constituents is larger since they have been monitored since 2007, and the data encompass sampling events from March 2007 to December 2018. As with the Appendix III methodology, instances where an intrawell statistical exceedance is identified, interwell statistical methods may be used to determine sitewide background for comparison prior to SSI identification.

## **4.2 Statistical Analysis Results**

The 2021 groundwater data were analyzed by GSC, with the results from these analyses presented in the statistical analysis reports included in **Appendix C**. Summaries of the statistical analyses are presented below for the March and August 2021 detection monitoring events. Data from the September 2021 verification event are considered relative to the August 2021 event.

### **4.2.1 March 2021 Semiannual Event**

No confirmed SSI was observed for either Appendix III or Appendix I D&O constituents during the March 2021 sampling event.

### **4.2.2 August 2021 Semiannual Event**

No confirmed SSI was observed for Appendix III constituents during the August 2021 sampling event.

Intrawell and interwell statistical analyses of the of the Appendix I D&O constituents identified exceedances of barium and nickel in well GWC-8. A verification groundwater sample was collected on September 28, 2021, in accordance with the 1-of-2 resampling plan. The results of the verification sample did not confirm the initial PL exceedances of barium and nickel at GWC-8. Consequently, no confirmed SSIs were observed for Appendix I D&O constituents during the August 2021 sampling event.

## **5.0 ALTERNATE SOURCE DEMONSTRATIONS**

Alternate source demonstrations (ASDs) were previously submitted to GA EPD under separate report covers to address SSIs of Appendix I D&O and Appendix III constituents. Based on GA EPD guidance, ASDs no longer require concurrence if an SSI has not been detected for two consecutive events, which indicates natural variability. No confirmed SSI was observed for either Appendix I D&O and Appendix III constituents during the reporting period.

## **6.0 MONITORING PROGRAM STATUS**

Groundwater monitoring at the landfill is currently being conducted under a detection monitoring program pursuant to the federal CCR Rule § 257.94 and Georgia's Solid Waste Management Rule 391-3-4.14(21).

## 7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2021 Annual Groundwater Monitoring and Corrective Action Report* for Georgia Power's Plant Hammond Huffaker Road Landfill was prepared to fulfill the requirements of both the federal CCR Rule (§ 257.90(e)) and Georgia's Solid Waste Management Rules (391-3-4-.14). No SSIs were verified during the 2021 groundwater monitoring events. Groundwater monitoring at the landfill will continue under a detection monitoring program pursuant to the federal CCR Rule § 257.94 and Georgia's Solid Waste Management Rule 391-3-4.14(21-23).

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# TABLES

**Table 1**  
**Monitoring Well Network Summary**  
**Plant Hammond, Huffaker Road Landfill, Floyd County, Georgia**

Well ID	Hydraulic Location	Installation Date	Northing <sup>(1)</sup>	Easting <sup>(1)</sup>	Top of Casing Elevation <sup>(2)</sup> (ft)	Top of Screen Elevation <sup>(2)</sup> (ft)	Bottom of Screen Elevation <sup>(2)</sup> (ft)	Well Depth <sup>(3)</sup> (ft BTOC)	Screen Interval Length (ft)
GWA-1	Upgradient	9/11/2001	1565643.81	1952067.94	701.96	672.96	662.96	39.30	10
GWA-2	Upgradient	2/5/2007	1565590.06	1952640.89	681.59	666.08	656.08	25.81	10
GWA-3	Upgradient	2/6/2007	1565520.24	1953199.93	659.24	648.45	638.45	21.09	10
GWA-4	Upgradient	2/6/2007	1565519.87	1953687.10	656.93	845.84	635.84	21.39	10
GWA-11	Upgradient	7/21/2006	1564946.55	1952008.03	682.36	656.76	646.76	35.90	10
GWC-5	Downgradient	2/7/2007	1565159.15	1953566.67	649.42	638.31	628.31	21.41	10
GWC-6	Downgradient	7/20/2006	1564397.56	1953919.86	656.35	624.07	614.07	42.58	10
GWC-7	Downgradient	7/19/2006	1564079.14	1953595.85	657.20	635.59	625.59	31.91	10
GWC-8	Downgradient	7/18/2006	1564000.62	1953095.72	656.64	639.81	629.81	27.13	10
GWC-9	Downgradient	7/18/2006	1563876.81	1952392.97	659.46	617.85	607.85	51.91	10
GWC-10	Downgradient	7/20/2006	1564308.39	1951975.66	667.58	643.90	633.90	33.98	10
GWC-18	Downgradient	7/12/2006	1563320.44	1953391.49	641.31	594.59	584.59	57.02	10
GWC-19	Downgradient	7/11/2006	1562843.12	1952979.72	642.89	595.91	585.91	57.51	10
GWC-20	Downgradient	7/17/2006	1562472.78	1952332.31	625.76	601.88	591.88	34.18	10
GWC-21	Downgradient	7/12/2006	1562099.56	1951612.93	618.33	610.65	600.65	18.23	10
GWC-22	Downgradient	7/13/2006	1562778.89	1951618.67	625.00	593.39	583.39	41.91	10
GWC-23	Downgradient	7/19/2006	1563558.66	1951604.97	654.84	615.41	605.41	49.73	10

Notes:

ft = feet

ft BTOC = feet below top of casing

(1) Coordinates in North American Datum (NAD) 1983, State Plane, Georgia-West, feet. Survey completed by GEL Solutions obtained June 26, 2020.

(2) Elevations referenced to the North American Vertical Datum of 1988 (NAVD88). Survey completed by GEL Solutions obtained June 26, 2020.

(3) Total well depth accounts for sump if data provided on well construction logs.

**Table 2**  
**Groundwater Sampling Event Summary**  
**Plant Hammond, Huffaker Road Landfill, Floyd County, Georgia**

<b>Well ID</b>	<b>Hydraulic Location</b>	<b>March 8-10, 2021</b>	<b>August 9-10, 2021</b>	<b>September 28, 2021</b>	<b>Status of Monitoring Well</b>
<b>Purpose of Sampling Event:</b>	<b>Detection</b>	<b>Detection</b>	<b>Verification</b>		
GWA-1	Upgradient	X	X	--	Detection
GWA-2	Upgradient	X	X	--	Detection
GWA-3	Upgradient	X	X	--	Detection
GWA-4	Upgradient	X	X	--	Detection
GWA-11	Upgradient	X	X	--	Detection
GWC-5	Downgradient	X	X	--	Detection
GWC-6	Downgradient	X	X	--	Detection
GWC-7	Downgradient	X	X	--	Detection
GWC-8	Downgradient	X	X	X	Detection
GWC-9	Downgradient	X	X	--	Detection
GWC-10	Downgradient	X	X	--	Detection
GWC-18	Downgradient	X	X	--	Detection
GWC-19	Downgradient	X	X	--	Detection
GWC-20	Downgradient	X	X	--	Detection
GWC-21	Downgradient	X	X	--	Detection
GWC-22	Downgradient	X	X	--	Detection
GWC-23	Downgradient	X	X	--	Detection

**Table 3**  
**Summary of Groundwater Elevations**  
**Plant Hammond, Huffaker Road Landfill, Floyd County, Georgia**

Well ID	Top of Casing Elevation <sup>(1)</sup> (ft)	March 8, 2021		August 9, 2021	
		Depth to Water (ft BTOC)	Groundwater Elevation <sup>(1)</sup> (ft)	Depth to Water (ft BTOC)	Groundwater Elevation <sup>(1)</sup> (ft)
GWA-1	701.96	10.93	691.03	14.10	687.86
GWA-2	681.59	5.98	675.61	6.36	675.23
GWA-3	659.24	4.92	654.32	5.15	654.09
GWA-4	656.93	9.16	647.77	11.61	645.32
GWA-11	682.36	15.85	666.51	17.50	664.86
GWC-5	649.42	4.72	644.70	5.57	643.85
GWC-6	656.35	15.35	641.00	16.18	640.17
GWC-7	657.20	14.17	643.03	15.64	641.56
GWC-8	656.64	9.68	646.96	12.26	644.38
GWC-9	659.46	13.41	646.05	15.33	644.13
GWC-10	667.58	13.04	654.54	15.23	652.35
GWC-18	641.31	12.86	628.45	14.41	626.90
GWC-19	642.89	18.75	624.14	19.73	623.16 <sup>(2)</sup>
GWC-20	625.76	3.37	622.39	5.06	620.70
GWC-21	618.33	4.85	613.48	7.79	610.54
GWC-22	625.00	2.01	622.99	4.20	620.80
GWC-23	654.84	8.13	646.71	11.96	642.88

Notes:

ft BTOC = feet below top of casing

(1) Survey data obtained June 26, 2020, Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

(2) Water elevation at GWC-19 from August 9, 2021, was not used in the development of contours due to error in gauging. Reported water elevation was calculated from the measurement recorded prior to purging on August 10, 2021.

**Table 4**  
 Horizontal Groundwater Gradient and Flow Velocity Calculations  
 Plant Hammond, Huffaker Road Landfill, Floyd County, Georgia

Landfill Parcels	Hydraulic Gradient - March 8, 2021 Data				Hydraulic Gradient - August 9, 2021 Data				Average i (ft/ft)
	h <sub>1</sub> (ft)	h <sub>2</sub> (ft)	L (ft)	i (ft/ft)	h <sub>1</sub> (ft)	h <sub>2</sub> (ft)	L (ft)	i (ft/ft)	
A & B (GWA-1 to GWC-7)	691.03	643.03	2,210	0.022	687.86	641.56	2,260	0.021	0.022
E <sup>(2)</sup> (GWC-9 to GWC-19/ GWC-20)	646.05	624.14	1,120	0.020	644.13	620.70	1,445	0.016	0.018

Landfill Parcels	K <sub>h</sub> (ft/day)	n <sub>e</sub>	Averaged for 2021	
			Average i (ft/ft)	V (ft/day) <sup>(1)</sup>
A & B	0.248	0.20	0.022	0.027
E			0.018	0.022

Notes:

ft = feet

ft/day = feet per day

ft/ft = feet per foot

h<sub>1</sub> and h<sub>2</sub> = groundwater elevation at location 1 and 2

i = h<sub>1</sub>-h<sub>2</sub>/L = horizontal hydraulic gradient

K<sub>h</sub> = horizontal hydraulic conductivity

L = distance between location 1 and 2 along the flow path

n<sub>e</sub> = effective porosity

V = groundwater flow velocity

(1) Groundwater flow velocity equation:  $V = [K_h * i] / n_e$

(2) Velocity was calculated between GWC-9 and GWC-19 in March 2021, and between GWC-9 and GWC-20 in August 2021.

**Table 5**  
**Summary of Groundwater Analytical Data**  
**Plant Hammond, Huffaker Road Landfill, Floyd County, Georgia**

Well ID:	GWA-1	GWA-1	GWA-2	GWA-2	GWA-3	GWA-3	GWA-4	GWA-4	GWA-11	GWA-11	GWC-5	GWC-5	
Sample Date:	3/8/2021	8/9/2021	3/9/2021	8/9/2021	3/8/2021	8/9/2021	3/8/2021	8/9/2021	3/8/2021	8/10/2021	3/9/2021	8/10/2021	
Parameter <sup>(1,2)</sup>													
<b>D&amp;O PLAN</b>	Antimony	<0.00028	<0.00078	<0.00028	0.0023 J	<0.00028	<0.00078	0.0016 J	<0.00078	0.00050 J	<0.00078	<0.00028	<0.00078
	Arsenic	<0.00078	<0.0011	<0.00078	<0.0011	<0.00078	<0.0011	<0.00078	<0.0011	<0.00078	<0.0011	<0.00078	<0.0011
	Barium	0.035	0.046	0.17	0.19	0.12	0.12	0.052	0.034	0.031	0.030	0.063	0.077
	Beryllium	<0.000046	<0.000054	<0.000046	<0.000054	<0.000046	<0.000054	<0.000046	<0.000054	<0.000046	<0.000054	<0.000046	<0.000054
	Cadmium	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011
	Chromium	<0.00055	<0.0011	<0.00055	<0.0011	<0.00055	<0.0011	<0.00055	<0.0011	<0.00055	<0.0011	<0.00055	<0.0011
	Cobalt	0.00050 J	<0.00039	<0.00038	<0.00039	<0.00038	0.00042 J	0.00061 J	<0.00039	0.00049 J	0.00047 J	0.00043 J	0.00098 J
	Copper	<0.0017	<0.00050	<0.0017	<0.00050	<0.0017	<0.00050	<0.0017	0.00051 J	<0.0017	<0.00050	<0.0017	<0.00050
	Lead	<0.000036	<0.00089	<0.000036	<0.00089	0.000040 J	<0.00089	<0.000036	<0.00089	<0.000036	<0.00089	<0.000036	<0.00089
	Nickel	<0.00069	<0.00071	<0.00069	<0.00071	<0.00069	<0.00071	<0.00069	0.0010 J	0.0010 J	0.0017 J	<0.00069	0.00085 J
	Selenium	<0.0016	<0.0014	<0.0016	<0.0014	<0.0016	<0.0014	<0.0016	<0.0014	<0.0016	<0.0014	<0.0016	<0.0014
	Silver	<0.00036	<0.00044	<0.00036	<0.00044	<0.00036	<0.00044	<0.00036	<0.00044	<0.00036	<0.00044	<0.00036	<0.00044
	Thallium	<0.00014	<0.00018	<0.00014	<0.00018	<0.00014	<0.00018	<0.00014	<0.00018	<0.00014	<0.00018	<0.00014	<0.00018
Vanadium	<0.0022	0.0019 J	<0.0022	<0.0019	<0.0022	<0.0019	<0.0022	<0.0019	<0.0022	<0.0019	<0.0022	<0.0019	
Zinc	<0.0022	<0.0070	<0.0022	<0.0070	<0.0022	<0.0070	0.0034 J	<0.0070	<0.0022	<0.0070	<0.0022	<0.0070	
<b>APPENDIX III</b>	Boron	0.021 J	0.021 J	0.081	0.085	0.13	0.14	0.089	0.073	0.042	0.034 J	0.046	0.056
	Calcium	16.2	20.2	48.7	49.9	73.5	73.2	87.2	69.7	22.0	20.8	85.4	78.3
	Chloride	1.1	1.1	2.1	2.4	2.8	2.1	5.6	3.0	1.3	1.2	2.0	2.3
	Fluoride	0.094 J	0.083 J	0.099 J	0.081 J	0.13	0.10	0.10	0.12	0.11	0.068 J	0.050 J	0.057 J
	pH <sup>(3)</sup>	6.86	7.23	6.93	6.90	6.95	6.89	6.84	6.76	6.78	6.84	6.93	6.87
	Sulfate	4.6	4.7	16.8	23.2	99.5	93.3	152	106	11.5	11.2	86.9	76.1
	TDS	96	96.0	227	245	415	416	460	371	107	107	364	363

Notes:

J = Indicates the parameter was estimated and detected between the method detection limit (MDL) and the reporting limit (RL)

< = Indicates the parameter was not detected above the analytical MDL

TDS = total dissolved solids

(1) Parameters are reported in units of milligrams per liter (mg/L), except for pH reported as s.u. (standard units).

(2) Metals were analyzed by EPA Method 6010D and 6020B, anions were analyzed by EPA Method 300.0, TDS was analyzed by SM2540C.

(3) The pH value presented was recorded at the time of sample collection in the field.

**Table 5**  
**Summary of Groundwater Analytical Data**  
**Plant Hammond, Huffaker Road Landfill, Floyd County, Georgia**

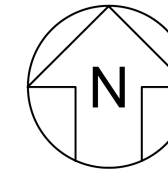
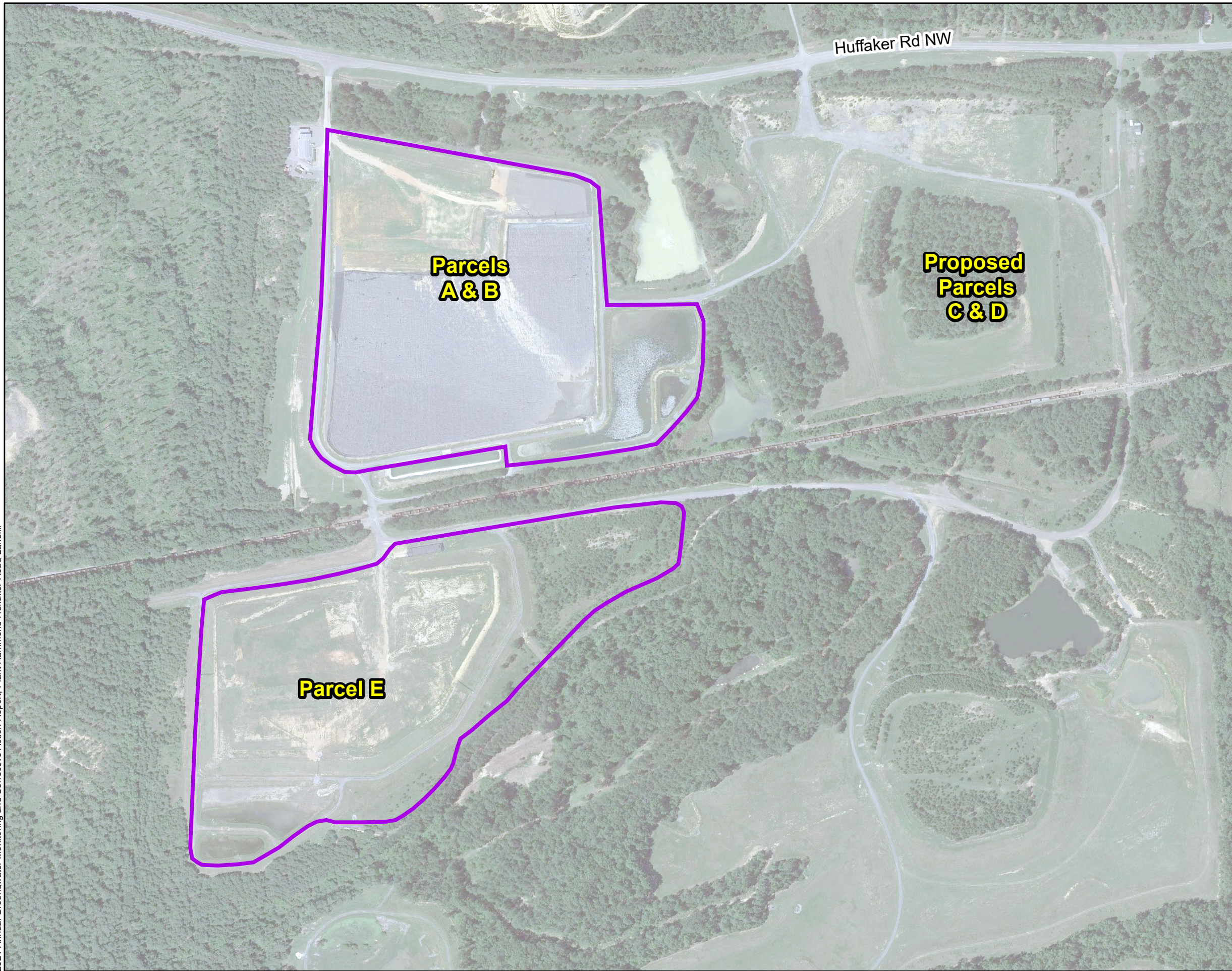
Well ID:		GWC-6	GWC-6	GWC-7	GWC-7	GWC-8	GWC-8	GWC-8	GWC-9	GWC-9	GWC-10	GWC-10
Sample Date:		3/9/2021	8/10/2021	3/9/2021	8/10/2021	3/9/2021	8/10/2021	9/28/2021	3/9/2021	8/10/2021	3/10/2021	8/10/2021
Parameter <sup>(1,2)</sup>												
<b>D&amp;O PLAN</b>	<b>Antimony</b>	<0.00028	<0.00078	<0.00028	<0.00078	<0.00028	<0.00078	--	<0.00028	<0.00078	<0.00028	<0.00078
	<b>Arsenic</b>	<0.00078	<0.0011	0.0052	0.0072	0.0018 J	0.0050	--	<0.00078	<0.0011	<0.00078	<0.0011
	<b>Barium</b>	0.17	0.18	0.31	0.14	0.14	0.23	0.20	0.059	0.067	0.15	0.14
	<b>Beryllium</b>	<0.000046	<0.000054	<0.000046	0.000061 J	<0.000046	<0.000054	--	<0.000046	<0.000054	<0.000046	<0.000054
	<b>Cadmium</b>	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	--	<0.00012	<0.00011	<0.00012	<0.00011
	<b>Chromium</b>	<0.00055	<0.0011	<0.00055	<0.0011	<0.00055	<0.0011	--	<0.00055	<0.0011	<0.00055	<0.0011
	<b>Cobalt</b>	<0.00038	<0.00039	0.0093	0.013	0.0013 J	0.0040 J	--	0.00042 J	<0.00039	<0.00038	<0.00039
	<b>Copper</b>	<0.0017	<0.00050	<0.0017	<0.00050	<0.0017	<0.00050	--	<0.0017	0.0018 J	<0.0017	<0.00050
	<b>Lead</b>	<0.000036	<0.00089	0.000085 J	<0.00089	<0.000036	<0.00089	--	<0.000036	<0.00089	<0.000036	<0.00089
	<b>Nickel</b>	<0.00069	<0.00071	0.035	0.057	<0.00069	0.0073	0.00090 J	0.0014 J	0.0019 J	<0.00069	<0.00071
	<b>Selenium</b>	<0.0016	<0.0014	<0.0016	<0.0014	<0.0016	<0.0014	--	<0.0016	<0.0014	<0.0016	<0.0014
	<b>Silver</b>	<0.00036	<0.00044	<0.00036	<0.00044	<0.00036	<0.00044	--	<0.00036	<0.00044	<0.00036	<0.00044
	<b>Thallium</b>	<0.00014	<0.00018	<0.00014	<0.00018	<0.00014	<0.00018	--	<0.00014	<0.00018	<0.00014	<0.00018
<b>Vanadium</b>	<0.0022	<0.0019	<0.0022	<0.0019	<0.0022	<0.0019	--	<0.0022	<0.0019	<0.0022	<0.0019	
<b>Zinc</b>	<0.0022	<0.0070	0.057	0.093	<0.0022	<0.0070	--	<0.0022	<0.0070	<0.0022	<0.0070	
<b>APPENDIX III</b>	<b>Boron</b>	0.038 J	0.037 J	0.041	0.037 J	0.050	0.088	--	0.041 J	0.012 J	0.037 J	0.033 J
	<b>Calcium</b>	70.8	67.7	64.3	40.5	83.2	111	--	36.8	38.1	48.7	45.5
	<b>Chloride</b>	1.5	1.6	1.5	1.6	2.2	2.7	--	0.74 J	0.85 J	1.1	1.2
	<b>Fluoride</b>	0.060 J	0.057 J	0.17	0.19	0.12	0.13	--	0.080 J	0.076 J	0.078 J	0.078 J
	<b>pH <sup>(3)</sup></b>	7.09	7.06	6.59	6.29	7.06	6.65	6.77	6.92	6.91	7.43	7.45
	<b>Sulfate</b>	105	95.9	87.4	101	33.1	31.6	--	65.1	76.3	14.2	14.9
<b>TDS</b>	298	318	299	210	308	425	--	209	208	201	185	

**Table 5**  
**Summary of Groundwater Analytical Data**  
**Plant Hammond, Huffaker Road Landfill, Floyd County, Georgia**

Well ID:		GWC-18	GWC-18	GWC-19	GWC-19	GWC-20	GWC-20	GWC-21	GWC-21	GWC-22	GWC-22	GWC-23	GWC-23
Sample Date:		3/9/2021	8/10/2021	3/10/2021	8/10/2021	3/10/2021	8/10/2021	3/9/2021	8/10/2021	3/9/2021	8/10/2021	3/9/2021	8/10/2021
Parameter <sup>(1,2)</sup>													
<b>D&amp;O PLAN</b>	<b>Antimony</b>	<0.00028	<0.00078	<0.00028	<0.00078	<0.00028	<0.00078	<0.00028	<0.00078	<0.00028	<0.00078	<0.00028	<0.00078
	<b>Arsenic</b>	<0.00078	<0.0011	<0.00078	<0.0011	<0.00078	<0.0011	<0.00078	<0.0011	<0.00078	<0.0011	<0.00078	<0.0011
	<b>Barium</b>	0.077	0.093	0.15	0.14	0.13	0.14	0.12	0.057	0.089	0.091	0.085	0.085
	<b>Beryllium</b>	<0.000046	<0.000054	<0.000046	<0.000054	<0.000046	<0.000054	<0.000046	<0.000054	<0.000046	<0.000054	<0.000046	<0.000054
	<b>Cadmium</b>	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011
	<b>Chromium</b>	<0.00055	<0.0011	<0.00055	<0.0011	<0.00055	<0.0011	<0.00055	<0.0011	<0.00055	<0.0011	<0.00055	<0.0011
	<b>Cobalt</b>	<0.00038	<0.00039	<0.00038	<0.00039	<0.00038	<0.00039	0.00049 J	0.0041 J	<0.00038	<0.00039	<0.00038	<0.00039
	<b>Copper</b>	<0.0017	<0.00050	<0.0017	<0.00050	<0.0017	<0.00050	<0.0017	<0.00050	<0.0017	<0.00050	<0.0017	0.00078 J
	<b>Lead</b>	<0.000036	<0.00089	<0.000036	<0.00089	<0.000036	<0.00089	0.00013 J	<0.00089	0.000038 J	<0.00089	0.00011 J	<0.00089
	<b>Nickel</b>	<0.00069	<0.00071	<0.00069	<0.00071	<0.00069	<0.00071	0.0013 J	0.0076	<0.00069	<0.00071	<0.00069	0.00080 J
	<b>Selenium</b>	<0.0016	<0.0014	<0.0016	<0.0014	<0.0016	<0.0014	<0.0016	<0.0014	<0.0016	<0.0014	<0.0016	<0.0014
	<b>Silver</b>	<0.00036	<0.00044	<0.00036	<0.00044	<0.00036	<0.00044	<0.00036	<0.00044	<0.00036	<0.00044	<0.00036	<0.00044
	<b>Thallium</b>	<0.00014	<0.00018	<0.00014	<0.00018	<0.00014	<0.00018	<0.00014	<0.00018	<0.00014	<0.00018	<0.00014	<0.00018
<b>Vanadium</b>	<0.0022	<0.0019	<0.0022	<0.0019	<0.0022	<0.0019	<0.0022	<0.0019	<0.0022	<0.0019	<0.0022	<0.0019	
<b>Zinc</b>	<0.0022	<0.0070	<0.0022	<0.0070	<0.0022	<0.0070	0.0033 J	<0.0070	<0.0022	<0.0070	<0.0022	<0.0070	
<b>APPENDIX III</b>	<b>Boron</b>	0.13	0.14	0.16	0.14	0.018 J	0.013 J	0.030 J	0.026 J	0.065	0.057	0.044	0.027 J
	<b>Calcium</b>	44.9	48.2	47.4	44.9	64.9	62.0	67.8	29.7	48.7	48.1	54.3	48.2
	<b>Chloride</b>	0.97 J	0.93 J	1.3	1.2	1.2	1.2	1.8	2.0	1.0	1.1	0.85 J	1.0
	<b>Fluoride</b>	0.11	0.11	0.11	0.11	0.068 J	0.066 J	0.058 J	<0.050	0.067 J	0.071 J	0.069 J	0.087 J
	<b>pH <sup>(3)</sup></b>	7.66	7.40	7.49	7.49	7.41	7.31	7.04	6.05	7.52	7.75	6.81	6.96
	<b>Sulfate</b>	7.9	10.3	18.7	17.8	64.7	66.4	41.6	23.8	6.4	6.2	10.2	8.0
<b>TDS</b>	192	224	223	209	241	270	243	121	178	206	216	178	



# FIGURES



**LEGEND**

 Approximate Landfill Boundary



Note:  
1. Aerial photograph source: Google Earth Pro, August 2019.

0 200 400 800



SCALE IN FEET

**SITE LOCATION MAP**

GEORGIA POWER COMPANY  
PLANT HAMMOND HUFFAKER ROAD LANDFILL  
FLOYD COUNTY, GEORGIA

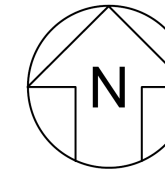
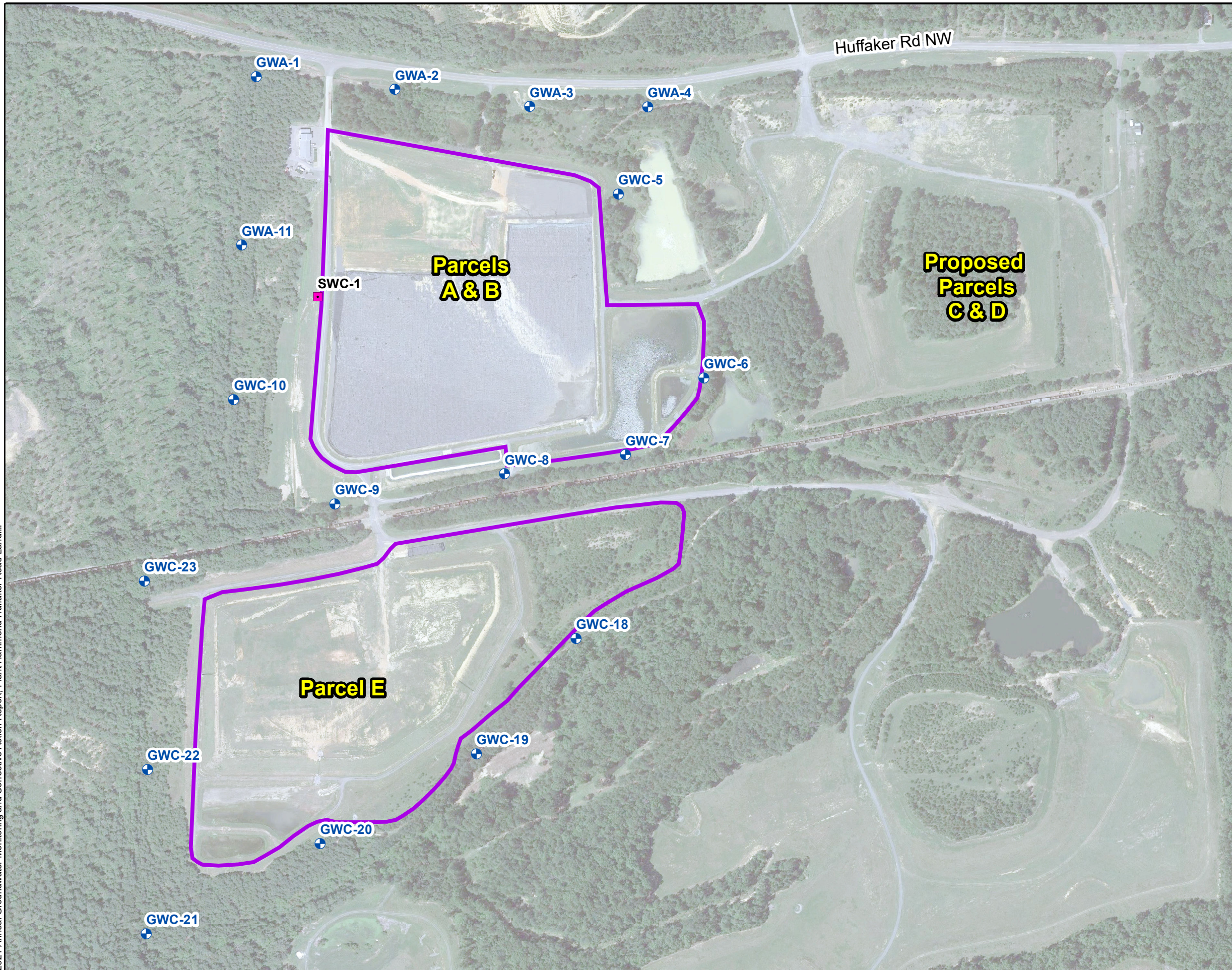
Prepared For:  Georgia Power

Prepared By:  Geosyntec  
consultants




**FIGURE**  
**1**

KENNESAW, GA

JANUARY 2022



**LEGEND**

-  Compliance Monitoring Well
-  Landfill Underdrain Sample Point
-  Approximate Landfill Boundary

Note:  
1. Aerial photograph source: Google Earth Pro, August 2019.



**MONITORING WELL NETWORK MAP**

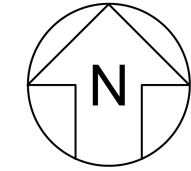
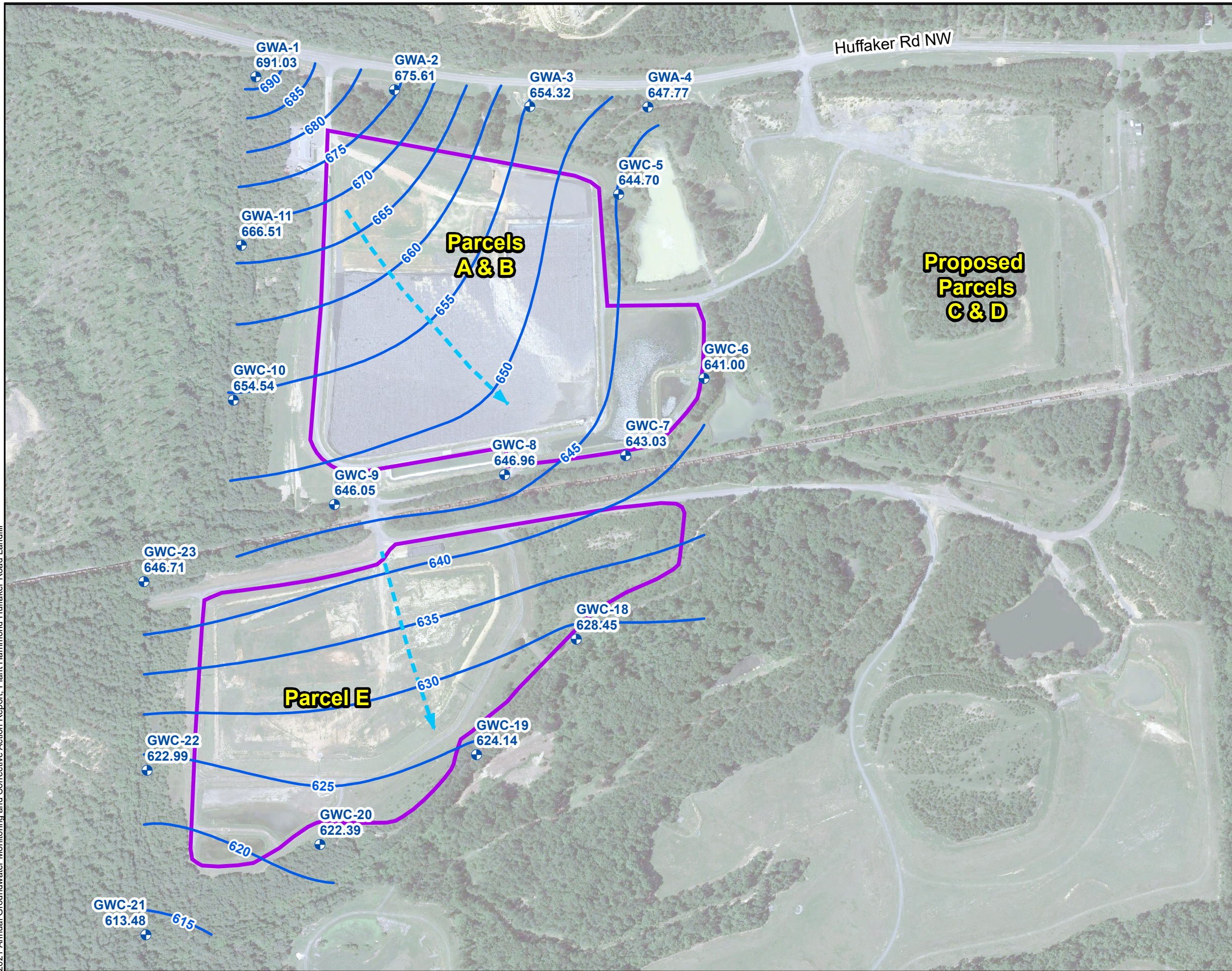
GEORGIA POWER COMPANY  
PLANT HAMMOND HUFFAKER ROAD LANDFILL  
FLOYD COUNTY, GEORGIA

Prepared For:  Georgia Power

Prepared By:  Geosyntec  
consultants

**FIGURE**  
**2**

KENNESAW, GA JANUARY 2022



**LEGEND**

- Compliance Monitoring Well
- Groundwater Elevation Contour
- Approximate Groundwater Flow Direction
- Approximate Landfill Boundary

- Notes:
1. Water level elevation recorded on March 8, 2021.  
Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
  2. Aerial photograph source: Google Earth Pro, August 2019.



**POTENTIOMETRIC SURFACE CONTOUR  
MAP - MARCH 2021**

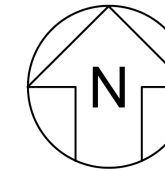
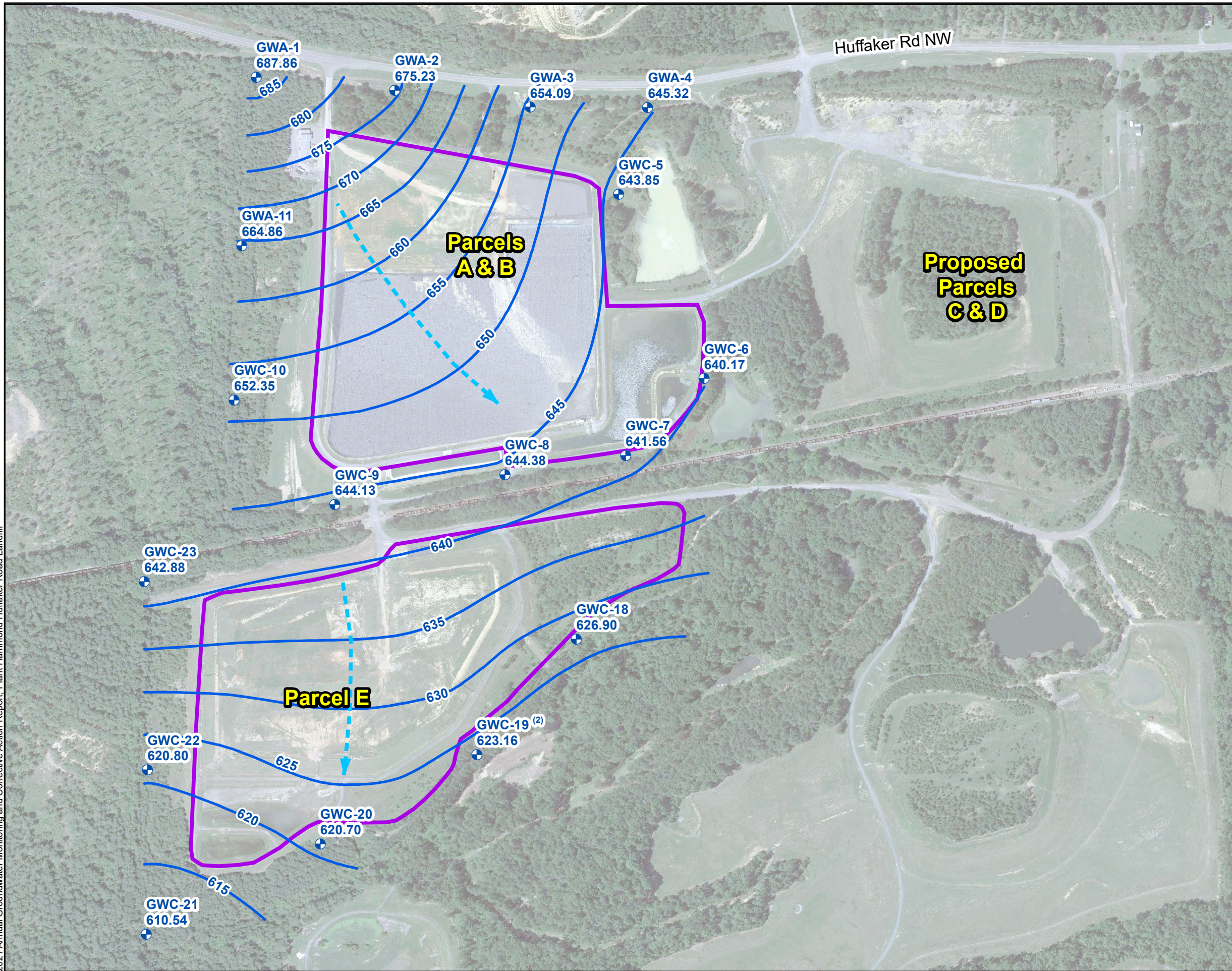
GEORGIA POWER COMPANY  
PLANT HAMMOND HUFFAKER ROAD LANDFILL  
FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec  
consultants

**FIGURE  
3**

KENNESAW, GA    JANUARY 2022



**LEGEND**

- Compliance Monitoring Well
- Groundwater Elevation Contour
- Approximate Groundwater Flow Direction
- Approximate Landfill Boundary

**Notes:**

1. Water level elevation recorded on August 9, 2021. Elevation provided in feet (ft) referenced to the North American Vertical Datum (NAVD) 88.
2. Water elevation of GWC-19 from August 9, 2021 was not used in the development of contours due to error in gauging. Reported water elevation was calculated from the measurement recorded prior to purging on August 10, 2021.
3. Aerial photograph source: Google Earth Pro, August 2019.

0 200 400 800



SCALE IN FEET



**POTENTIOMETRIC SURFACE CONTOUR  
MAP - AUGUST 2021**

GEORGIA POWER COMPANY  
PLANT HAMMOND HUFFAKER ROAD LANDFILL  
FLOYD COUNTY, GEORGIA

Prepared For: Georgia Power

Prepared By: Geosyntec  
consultants

**FIGURE**

**4**

KENNESAW, GA    JANUARY 2022

# APPENDIX A

## Well Maintenance and Repair Documentation Memorandum

**MEMORANDUM**

**DATE:** October 24, 2021

**TO:** Kristen Jurinko, P.G., Southern Company Services, Inc.

**CC:** Matthew Bierkamp, Georgia Power Company  
Ben Hodges, Georgia Power Company

**FROM:** Geosyntec Consultants

**SUBJECT:** **Plant Hammond Huffaker Road Landfill – Well Maintenance and Repair Documentation, Georgia Power Company**

Geosyntec Consultants has prepared this memorandum to provide documentation of groundwater monitoring well maintenance and/or repair performed at Plant Hammond Huffaker Road Landfill during the 2021 annual reporting period. All repairs and maintenance were completed in accordance with the Georgia Environmental Protection Division (GA EPD) guidance on routine visual inspections of groundwater monitoring wells. Documentation of the well inspections are provided as an attachment to this memorandum.

<b>Georgia Power Site/Unit</b>	<b>Date Performed</b>	<b>Well ID</b>	<b>Maintenance/ Repair Performed</b>
Hammond/Huffaker	1/19/2021	GWC-23	Added concrete under well pad to promote stability.
Hammond/Huffaker	8/4/2021	All Wells	Checked and cleared weepholes of debris.
Hammond/Huffaker	8/4/2021	GWC-23	Added surrounding soil/material under well pad to promote stability.
Hammond/Huffaker	9/28/2021	GWA-4, GWC-23	Inspected well pads for instability, no issue noted, no action taken.

ATTACHMENT

Well Inspection Forms



March 2021

**Groundwater Monitoring Well Integrity Form**

Site Name HARMOND/HUFFAKER  
 Permit Number \_\_\_\_\_  
 Well ID GWA-1  
 Date, field conditions SUNNY, 69°F 2021-03-08

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

COVERED WITH LEAVES

7 Corrective actions as needed, by date:  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

**Groundwater Monitoring Well Integrity Form**

Site Name Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWA-2  
 Date, field conditions 3/8/14 sunny 70°F

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

7 Corrective actions as needed, by date:  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection  
 \_\_\_\_\_

**Groundwater Monitoring Well Integrity Form**

Site Name Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWA-3  
 Date, field conditions 3/8/2021 Sunday 65°F

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

7 Corrective actions as needed, by date:  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection  
 \_\_\_\_\_

### Groundwater Monitoring Well Integrity Form

Site Name Hupperer  
 Permit Number \_\_\_\_\_  
 Well ID GWA-4  
 Date, field conditions 3/18/2021 Sunny 65°F

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

7 Corrective actions as needed, by date:

\_\_\_\_\_

\_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

**Groundwater Monitoring Well Integrity Form**

Site Name Hammond Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GWA-11  
 Date, field conditions 3/8/21 sunny 70°F

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

7 Corrective actions as needed, by date:  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

**Groundwater Monitoring Well Integrity Form**

Site Name Hammond Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GWC-5  
 Date, field conditions 2/8/2021 sunny 70°F

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

7 Corrective actions as needed, by date:  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

**Groundwater Monitoring Well Integrity Form**

Site Name Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-6  
 Date, field conditions 3/8/11 sunny TO

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

7 Corrective actions as needed, by date:  
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Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name Hammond Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GWG-7  
 Date, field conditions 3/8/21 sunny 70°F

		yes	no	n/a
<b>1 Location/Identification</b>				
a	Is the well visible and accessible?	/	—	—
b	Is the well properly identified with the correct well ID?	/	—	—
c	Is the well in a high traffic area and does the well require protection from traffic?	—	—	/
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	/	—	—
<b>2 Protective Casing</b>				
a	Is the protective casing free from apparent damage and able to be secured?	/	—	—
b	Is the casing free of degradation or deterioration?	/	—	—
c	Does the casing have a functioning weep hole?	/	—	—
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	/	—	—
e	Is the well locked and is the lock in good condition?	/	—	—
<b>3 Surface pad</b>				
a	Is the well pad in good condition (not cracked or broken)?	/	—	—
b	Is the well pad sloped away from the protective casing?	/	—	—
c	Is the well pad in complete contact with the protective casing?	/	—	—
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	/	—	—
e	Is the pad surface clean (not covered with sediment or debris)?	/	—	—
<b>4 Internal casing</b>				
a	Does the cap prevent entry of foreign material into the well?	/	—	—
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	/	—	—
c	Is the well properly vented for equilibration of air pressure?	/	—	—
d	Is the survey point clearly marked on the inner casing?	/	—	—
e	Is the depth of the well consistent with the original well log?	/	—	/ (60)
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	/	—	—
<b>5 Sampling: Groundwater Wells Only:</b>				
a	Does well recharge adequately when purged?	/	—	—
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	—	/	/
c	Does the well require redevelopment (low flow, turbid)?	—	/	—
<b>6 Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?</b>				
		/	—	—

7 Corrective actions as needed, by date:  
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Signature and Seal of PE/PG responsible for inspection  
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**Groundwater Monitoring Well Integrity Form**

Site Name Hull Creek  
 Permit Number \_\_\_\_\_  
 Well ID GW-8  
 Date, field conditions 3/8/21 sunny, 50

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

7 Corrective actions as needed, by date:  
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Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name HAMMOND / HUPPACER  
 Permit Number \_\_\_\_\_  
 Well ID GWC-9  
 Date, field conditions SUMMIT, OHIO 3/8/21 (NW 11/17/21)

		yes	no	n/a
<b>1 Location/Identification</b>				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<u>X (NW 11/17/21)</u>		

7 Corrective actions as needed, by date:  
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Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name Hamm and Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GWC-10  
 Date, field conditions 7/8/21 SUNNY 70°F

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

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

**Groundwater Monitoring Well Integrity Form**

Site Name Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-18  
 Date, field conditions 3/18/21 sunny 70

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

7 Corrective actions as needed, by date:  
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Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name Hammond Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GWC-19  
 Date, field conditions 3/8/21 sunny

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

7 Corrective actions as needed, by date:  
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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Hufferker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-20  
 Date, field conditions 3/8/21 Sunny

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

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name Huffman  
 Permit Number \_\_\_\_\_  
 Well ID G-102-21  
 Date, field conditions 3/18/21 Sunny

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

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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## Groundwater Monitoring Well Integrity Form

Site Name Hull Creek  
 Permit Number \_\_\_\_\_  
 Well ID C-100-22  
 Date, field conditions 3/8/21 sunny

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

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name Huffman  
 Permit Number \_\_\_\_\_  
 Well ID GW-23  
 Date, field conditions 3/8/21 sunny, 70°F (NW 11/17/21)

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

7 Corrective actions as needed, by date:  
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Signature and Seal of PE/PG responsible for inspection

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August 2021

### Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond- Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWA-1  
 Date, field conditions 8/9/21 sunny/91°F

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

7 Corrective actions as needed, by date:  
none

Signature and Seal of PE/PG responsible for inspection

### Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond - Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWA-2  
 Date, field conditions 8/9/21, sunny/91°F

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

7 Corrective actions as needed, by date:

none

Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name Plant Hammond Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GW-3  
 Date, field conditions 8/19/21 sunny 40  
(NM/11/17/21)

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

7 Corrective actions as needed, by date:  
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Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name Plant Hammond - Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GWA-4  
 Date, field conditions 8/9/21 - Sunny 87

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

7 Corrective actions as needed, by date:  
well pad slightly shaken

Signature and Seal of PE/PG responsible for inspection

### Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond / *[Signature]*  
 Permit Number \_\_\_\_\_  
 Well ID GW-11  
 Date, field conditions 8/9/2021, sunny, hot

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

7 Corrective actions as needed, by date:  
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Signature and Seal of PE/PG responsible for inspection

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### Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond - Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-5  
 Date, field conditions State, Sunny / 91° 8/10/21

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

7 Corrective actions as needed, by date:  
none

Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name Plant Hammond Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GWC-6  
 Date, field conditions 8/10/21 sunny 75°F

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

7 Corrective actions as needed, by date:  
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Signature and Seal of PE/PG responsible for inspection

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### Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond - Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-7  
 Date, field conditions 8/19/21, Sunny, 11am 8/10/21

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

7 Corrective actions as needed, by date:  
none

Signature and Seal of PE/PG responsible for inspection

### Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GW6-8  
 Date, field conditions 11/17/21 sunny 85°F

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

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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### Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond-Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-9  
 Date, field conditions 8/9/21, 91 8/10/21

		yes	no	n/a
<b>1 Location/Identification</b>				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
a	Does well recharge adequately when purged?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<u>X (NM 11/17/21)</u>		

7 Corrective actions as needed, by date:  
None

Signature and Seal of PE/PG responsible for inspection

### Groundwater Monitoring Well Integrity Form

Site Name Plant Hammerhead / Buffalo  
 Permit Number \_\_\_\_\_  
 Well ID GWC-10  
 Date, field conditions 8/9/2021 sunny, hot

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

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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### Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond- Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-18  
 Date, field conditions 8/19/21 8/10/21

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

7 Corrective actions as needed, by date:

none

Signature and Seal of PE/PG responsible for inspection

### Groundwater Monitoring Well Integrity Form

Site Name Plant - Hammond - Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-19  
 Date, field conditions 8/9/21 8/10/21

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

Bollards in place (NM 9/3/21)

7 Corrective actions as needed, by date:  
none.

Signature and Seal of PE/PG responsible for inspection



**Groundwater Monitoring Well Integrity Form**

Site Name Plant Hammond Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GWC-20  
 Date, field conditions 8/10/21 Sunny 87°F

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

7 Corrective actions as needed, by date:  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

**Groundwater Monitoring Well Integrity Form**

Site Name Plant Hammond Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GW-21  
 Date, field conditions 8/9/2021

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

7 Corrective actions as needed, by date:  
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 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

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### Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond / Bluff  
 Permit Number \_\_\_\_\_  
 Well ID GWC-22  
 Date, field conditions 8/9/2011 Sunny, hot

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

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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**Groundwater Monitoring Well Integrity Form**

Site Name Plant Hammond Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GW6-23  
 Date, field conditions 8/10/21 Sunny 75°F

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

7 Corrective actions as needed, by date:  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

September 2021

### Groundwater Monitoring Well Integrity Form

Site Name Huffaker  
 Permit Number GWA-4  
 Well ID \_\_\_\_\_  
 Date, field conditions 9/28/21

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

No sample taken,  
 well inspection  
 only (NM  
 11/17/21)

7 Corrective actions as needed, by date:  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

**Groundwater Monitoring Well Integrity Form**

Site Name Plant Hammond Huffaker (NM 11/17/21)  
 Permit Number \_\_\_\_\_  
 Well ID GLWC-8  
 Date, field conditions 9/28/21 clear  
 (NM 11/7/21)

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

Bollards in place  
(NM 11/17/21)

7 Corrective actions as needed, by date:

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Signature and Seal of PE/PG responsible for inspection

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### Groundwater Monitoring Well Integrity Form

Site Name Huffer  
 Permit Number GNRC-23  
 Well ID \_\_\_\_\_  
 Date, field conditions 9/28/21

		yes	no	n/a
<b>1 Location/Identification</b>				
a	Is the well visible and accessible?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well properly identified with the correct well ID?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well in a high traffic area and does the well require protection from traffic?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d	Is the drainage around the well acceptable? (no standing water, nor is well located in obvious drainage flow path)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>2 Protective Casing</b>				
a	Is the protective casing free from apparent damage and able to be secured?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of degradation or deterioration?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Does the casing have a functioning weep hole?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the annular space between casings clear of debris and water, or filled with pea gravel/sand?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the well locked and is the lock in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>3 Surface pad</b>				
a	Is the well pad in good condition (not cracked or broken)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the well pad sloped away from the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well pad in complete contact with the protective casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the well pad in complete contact with the ground surface and stable? (not undermined by erosion, animal burrows, and does not move when stepped on)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the pad surface clean (not covered with sediment or debris)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>4 Internal casing</b>				
a	Does the cap prevent entry of foreign material into the well?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b	Is the casing free of kinks or bends, or any obstructions from foreign objects (such as bailers)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c	Is the well properly vented for equilibration of air pressure?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d	Is the survey point clearly marked on the inner casing?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e	Is the depth of the well consistent with the original well log?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f	Is the casing stable? (or does the pvc move easily when touched or can it be taken apart by hand due to lack of grout or use of slip couplings in construction)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>5 Sampling: Groundwater Wells Only:</b>				
a	Does well recharge adequately when purged?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> No sample taken,
b	If dedicated sampling equipment installed, is it in good condition and specified in the approved groundwater plan for the facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> well inspection
c	Does the well require redevelopment (low flow, turbid)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> only (NM
11/17/21)				
6	Based on your professional judgement, is the well construction / location appropriate to 1) achieve the objectives of the Groundwater Monitoring Program and 2) comply with the applicable regulatory requirements?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

7 Corrective actions as needed, by date:  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection  
 \_\_\_\_\_



## APPENDIX B

# Analytical Laboratory Results and Field Sampling Forms

# APPENDIX B1

## Analytical Laboratory Data Packages and Data Validation Reports

# Laboratory Reports

March 31, 2021

Joju Abraham  
Georgia Power-CCR  
2480 Maner Road  
Atlanta, GA 30339

RE: Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between March 09, 2021 and March 11, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Kevin Herring  
kevin.herring@pacelabs.com  
1(704)875-9092  
HORIZON Database Administrator

Enclosures

cc: Christine Hug, Geosyntec Consultants, Inc.  
Kristen Jurinko  
Thomas Kessler, Geosyntec  
Whitney Law, Geosyntec Consultants  
Noelia Muskus, Geosyntec Consultants  
Ms. Lauren Petty, Southern Company  
Nardos Tilahun, GeoSyntec  
Dawit Yifru, Geosyntec Consultants, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

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### **Pace Analytical Services Charlotte**

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
Louisiana/NELAP Certification # LA170028  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001  
Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
Virginia/VELAP Certification #: 460221

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### **Pace Analytical Services Asheville**

2225 Riverside Drive, Asheville, NC 28804  
Florida/NELAP Certification #: E87648  
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40  
South Carolina Certification #: 99030001  
Virginia/VELAP Certification #: 460222

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### **Pace Analytical Services Peachtree Corners**

110 Technology Pkwy, Peachtree Corners, GA 30092  
Florida DOH Certification #: E87315  
Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381  
South Carolina Certification #: 98011001

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92526337001	GWA-1	Water	03/08/21 16:55	03/09/21 10:15
92526337002	GWA-3	Water	03/08/21 15:43	03/09/21 10:15
92526337003	GWA-4	Water	03/08/21 14:27	03/09/21 10:15
92526337004	GWA-11	Water	03/08/21 15:53	03/09/21 10:15
92526337005	GWA-2	Water	03/09/21 09:22	03/10/21 12:25
92526337006	GWC-5	Water	03/09/21 12:10	03/10/21 12:25
92526337007	GWC-6	Water	03/09/21 14:15	03/10/21 12:25
92526337008	GWC-7	Water	03/09/21 16:05	03/10/21 12:25
92526337009	GWC-8	Water	03/09/21 11:52	03/10/21 12:25
92526337010	GWC-9	Water	03/09/21 09:47	03/10/21 12:25
92526337011	GWC-10	Water	03/09/21 12:23	03/10/21 12:25
92526337012	GWC-18	Water	03/09/21 13:32	03/10/21 12:25
92526337013	GWC-21	Water	03/09/21 15:07	03/10/21 12:25
92526337014	GWC-22	Water	03/09/21 13:54	03/10/21 12:25
92526337015	GWC-23	Water	03/09/21 16:03	03/10/21 12:25
92526337016	DUP-5	Water	03/09/21 00:00	03/10/21 12:25
92526337017	EB-4	Water	03/09/21 16:00	03/10/21 12:25
92526337018	FB-5	Water	03/09/21 16:10	03/10/21 12:25
92527273001	GWC-19	Water	03/10/21 14:03	03/11/21 15:55
92527273002	GWC-20	Water	03/10/21 16:06	03/11/21 15:55

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92526337001	GWA-1	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92526337002	GWA-3	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92526337003	GWA-4	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92526337004	GWA-11	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92526337005	GWA-2	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92526337006	GWC-5	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92526337007	GWC-6	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92526337008	GWC-7	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92526337009	GWC-8	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92526337010	GWC-9	EPA 6010D	DRB	1

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92526337011	GWC-10	EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
92526337012	GWC-18	SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
92526337013	GWC-21	EPA 300.0 Rev 2.1 1993	JLH	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92526337014	GWC-22	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
		EPA 6010D	DRB	1
92526337015	GWC-23	EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
92526337016	DUP-5	SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
92526337017	EB-4	EPA 300.0 Rev 2.1 1993	JLH	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
92526337018	FB-5	EPA 6010D	DRB	1
		EPA 6020B	CW1, KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	JLH	3
		EPA 6010D	DRB	1
92527273001	GWC-19	EPA 6020B	CW1	16
		EPA 6010D	KH	1
		EPA 6020B	CW1	16

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### SAMPLE ANALYTE COUNT

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92527273002	GWC-20	EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2450C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92526337001</b>	<b>GWA-1</b>					
	Performed by	CUSTOMER			03/22/21 11:50	
	pH	6.86	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	16.2	mg/L	1.0	03/19/21 00:59	M1
EPA 6020B	Barium	0.035	mg/L	0.0050	03/17/21 22:50	
EPA 6020B	Boron	0.021J	mg/L	0.040	03/17/21 22:50	
EPA 6020B	Cobalt	0.00050J	mg/L	0.0050	03/17/21 22:50	
SM 2450C-2011	Total Dissolved Solids	96.0	mg/L	10.0	03/10/21 17:22	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	03/16/21 10:36	
EPA 300.0 Rev 2.1 1993	Fluoride	0.094J	mg/L	0.10	03/16/21 10:36	
EPA 300.0 Rev 2.1 1993	Sulfate	4.6	mg/L	1.0	03/16/21 10:36	
<b>92526337002</b>	<b>GWA-3</b>					
	Performed by	CUSTOMER			03/22/21 11:50	
	pH	6.95	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	73.5	mg/L	1.0	03/19/21 01:19	
EPA 6020B	Barium	0.12	mg/L	0.0050	03/17/21 22:56	
EPA 6020B	Boron	0.13	mg/L	0.040	03/17/21 22:56	
EPA 6020B	Lead	0.000040J	mg/L	0.0010	03/17/21 22:56	
SM 2450C-2011	Total Dissolved Solids	415	mg/L	10.0	03/10/21 17:22	
EPA 300.0 Rev 2.1 1993	Chloride	2.8	mg/L	1.0	03/16/21 10:50	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	03/16/21 10:50	
EPA 300.0 Rev 2.1 1993	Sulfate	99.5	mg/L	1.0	03/16/21 10:50	
<b>92526337003</b>	<b>GWA-4</b>					
	Performed by	CUSTOMER			03/22/21 11:50	
	pH	6.84	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	87.2	mg/L	1.0	03/19/21 01:24	
EPA 6020B	Antimony	0.0016J	mg/L	0.0030	03/17/21 23:19	
EPA 6020B	Barium	0.052	mg/L	0.0050	03/17/21 23:19	
EPA 6020B	Boron	0.089	mg/L	0.040	03/17/21 23:19	
EPA 6020B	Cobalt	0.00061J	mg/L	0.0050	03/17/21 23:19	
EPA 6020B	Zinc	0.0034J	mg/L	0.010	03/17/21 23:19	
SM 2450C-2011	Total Dissolved Solids	460	mg/L	10.0	03/10/21 17:22	
EPA 300.0 Rev 2.1 1993	Chloride	5.6	mg/L	1.0	03/16/21 11:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10	mg/L	0.10	03/16/21 11:03	
EPA 300.0 Rev 2.1 1993	Sulfate	152	mg/L	3.0	03/16/21 17:04	
<b>92526337004</b>	<b>GWA-11</b>					
	Performed by	CUSTOMER			03/22/21 11:50	
	pH	6.78	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	22.0	mg/L	1.0	03/19/21 01:29	
EPA 6020B	Antimony	0.00050J	mg/L	0.0030	03/17/21 23:25	
EPA 6020B	Barium	0.031	mg/L	0.0050	03/17/21 23:25	
EPA 6020B	Boron	0.042	mg/L	0.040	03/17/21 23:25	
EPA 6020B	Cobalt	0.00049J	mg/L	0.0050	03/17/21 23:25	
EPA 6020B	Nickel	0.0010J	mg/L	0.0050	03/17/21 23:25	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92526337004</b>	<b>GWA-11</b>					
SM 2450C-2011	Total Dissolved Solids	107	mg/L	10.0	03/10/21 17:22	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	03/16/21 11:17	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	03/16/21 11:17	
EPA 300.0 Rev 2.1 1993	Sulfate	11.5	mg/L	1.0	03/16/21 11:17	
<b>92526337005</b>	<b>GWA-2</b>					
	Performed by	CUSTOME			03/22/21 11:50	
		R				
	pH	6.93	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	48.7	mg/L	1.0	03/19/21 01:34	
EPA 6020B	Barium	0.17	mg/L	0.0050	03/17/21 23:30	
EPA 6020B	Boron	0.081	mg/L	0.040	03/17/21 23:30	
SM 2450C-2011	Total Dissolved Solids	227	mg/L	10.0	03/13/21 15:45	D6
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	03/16/21 23:16	
EPA 300.0 Rev 2.1 1993	Fluoride	0.099J	mg/L	0.10	03/16/21 23:16	
EPA 300.0 Rev 2.1 1993	Sulfate	16.8	mg/L	1.0	03/16/21 23:16	
<b>92526337006</b>	<b>GWC-5</b>					
	Performed by	CUSTOME			03/22/21 11:50	
		R				
	pH	6.93	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	85.4	mg/L	1.0	03/19/21 01:38	
EPA 6020B	Barium	0.063	mg/L	0.0050	03/17/21 23:47	
EPA 6020B	Boron	0.046	mg/L	0.040	03/17/21 23:47	
EPA 6020B	Cobalt	0.00043J	mg/L	0.0050	03/17/21 23:47	
SM 2450C-2011	Total Dissolved Solids	364	mg/L	10.0	03/13/21 15:45	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	03/17/21 00:01	
EPA 300.0 Rev 2.1 1993	Fluoride	0.050J	mg/L	0.10	03/17/21 00:01	
EPA 300.0 Rev 2.1 1993	Sulfate	86.9	mg/L	1.0	03/17/21 00:01	
<b>92526337007</b>	<b>GWC-6</b>					
	Performed by	CUSTOME			03/22/21 11:50	
		R				
	pH	7.09	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	70.8	mg/L	1.0	03/19/21 01:43	
EPA 6020B	Barium	0.17	mg/L	0.0050	03/17/21 23:53	
EPA 6020B	Boron	0.038J	mg/L	0.040	03/17/21 23:53	
SM 2450C-2011	Total Dissolved Solids	298	mg/L	10.0	03/13/21 15:46	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	03/17/21 00:16	
EPA 300.0 Rev 2.1 1993	Fluoride	0.060J	mg/L	0.10	03/17/21 00:16	
EPA 300.0 Rev 2.1 1993	Sulfate	105	mg/L	2.0	03/17/21 10:29	
<b>92526337008</b>	<b>GWC-7</b>					
	Performed by	CUSTOME			03/22/21 11:50	
		R				
	pH	6.59	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	64.3	mg/L	1.0	03/19/21 01:57	
EPA 6020B	Arsenic	0.0052	mg/L	0.0050	03/17/21 23:59	
EPA 6020B	Barium	0.31	mg/L	0.0050	03/17/21 23:59	
EPA 6020B	Boron	0.041	mg/L	0.040	03/17/21 23:59	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92526337008</b>	<b>GWC-7</b>					
EPA 6020B	Cobalt	0.0093	mg/L	0.0050	03/17/21 23:59	
EPA 6020B	Lead	0.000085J	mg/L	0.0010	03/17/21 23:59	
EPA 6020B	Nickel	0.035	mg/L	0.0050	03/17/21 23:59	
EPA 6020B	Zinc	0.057	mg/L	0.010	03/17/21 23:59	
SM 2450C-2011	Total Dissolved Solids	299	mg/L	10.0	03/13/21 15:46	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	03/17/21 00:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.17	mg/L	0.10	03/17/21 00:31	
EPA 300.0 Rev 2.1 1993	Sulfate	87.4	mg/L	1.0	03/17/21 00:31	
<b>92526337009</b>	<b>GWC-8</b>					
	Performed by	CUSTOMER			03/22/21 11:50	
	pH	7.06	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	83.2	mg/L	1.0	03/19/21 02:02	
EPA 6020B	Arsenic	0.0018J	mg/L	0.0050	03/18/21 00:05	
EPA 6020B	Barium	0.14	mg/L	0.0050	03/18/21 00:05	
EPA 6020B	Boron	0.050	mg/L	0.040	03/18/21 00:05	
EPA 6020B	Cobalt	0.0013J	mg/L	0.0050	03/18/21 00:05	
SM 2450C-2011	Total Dissolved Solids	308	mg/L	10.0	03/13/21 15:46	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	03/17/21 00:46	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	03/17/21 00:46	
EPA 300.0 Rev 2.1 1993	Sulfate	33.1	mg/L	1.0	03/17/21 00:46	
<b>92526337010</b>	<b>GWC-9</b>					
	Performed by	CUSTOMER			03/22/21 11:50	
	pH	6.92	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	36.8	mg/L	1.0	03/19/21 02:07	
EPA 6020B	Barium	0.059	mg/L	0.0050	03/18/21 00:10	
EPA 6020B	Boron	0.014J	mg/L	0.040	03/18/21 00:10	
EPA 6020B	Cobalt	0.00042J	mg/L	0.0050	03/18/21 00:10	
EPA 6020B	Nickel	0.0014J	mg/L	0.0050	03/18/21 00:10	
SM 2450C-2011	Total Dissolved Solids	209	mg/L	10.0	03/13/21 15:46	
EPA 300.0 Rev 2.1 1993	Chloride	0.74J	mg/L	1.0	03/17/21 02:01	
EPA 300.0 Rev 2.1 1993	Fluoride	0.080J	mg/L	0.10	03/17/21 02:01	
EPA 300.0 Rev 2.1 1993	Sulfate	65.1	mg/L	1.0	03/17/21 02:01	M1
<b>92526337011</b>	<b>GWC-10</b>					
	Performed by	CUSTOMER			03/22/21 11:50	
	pH	7.43	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	48.7	mg/L	1.0	03/19/21 02:12	
EPA 6020B	Barium	0.15	mg/L	0.0050	03/18/21 00:16	
EPA 6020B	Boron	0.037J	mg/L	0.040	03/18/21 00:16	
SM 2450C-2011	Total Dissolved Solids	201	mg/L	10.0	03/13/21 15:47	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	03/17/21 03:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.10	03/17/21 03:15	
EPA 300.0 Rev 2.1 1993	Sulfate	14.2	mg/L	1.0	03/17/21 03:15	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92526337012</b>	<b>GWC-18</b>					
	Performed by	CUSTOMER			03/22/21 11:50	
	pH	7.66	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	44.9	mg/L	1.0	03/19/21 02:17	
EPA 6020B	Barium	0.077	mg/L	0.0050	03/18/21 00:22	
EPA 6020B	Boron	0.13	mg/L	0.040	03/18/21 00:22	
SM 2450C-2011	Total Dissolved Solids	192	mg/L	10.0	03/13/21 15:47	
EPA 300.0 Rev 2.1 1993	Chloride	0.97J	mg/L	1.0	03/17/21 03:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	03/17/21 03:30	
EPA 300.0 Rev 2.1 1993	Sulfate	7.9	mg/L	1.0	03/17/21 03:30	
<b>92526337013</b>	<b>GWC-21</b>					
	Performed by	CUSTOMER			03/22/21 11:50	
	pH	7.04	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	67.8	mg/L	1.0	03/19/21 02:22	
EPA 6020B	Barium	0.12	mg/L	0.0050	03/18/21 00:28	
EPA 6020B	Boron	0.030J	mg/L	0.040	03/18/21 00:28	
EPA 6020B	Cobalt	0.00049J	mg/L	0.0050	03/18/21 00:28	
EPA 6020B	Lead	0.00013J	mg/L	0.0010	03/18/21 00:28	
EPA 6020B	Nickel	0.0013J	mg/L	0.0050	03/18/21 00:28	
EPA 6020B	Zinc	0.0033J	mg/L	0.010	03/18/21 00:28	
SM 2450C-2011	Total Dissolved Solids	243	mg/L	10.0	03/13/21 15:47	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	03/17/21 03:45	
EPA 300.0 Rev 2.1 1993	Fluoride	0.058J	mg/L	0.10	03/17/21 03:45	
EPA 300.0 Rev 2.1 1993	Sulfate	41.6	mg/L	1.0	03/17/21 03:45	
<b>92526337014</b>	<b>GWC-22</b>					
	Performed by	CUSTOMER			03/22/21 11:50	
	pH	7.52	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	48.7	mg/L	1.0	03/19/21 02:26	
EPA 6020B	Barium	0.089	mg/L	0.0050	03/18/21 00:33	
EPA 6020B	Boron	0.065	mg/L	0.040	03/18/21 00:33	
EPA 6020B	Lead	0.000038J	mg/L	0.0010	03/18/21 00:33	
SM 2450C-2011	Total Dissolved Solids	178	mg/L	10.0	03/13/21 15:47	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	03/17/21 04:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.067J	mg/L	0.10	03/17/21 04:00	
EPA 300.0 Rev 2.1 1993	Sulfate	6.4	mg/L	1.0	03/17/21 04:00	
<b>92526337015</b>	<b>GWC-23</b>					
	Performed by	CUSTOMER			03/22/21 11:50	
	pH	6.81	Std. Units		03/22/21 11:50	
EPA 6010D	Calcium	54.3	mg/L	1.0	03/19/21 02:31	
EPA 6020B	Barium	0.085	mg/L	0.0050	03/18/21 00:39	
EPA 6020B	Boron	0.044	mg/L	0.040	03/18/21 00:39	
EPA 6020B	Lead	0.00011J	mg/L	0.0010	03/18/21 00:39	
SM 2450C-2011	Total Dissolved Solids	216	mg/L	10.0	03/13/21 15:57	
EPA 300.0 Rev 2.1 1993	Chloride	0.85J	mg/L	1.0	03/17/21 04:15	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92526337015</b>	<b>GWC-23</b>					
EPA 300.0 Rev 2.1 1993	Fluoride	0.069J	mg/L	0.10	03/17/21 04:15	
EPA 300.0 Rev 2.1 1993	Sulfate	10.2	mg/L	1.0	03/17/21 04:15	
<b>92526337016</b>	<b>DUP-5</b>					
EPA 6010D	Calcium	67.5	mg/L	1.0	03/19/21 02:41	
EPA 6020B	Barium	0.16	mg/L	0.0050	03/18/21 01:02	
EPA 6020B	Boron	0.037J	mg/L	0.040	03/18/21 01:02	
SM 2450C-2011	Total Dissolved Solids	329	mg/L	10.0	03/13/21 15:57	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	03/17/21 04:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.059J	mg/L	0.10	03/17/21 04:30	
EPA 300.0 Rev 2.1 1993	Sulfate	106	mg/L	2.0	03/17/21 11:14	
<b>92527273001</b>	<b>GWC-19</b>					
	Performed by	CUSTOME			03/22/21 11:51	
		R				
	pH	7.49	Std. Units		03/22/21 11:51	
EPA 6010D	Calcium	47.4	mg/L	1.0	03/20/21 01:57	
EPA 6020B	Barium	0.15	mg/L	0.0050	03/18/21 20:36	
EPA 6020B	Boron	0.16	mg/L	0.040	03/18/21 20:36	
SM 2450C-2011	Total Dissolved Solids	223	mg/L	10.0	03/15/21 13:15	D6
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	03/17/21 22:42	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	03/17/21 22:42	
EPA 300.0 Rev 2.1 1993	Sulfate	18.7	mg/L	1.0	03/17/21 22:42	
<b>92527273002</b>	<b>GWC-20</b>					
	Performed by	CUSTOME			03/22/21 11:51	
		R				
	pH	7.41	Std. Units		03/22/21 11:51	
EPA 6010D	Calcium	64.9	mg/L	1.0	03/20/21 02:11	
EPA 6020B	Barium	0.13	mg/L	0.0050	03/18/21 20:42	
EPA 6020B	Boron	0.018J	mg/L	0.040	03/18/21 20:42	
SM 2450C-2011	Total Dissolved Solids	241	mg/L	10.0	03/15/21 13:16	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	03/17/21 23:24	
EPA 300.0 Rev 2.1 1993	Fluoride	0.068J	mg/L	0.10	03/17/21 23:24	
EPA 300.0 Rev 2.1 1993	Sulfate	64.7	mg/L	1.0	03/17/21 23:24	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: GWA-1</b>									
<b>Lab ID: 92526337001</b>									
Collected: 03/08/21 16:55 Received: 03/09/21 10:15 Matrix: Water									
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>6.86</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>16.2</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 00:59	7440-70-2	M1
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/17/21 22:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/17/21 22:50	7440-38-2	
Barium	<b>0.035</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/17/21 22:50	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/17/21 22:50	7440-41-7	
Boron	<b>0.021J</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/17/21 22:50	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 18:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/17/21 22:50	7440-47-3	
Cobalt	<b>0.00050J</b>	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/17/21 22:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/17/21 22:50	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/17/21 22:50	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/17/21 22:50	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/17/21 22:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/17/21 22:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/17/21 22:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 22:50	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 22:50	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>96.0</b>	mg/L	10.0	10.0	1		03/10/21 17:22		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>1.1</b>	mg/L	1.0	0.60	1		03/16/21 10:36	16887-00-6	
Fluoride	<b>0.094J</b>	mg/L	0.10	0.050	1		03/16/21 10:36	16984-48-8	
Sulfate	<b>4.6</b>	mg/L	1.0	0.50	1		03/16/21 10:36	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: GWA-3      Lab ID: 92526337002      Collected: 03/08/21 15:43      Received: 03/09/21 10:15      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>6.95</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>73.5</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 01:19	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/17/21 22:56	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/17/21 22:56	7440-38-2	
Barium	<b>0.12</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/17/21 22:56	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/17/21 22:56	7440-41-7	
Boron	<b>0.13</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/17/21 22:56	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 18:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/17/21 22:56	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/17/21 22:56	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/17/21 22:56	7440-50-8	
Lead	<b>0.000040J</b>	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/17/21 22:56	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/17/21 22:56	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/17/21 22:56	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/17/21 22:56	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/17/21 22:56	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 22:56	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 22:56	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>415</b>	mg/L	10.0	10.0	1		03/10/21 17:22		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.8</b>	mg/L	1.0	0.60	1		03/16/21 10:50	16887-00-6	
Fluoride	<b>0.13</b>	mg/L	0.10	0.050	1		03/16/21 10:50	16984-48-8	
Sulfate	<b>99.5</b>	mg/L	1.0	0.50	1		03/16/21 10:50	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: GWA-4		Lab ID: 92526337003		Collected: 03/08/21 14:27		Received: 03/09/21 10:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>6.84</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>87.2</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 01:24	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.0016J</b>	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/17/21 23:19	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/17/21 23:19	7440-38-2	
Barium	<b>0.052</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/17/21 23:19	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/17/21 23:19	7440-41-7	
Boron	<b>0.089</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/17/21 23:19	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 18:49	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/17/21 23:19	7440-47-3	
Cobalt	<b>0.00061J</b>	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/17/21 23:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/17/21 23:19	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/17/21 23:19	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/17/21 23:19	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/17/21 23:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/17/21 23:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/17/21 23:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:19	7440-62-2	
Zinc	<b>0.0034J</b>	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:19	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>460</b>	mg/L	10.0	10.0	1		03/10/21 17:22		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>5.6</b>	mg/L	1.0	0.60	1		03/16/21 11:03	16887-00-6	
Fluoride	<b>0.10</b>	mg/L	0.10	0.050	1		03/16/21 11:03	16984-48-8	
Sulfate	<b>152</b>	mg/L	3.0	1.5	3		03/16/21 17:04	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: GWA-11		Lab ID: 92526337004		Collected: 03/08/21 15:53		Received: 03/09/21 10:15		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>6.78</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>22.0</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 01:29	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.00050J</b>	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/17/21 23:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/17/21 23:25	7440-38-2	
Barium	<b>0.031</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/17/21 23:25	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/17/21 23:25	7440-41-7	
Boron	<b>0.042</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/17/21 23:25	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 18:55	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/17/21 23:25	7440-47-3	
Cobalt	<b>0.00049J</b>	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/17/21 23:25	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/17/21 23:25	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/17/21 23:25	7439-92-1	
Nickel	<b>0.0010J</b>	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/17/21 23:25	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/17/21 23:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/17/21 23:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/17/21 23:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:25	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:25	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>107</b>	mg/L	10.0	10.0	1		03/10/21 17:22		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.3</b>	mg/L	1.0	0.60	1		03/16/21 11:17	16887-00-6	
Fluoride	<b>0.11</b>	mg/L	0.10	0.050	1		03/16/21 11:17	16984-48-8	
Sulfate	<b>11.5</b>	mg/L	1.0	0.50	1		03/16/21 11:17	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: GWA-2      Lab ID: 92526337005      Collected: 03/09/21 09:22      Received: 03/10/21 12:25      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>6.93</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>48.7</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 01:34	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/17/21 23:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/17/21 23:30	7440-38-2	
Barium	<b>0.17</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/17/21 23:30	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/17/21 23:30	7440-41-7	
Boron	<b>0.081</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/17/21 23:30	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 19:01	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/17/21 23:30	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/17/21 23:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/17/21 23:30	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/17/21 23:30	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/17/21 23:30	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/17/21 23:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/17/21 23:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/17/21 23:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:30	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:30	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>227</b>	mg/L	10.0	10.0	1		03/13/21 15:45		D6
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.1</b>	mg/L	1.0	0.60	1		03/16/21 23:16	16887-00-6	
Fluoride	<b>0.099J</b>	mg/L	0.10	0.050	1		03/16/21 23:16	16984-48-8	
Sulfate	<b>16.8</b>	mg/L	1.0	0.50	1		03/16/21 23:16	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: GWC-5		Lab ID: 92526337006		Collected: 03/09/21 12:10		Received: 03/10/21 12:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>6.93</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>85.4</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 01:38	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/17/21 23:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/17/21 23:47	7440-38-2	
Barium	<b>0.063</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/17/21 23:47	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/17/21 23:47	7440-41-7	
Boron	<b>0.046</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/17/21 23:47	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 19:07	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/17/21 23:47	7440-47-3	
Cobalt	<b>0.00043J</b>	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/17/21 23:47	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/17/21 23:47	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/17/21 23:47	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/17/21 23:47	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/17/21 23:47	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/17/21 23:47	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/17/21 23:47	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:47	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:47	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>364</b>	mg/L	10.0	10.0	1		03/13/21 15:45		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.0</b>	mg/L	1.0	0.60	1		03/17/21 00:01	16887-00-6	
Fluoride	<b>0.050J</b>	mg/L	0.10	0.050	1		03/17/21 00:01	16984-48-8	
Sulfate	<b>86.9</b>	mg/L	1.0	0.50	1		03/17/21 00:01	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: <b>GWC-6</b>		Lab ID: <b>92526337007</b>		Collected: 03/09/21 14:15		Received: 03/10/21 12:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>7.09</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>70.8</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 01:43	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/17/21 23:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/17/21 23:53	7440-38-2	
Barium	<b>0.17</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/17/21 23:53	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/17/21 23:53	7440-41-7	
Boron	<b>0.038J</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/17/21 23:53	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 19:24	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/17/21 23:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/17/21 23:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/17/21 23:53	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/17/21 23:53	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/17/21 23:53	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/17/21 23:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/17/21 23:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/17/21 23:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:53	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:53	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>298</b>	mg/L	10.0	10.0	1		03/13/21 15:46		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.5</b>	mg/L	1.0	0.60	1		03/17/21 00:16	16887-00-6	
Fluoride	<b>0.060J</b>	mg/L	0.10	0.050	1		03/17/21 00:16	16984-48-8	
Sulfate	<b>105</b>	mg/L	2.0	1.0	2		03/17/21 10:29	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: <b>GWC-7</b>	Lab ID: <b>92526337008</b>	Collected: 03/09/21 16:05	Received: 03/10/21 12:25	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>6.59</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>64.3</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 01:57	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/17/21 23:59	7440-36-0	
Arsenic	<b>0.0052</b>	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/17/21 23:59	7440-38-2	
Barium	<b>0.31</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/17/21 23:59	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/17/21 23:59	7440-41-7	
Boron	<b>0.041</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/17/21 23:59	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 19:29	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/17/21 23:59	7440-47-3	
Cobalt	<b>0.0093</b>	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/17/21 23:59	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/17/21 23:59	7440-50-8	
Lead	<b>0.00085J</b>	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/17/21 23:59	7439-92-1	
Nickel	<b>0.035</b>	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/17/21 23:59	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/17/21 23:59	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/17/21 23:59	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/17/21 23:59	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:59	7440-62-2	
Zinc	<b>0.057</b>	mg/L	0.010	0.0022	1	03/17/21 13:06	03/17/21 23:59	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>299</b>	mg/L	10.0	10.0	1		03/13/21 15:46		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.5</b>	mg/L	1.0	0.60	1		03/17/21 00:31	16887-00-6	
Fluoride	<b>0.17</b>	mg/L	0.10	0.050	1		03/17/21 00:31	16984-48-8	
Sulfate	<b>87.4</b>	mg/L	1.0	0.50	1		03/17/21 00:31	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: <b>GWC-8</b> Lab ID: <b>92526337009</b> Collected: 03/09/21 11:52      Received: 03/10/21 12:25      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>7.06</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>83.2</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 02:02	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/18/21 00:05	7440-36-0	
Arsenic	<b>0.0018J</b>	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/18/21 00:05	7440-38-2	
Barium	<b>0.14</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/18/21 00:05	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/18/21 00:05	7440-41-7	
Boron	<b>0.050</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/18/21 00:05	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 19:35	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/18/21 00:05	7440-47-3	
Cobalt	<b>0.0013J</b>	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/18/21 00:05	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/18/21 00:05	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/18/21 00:05	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/18/21 00:05	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/18/21 00:05	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/18/21 00:05	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/18/21 00:05	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:05	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:05	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>308</b>	mg/L	10.0	10.0	1		03/13/21 15:46		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.2</b>	mg/L	1.0	0.60	1		03/17/21 00:46	16887-00-6	
Fluoride	<b>0.12</b>	mg/L	0.10	0.050	1		03/17/21 00:46	16984-48-8	
Sulfate	<b>33.1</b>	mg/L	1.0	0.50	1		03/17/21 00:46	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: GWC-9		Lab ID: 92526337010		Collected: 03/09/21 09:47		Received: 03/10/21 12:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>6.92</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>36.8</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 02:07	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/18/21 00:10	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/18/21 00:10	7440-38-2	
Barium	<b>0.059</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/18/21 00:10	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/18/21 00:10	7440-41-7	
Boron	<b>0.014J</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/18/21 00:10	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 19:41	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/18/21 00:10	7440-47-3	
Cobalt	<b>0.00042J</b>	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/18/21 00:10	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/18/21 00:10	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/18/21 00:10	7439-92-1	
Nickel	<b>0.0014J</b>	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/18/21 00:10	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/18/21 00:10	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/18/21 00:10	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/18/21 00:10	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:10	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:10	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>209</b>	mg/L	10.0	10.0	1		03/13/21 15:46		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>0.74J</b>	mg/L	1.0	0.60	1		03/17/21 02:01	16887-00-6	
Fluoride	<b>0.080J</b>	mg/L	0.10	0.050	1		03/17/21 02:01	16984-48-8	
Sulfate	<b>65.1</b>	mg/L	1.0	0.50	1		03/17/21 02:01	14808-79-8	M1

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: GWC-10		Lab ID: 92526337011		Collected: 03/09/21 12:23		Received: 03/10/21 12:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>7.43</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>48.7</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 02:12	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/18/21 00:16	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/18/21 00:16	7440-38-2	
Barium	<b>0.15</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/18/21 00:16	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/18/21 00:16	7440-41-7	
Boron	<b>0.037J</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/18/21 00:16	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 19:47	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/18/21 00:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/18/21 00:16	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/18/21 00:16	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/18/21 00:16	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/18/21 00:16	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/18/21 00:16	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/18/21 00:16	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/18/21 00:16	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:16	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:16	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>201</b>	mg/L	10.0	10.0	1		03/13/21 15:47		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.1</b>	mg/L	1.0	0.60	1		03/17/21 03:15	16887-00-6	
Fluoride	<b>0.078J</b>	mg/L	0.10	0.050	1		03/17/21 03:15	16984-48-8	
Sulfate	<b>14.2</b>	mg/L	1.0	0.50	1		03/17/21 03:15	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: <b>GWC-18</b> Lab ID: <b>92526337012</b> Collected: 03/09/21 13:32      Received: 03/10/21 12:25      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>7.66</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>44.9</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 02:17	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/18/21 00:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/18/21 00:22	7440-38-2	
Barium	<b>0.077</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/18/21 00:22	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/18/21 00:22	7440-41-7	
Boron	<b>0.13</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/18/21 00:22	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 19:52	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/18/21 00:22	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/18/21 00:22	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/18/21 00:22	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/18/21 00:22	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/18/21 00:22	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/18/21 00:22	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/18/21 00:22	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/18/21 00:22	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:22	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:22	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>192</b>	mg/L	10.0	10.0	1		03/13/21 15:47		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>0.97J</b>	mg/L	1.0	0.60	1		03/17/21 03:30	16887-00-6	
Fluoride	<b>0.11</b>	mg/L	0.10	0.050	1		03/17/21 03:30	16984-48-8	
Sulfate	<b>7.9</b>	mg/L	1.0	0.50	1		03/17/21 03:30	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

Sample: <b>GWC-21</b>		Lab ID: <b>92526337013</b>		Collected: 03/09/21 15:07		Received: 03/10/21 12:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>7.04</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>67.8</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 02:22	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/18/21 00:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/18/21 00:28	7440-38-2	
Barium	<b>0.12</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/18/21 00:28	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/18/21 00:28	7440-41-7	
Boron	<b>0.030J</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/18/21 00:28	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 19:58	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/18/21 00:28	7440-47-3	
Cobalt	<b>0.00049J</b>	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/18/21 00:28	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/18/21 00:28	7440-50-8	
Lead	<b>0.00013J</b>	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/18/21 00:28	7439-92-1	
Nickel	<b>0.0013J</b>	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/18/21 00:28	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/18/21 00:28	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/18/21 00:28	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/18/21 00:28	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:28	7440-62-2	
Zinc	<b>0.0033J</b>	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:28	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>243</b>	mg/L	10.0	10.0	1		03/13/21 15:47		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.8</b>	mg/L	1.0	0.60	1		03/17/21 03:45	16887-00-6	
Fluoride	<b>0.058J</b>	mg/L	0.10	0.050	1		03/17/21 03:45	16984-48-8	
Sulfate	<b>41.6</b>	mg/L	1.0	0.50	1		03/17/21 03:45	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

Sample: <b>GWC-22</b>		Lab ID: <b>92526337014</b>		Collected: 03/09/21 13:54		Received: 03/10/21 12:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>7.52</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>48.7</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 02:26	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/18/21 00:33	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/18/21 00:33	7440-38-2	
Barium	<b>0.089</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/18/21 00:33	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/18/21 00:33	7440-41-7	
Boron	<b>0.065</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/18/21 00:33	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 20:04	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/18/21 00:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/18/21 00:33	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/18/21 00:33	7440-50-8	
Lead	<b>0.000038J</b>	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/18/21 00:33	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/18/21 00:33	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/18/21 00:33	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/18/21 00:33	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/18/21 00:33	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:33	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:33	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>178</b>	mg/L	10.0	10.0	1		03/13/21 15:47		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>1.0</b>	mg/L	1.0	0.60	1		03/17/21 04:00	16887-00-6	
Fluoride	<b>0.067J</b>	mg/L	0.10	0.050	1		03/17/21 04:00	16984-48-8	
Sulfate	<b>6.4</b>	mg/L	1.0	0.50	1		03/17/21 04:00	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: <b>GWC-23</b> Lab ID: <b>92526337015</b> Collected: 03/09/21 16:03 Received: 03/10/21 12:25 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:50		
pH	<b>6.81</b>	Std. Units			1		03/22/21 11:50		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>54.3</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 02:31	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/18/21 00:39	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/18/21 00:39	7440-38-2	
Barium	<b>0.085</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/18/21 00:39	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/18/21 00:39	7440-41-7	
Boron	<b>0.044</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/18/21 00:39	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 20:10	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/18/21 00:39	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/18/21 00:39	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/18/21 00:39	7440-50-8	
Lead	<b>0.00011J</b>	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/18/21 00:39	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/18/21 00:39	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/18/21 00:39	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/18/21 00:39	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/18/21 00:39	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:39	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 00:39	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>216</b>	mg/L	10.0	10.0	1		03/13/21 15:57		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>0.85J</b>	mg/L	1.0	0.60	1		03/17/21 04:15	16887-00-6	
Fluoride	<b>0.069J</b>	mg/L	0.10	0.050	1		03/17/21 04:15	16984-48-8	
Sulfate	<b>10.2</b>	mg/L	1.0	0.50	1		03/17/21 04:15	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: DUP-5		Lab ID: 92526337016		Collected: 03/09/21 00:00	Received: 03/10/21 12:25	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	<b>67.5</b>	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 02:41	7440-70-2	
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/18/21 01:02	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/18/21 01:02	7440-38-2	
Barium	<b>0.16</b>	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/18/21 01:02	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/18/21 01:02	7440-41-7	
Boron	<b>0.037J</b>	mg/L	0.040	0.0052	1	03/17/21 13:06	03/18/21 01:02	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 20:15	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/18/21 01:02	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/18/21 01:02	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/18/21 01:02	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/18/21 01:02	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/18/21 01:02	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/18/21 20:15	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/18/21 01:02	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/18/21 01:02	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 01:02	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 01:02	7440-66-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	<b>329</b>	mg/L	10.0	10.0	1		03/13/21 15:57		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	<b>1.5</b>	mg/L	1.0	0.60	1		03/17/21 04:30	16887-00-6	
Fluoride	<b>0.059J</b>	mg/L	0.10	0.050	1		03/17/21 04:30	16984-48-8	
Sulfate	<b>106</b>	mg/L	2.0	1.0	2		03/17/21 11:14	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: EB-4		Lab ID: 92526337017		Collected: 03/09/21 16:00	Received: 03/10/21 12:25	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D ATL ICP</b>		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA							
Calcium	ND	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 03:00	7440-70-2	
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA							
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/18/21 01:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/18/21 01:08	7440-38-2	
Barium	ND	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/18/21 01:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/18/21 01:08	7440-41-7	
Boron	ND	mg/L	0.040	0.0052	1	03/17/21 13:06	03/18/21 01:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 20:32	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/18/21 01:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/18/21 01:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/18/21 01:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/18/21 01:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/18/21 01:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/18/21 20:32	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/18/21 01:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/18/21 01:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 01:08	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 01:08	7440-66-6	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA							
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/13/21 15:58		
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville							
Chloride	ND	mg/L	1.0	0.60	1		03/17/21 04:45	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		03/17/21 04:45	16984-48-8	
Sulfate	ND	mg/L	1.0	0.50	1		03/17/21 04:45	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: FB-5		Lab ID: 92526337018		Collected: 03/09/21 16:10	Received: 03/10/21 12:25	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
<b>6010D ATL ICP</b>		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.070	1	03/17/21 11:59	03/19/21 03:05	7440-70-2		
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00028	1	03/17/21 13:06	03/18/21 01:13	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	03/17/21 13:06	03/18/21 01:13	7440-38-2		
Barium	ND	mg/L	0.0050	0.00071	1	03/17/21 13:06	03/18/21 01:13	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000046	1	03/17/21 13:06	03/18/21 01:13	7440-41-7		
Boron	ND	mg/L	0.040	0.0052	1	03/17/21 13:06	03/18/21 01:13	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00012	1	03/17/21 13:06	03/18/21 20:38	7440-43-9		
Chromium	ND	mg/L	0.0050	0.00055	1	03/17/21 13:06	03/18/21 01:13	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	03/17/21 13:06	03/18/21 01:13	7440-48-4		
Copper	ND	mg/L	0.0050	0.0017	1	03/17/21 13:06	03/18/21 01:13	7440-50-8		
Lead	ND	mg/L	0.0010	0.000036	1	03/17/21 13:06	03/18/21 01:13	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00069	1	03/17/21 13:06	03/18/21 01:13	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0016	1	03/17/21 13:06	03/18/21 20:38	7782-49-2		
Silver	ND	mg/L	0.0050	0.00036	1	03/17/21 13:06	03/18/21 01:13	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	03/17/21 13:06	03/18/21 01:13	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 01:13	7440-62-2		
Zinc	ND	mg/L	0.010	0.0022	1	03/17/21 13:06	03/18/21 01:13	7440-66-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		03/13/21 15:58			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		03/17/21 05:00	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		03/17/21 05:00	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		03/17/21 05:00	14808-79-8		

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: <b>GWC-19</b> Lab ID: <b>92527273001</b> Collected: 03/10/21 14:03 Received: 03/11/21 15:55 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:51		
pH	<b>7.49</b>	Std. Units			1		03/22/21 11:51		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>47.4</b>	mg/L	1.0	0.070	1	03/18/21 12:20	03/20/21 01:57	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/18/21 12:57	03/18/21 20:36	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/18/21 12:57	03/18/21 20:36	7440-38-2	
Barium	<b>0.15</b>	mg/L	0.0050	0.00071	1	03/18/21 12:57	03/18/21 20:36	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/18/21 12:57	03/18/21 20:36	7440-41-7	
Boron	<b>0.16</b>	mg/L	0.040	0.0052	1	03/18/21 12:57	03/18/21 20:36	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/18/21 12:57	03/18/21 20:36	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/18/21 12:57	03/18/21 20:36	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/18/21 12:57	03/18/21 20:36	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/18/21 12:57	03/18/21 20:36	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/18/21 12:57	03/18/21 20:36	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/18/21 12:57	03/18/21 20:36	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/18/21 12:57	03/18/21 20:36	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/18/21 12:57	03/18/21 20:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/18/21 12:57	03/18/21 20:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/18/21 12:57	03/18/21 20:36	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/18/21 12:57	03/18/21 20:36	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>223</b>	mg/L	10.0	10.0	1		03/15/21 13:15		D6
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.3</b>	mg/L	1.0	0.60	1		03/17/21 22:42	16887-00-6	
Fluoride	<b>0.11</b>	mg/L	0.10	0.050	1		03/17/21 22:42	16984-48-8	
Sulfate	<b>18.7</b>	mg/L	1.0	0.50	1		03/17/21 22:42	14808-79-8	

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### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Sample: <b>GWC-20</b> Lab ID: <b>92527273002</b> Collected: 03/10/21 16:06 Received: 03/11/21 15:55 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		03/22/21 11:51		
pH	<b>7.41</b>	Std. Units			1		03/22/21 11:51		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>64.9</b>	mg/L	1.0	0.070	1	03/18/21 12:20	03/20/21 02:11	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00028	1	03/18/21 12:57	03/18/21 20:42	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	03/18/21 12:57	03/18/21 20:42	7440-38-2	
Barium	<b>0.13</b>	mg/L	0.0050	0.00071	1	03/18/21 12:57	03/18/21 20:42	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000046	1	03/18/21 12:57	03/18/21 20:42	7440-41-7	
Boron	<b>0.018J</b>	mg/L	0.040	0.0052	1	03/18/21 12:57	03/18/21 20:42	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00012	1	03/18/21 12:57	03/18/21 20:42	7440-43-9	
Chromium	ND	mg/L	0.0050	0.00055	1	03/18/21 12:57	03/18/21 20:42	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	03/18/21 12:57	03/18/21 20:42	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	03/18/21 12:57	03/18/21 20:42	7440-50-8	
Lead	ND	mg/L	0.0010	0.000036	1	03/18/21 12:57	03/18/21 20:42	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	03/18/21 12:57	03/18/21 20:42	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0016	1	03/18/21 12:57	03/18/21 20:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	03/18/21 12:57	03/18/21 20:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	03/18/21 12:57	03/18/21 20:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	03/18/21 12:57	03/18/21 20:42	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	03/18/21 12:57	03/18/21 20:42	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>241</b>	mg/L	10.0	10.0	1		03/15/21 13:16		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.2</b>	mg/L	1.0	0.60	1		03/17/21 23:24	16887-00-6	
Fluoride	<b>0.068J</b>	mg/L	0.10	0.050	1		03/17/21 23:24	16984-48-8	
Sulfate	<b>64.7</b>	mg/L	1.0	0.50	1		03/17/21 23:24	14808-79-8	

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

QC Batch:	607239	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92526337001, 92526337002, 92526337003, 92526337004, 92526337005, 92526337006, 92526337007, 92526337008, 92526337009, 92526337010, 92526337011, 92526337012, 92526337013, 92526337014, 92526337015, 92526337016, 92526337017, 92526337018

METHOD BLANK: 3199018 Matrix: Water  
Associated Lab Samples: 92526337001, 92526337002, 92526337003, 92526337004, 92526337005, 92526337006, 92526337007, 92526337008, 92526337009, 92526337010, 92526337011, 92526337012, 92526337013, 92526337014, 92526337015, 92526337016, 92526337017, 92526337018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	03/19/21 00:35	

LABORATORY CONTROL SAMPLE: 3199020

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3199021 3199022

Parameter	Units	92526337001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	16.2	1	1	16.8	16.7	62	51	75-125	1	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

QC Batch: 607584	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92527273001, 92527273002

METHOD BLANK: 3200680 Matrix: Water

Associated Lab Samples: 92527273001, 92527273002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	03/20/21 00:30	

LABORATORY CONTROL SAMPLE: 3200681

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	105	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3200682 3200683

Parameter	Units	3200682		3200683		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	35.7	1	39.0	38.7	328	296	75-125	1	20	M1

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

QC Batch: 607261 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92526337001, 92526337002, 92526337003, 92526337004, 92526337005, 92526337006, 92526337007, 92526337008, 92526337009, 92526337010, 92526337011, 92526337012, 92526337013, 92526337014, 92526337015, 92526337016, 92526337017, 92526337018

METHOD BLANK: 3199110 Matrix: Water  
Associated Lab Samples: 92526337001, 92526337002, 92526337003, 92526337004, 92526337005, 92526337006, 92526337007, 92526337008, 92526337009, 92526337010, 92526337011, 92526337012, 92526337013, 92526337014, 92526337015, 92526337016, 92526337017, 92526337018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	03/17/21 22:39	
Arsenic	mg/L	ND	0.0050	0.00078	03/17/21 22:39	
Barium	mg/L	ND	0.0050	0.00071	03/17/21 22:39	
Beryllium	mg/L	ND	0.00050	0.000046	03/17/21 22:39	
Boron	mg/L	ND	0.040	0.0052	03/17/21 22:39	
Cadmium	mg/L	ND	0.00050	0.00012	03/18/21 18:15	
Chromium	mg/L	ND	0.0050	0.00055	03/17/21 22:39	
Cobalt	mg/L	ND	0.0050	0.00038	03/17/21 22:39	
Copper	mg/L	ND	0.0050	0.0017	03/17/21 22:39	
Lead	mg/L	ND	0.0010	0.000036	03/17/21 22:39	
Nickel	mg/L	ND	0.0050	0.00069	03/17/21 22:39	
Selenium	mg/L	ND	0.0050	0.0016	03/17/21 22:39	
Silver	mg/L	ND	0.0050	0.00036	03/17/21 22:39	
Thallium	mg/L	ND	0.0010	0.00014	03/17/21 22:39	
Vanadium	mg/L	ND	0.010	0.0022	03/17/21 22:39	
Zinc	mg/L	ND	0.010	0.0022	03/17/21 22:39	

LABORATORY CONTROL SAMPLE: 3199111

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.098	98	80-120	
Arsenic	mg/L	0.1	0.092	92	80-120	
Barium	mg/L	0.1	0.094	94	80-120	
Beryllium	mg/L	0.1	0.092	92	80-120	
Boron	mg/L	1	0.90	90	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.091	91	80-120	
Cobalt	mg/L	0.1	0.092	92	80-120	
Copper	mg/L	0.1	0.094	94	80-120	
Lead	mg/L	0.1	0.096	96	80-120	
Nickel	mg/L	0.1	0.092	92	80-120	
Selenium	mg/L	0.1	0.091	91	80-120	
Silver	mg/L	0.1	0.094	94	80-120	
Thallium	mg/L	0.1	0.095	95	80-120	
Vanadium	mg/L	0.1	0.094	94	80-120	

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

LABORATORY CONTROL SAMPLE: 3199111

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	mg/L	0.1	0.090	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3199112 3199113

Parameter	Units	MS		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		92526337002 Result	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	101	101	75-125	0	20		
Arsenic	mg/L	ND	0.1	0.1	0.097	0.098	96	97	75-125	1	20		
Barium	mg/L	0.12	0.1	0.1	0.22	0.22	98	100	75-125	1	20		
Beryllium	mg/L	ND	0.1	0.1	0.091	0.089	91	89	75-125	1	20		
Boron	mg/L	0.13	1	1	1.0	1.0	91	89	75-125	1	20		
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	102	100	75-125	2	20		
Chromium	mg/L	ND	0.1	0.1	0.098	0.094	98	94	75-125	4	20		
Cobalt	mg/L	ND	0.1	0.1	0.098	0.094	97	94	75-125	4	20		
Copper	mg/L	ND	0.1	0.1	0.097	0.093	97	93	75-125	5	20		
Lead	mg/L	0.000040J	0.1	0.1	0.091	0.094	91	94	75-125	3	20		
Nickel	mg/L	ND	0.1	0.1	0.097	0.093	97	93	75-125	4	20		
Selenium	mg/L	ND	0.1	0.1	0.091	0.091	90	91	75-125	1	20		
Silver	mg/L	ND	0.1	0.1	0.094	0.092	94	92	75-125	2	20		
Thallium	mg/L	ND	0.1	0.1	0.092	0.096	92	96	75-125	5	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.096	100	96	75-125	4	20		
Zinc	mg/L	ND	0.1	0.1	0.092	0.090	91	89	75-125	2	20		

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

QC Batch: 607620 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92527273001, 92527273002

METHOD BLANK: 3200852 Matrix: Water

Associated Lab Samples: 92527273001, 92527273002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	03/18/21 19:10	
Arsenic	mg/L	ND	0.0050	0.00078	03/18/21 19:10	
Barium	mg/L	ND	0.0050	0.00071	03/18/21 19:10	
Beryllium	mg/L	ND	0.00050	0.000046	03/18/21 19:10	
Boron	mg/L	ND	0.040	0.0052	03/18/21 19:10	
Cadmium	mg/L	ND	0.00050	0.00012	03/18/21 19:10	
Chromium	mg/L	ND	0.0050	0.00055	03/18/21 19:10	
Cobalt	mg/L	ND	0.0050	0.00038	03/18/21 19:10	
Copper	mg/L	ND	0.0050	0.0017	03/18/21 19:10	
Lead	mg/L	ND	0.0010	0.000036	03/18/21 19:10	
Nickel	mg/L	ND	0.0050	0.00069	03/18/21 19:10	
Selenium	mg/L	ND	0.0050	0.0016	03/18/21 19:10	
Silver	mg/L	ND	0.0050	0.00036	03/18/21 19:10	
Thallium	mg/L	ND	0.0010	0.00014	03/18/21 19:10	
Vanadium	mg/L	ND	0.010	0.0022	03/18/21 19:10	
Zinc	mg/L	ND	0.010	0.0022	03/18/21 19:10	

LABORATORY CONTROL SAMPLE: 3200853

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	108	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.097	97	80-120	
Beryllium	mg/L	0.1	0.098	98	80-120	
Boron	mg/L	1	0.97	97	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.097	97	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Copper	mg/L	0.1	0.096	96	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.096	96	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Silver	mg/L	0.1	0.096	96	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.097	97	80-120	
Zinc	mg/L	0.1	0.096	96	80-120	

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Parameter	Units	92524632021		3200854		3200855		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	ND	0.1	0.1	0.11	0.11	109	112	75-125	2	20			
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20			
Barium	mg/L	0.028	0.1	0.1	0.13	0.13	100	101	75-125	1	20			
Beryllium	mg/L	ND	0.1	0.1	0.098	0.10	98	103	75-125	5	20			
Boron	mg/L	0.0098J	1	1	1.0	1.1	99	104	75-125	5	20			
Cadmium	mg/L	ND	0.1	0.1	0.10	0.11	103	106	75-125	3	20			
Chromium	mg/L	0.00090J	0.1	0.1	0.10	0.11	103	107	75-125	3	20			
Cobalt	mg/L	ND	0.1	0.1	0.10	0.11	102	107	75-125	5	20			
Copper	mg/L	ND	0.1	0.1	0.10	0.11	101	106	75-125	5	20			
Lead	mg/L	ND	0.1	0.1	0.099	0.10	99	100	75-125	1	20			
Nickel	mg/L	ND	0.1	0.1	0.10	0.11	101	106	75-125	5	20			
Selenium	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	2	20			
Silver	mg/L	ND	0.1	0.1	0.097	0.099	97	99	75-125	2	20			
Thallium	mg/L	ND	0.1	0.1	0.096	0.099	96	99	75-125	3	20			
Vanadium	mg/L	ND	0.1	0.1	0.11	0.11	105	109	75-125	3	20			
Zinc	mg/L	ND	0.1	0.1	0.098	0.11	97	105	75-125	8	20			

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

QC Batch:	605516	Analysis Method:	SM 2450C-2011
QC Batch Method:	SM 2450C-2011	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92526337001, 92526337002, 92526337003, 92526337004

METHOD BLANK: 3189891 Matrix: Water  
Associated Lab Samples: 92526337001, 92526337002, 92526337003, 92526337004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	03/10/21 17:21	

LABORATORY CONTROL SAMPLE: 3189892

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	370	92	90-111	

SAMPLE DUPLICATE: 3189893

Parameter	Units	92524831026 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	798	800	0	10	

SAMPLE DUPLICATE: 3189894

Parameter	Units	92526337002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	415	425	2	10	

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

QC Batch: 606468 Analysis Method: SM 2450C-2011  
QC Batch Method: SM 2450C-2011 Analysis Description: 2540C Total Dissolved Solids  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92526337005, 92526337006, 92526337007, 92526337008, 92526337009, 92526337010, 92526337011, 92526337012, 92526337013, 92526337014

METHOD BLANK: 3195225 Matrix: Water  
Associated Lab Samples: 92526337005, 92526337006, 92526337007, 92526337008, 92526337009, 92526337010, 92526337011, 92526337012, 92526337013, 92526337014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	03/13/21 15:41	

LABORATORY CONTROL SAMPLE: 3195226

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	368	92	90-111	

SAMPLE DUPLICATE: 3195227

Parameter	Units	92526574001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	78.0	60.0	26	10	D6

SAMPLE DUPLICATE: 3195228

Parameter	Units	92526337005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	227	203	11	10	D6

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

QC Batch: 606469	Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92526337015, 92526337016, 92526337017, 92526337018

METHOD BLANK: 3195229 Matrix: Water  
Associated Lab Samples: 92526337015, 92526337016, 92526337017, 92526337018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	03/13/21 15:56	

LABORATORY CONTROL SAMPLE: 3195230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	369	92	90-111	

SAMPLE DUPLICATE: 3195231

Parameter	Units	92526337015 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	216	203	6	10	

SAMPLE DUPLICATE: 3195232

Parameter	Units	92524632027 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	158	141	11	10	D6

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

QC Batch: 606587	Analysis Method: SM 2450C-2011
QC Batch Method: SM 2450C-2011	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92527273001, 92527273002

METHOD BLANK: 3195825 Matrix: Water

Associated Lab Samples: 92527273001, 92527273002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	03/15/21 13:13	

LABORATORY CONTROL SAMPLE: 3195826

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	362	90	90-111	

SAMPLE DUPLICATE: 3195827

Parameter	Units	92527234005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	2120	2390	12	10	D6

SAMPLE DUPLICATE: 3195998

Parameter	Units	92527273001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	223	190	16	10	D6

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

QC Batch: 606641 Analysis Method: EPA 300.0 Rev 2.1 1993  
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions  
Laboratory: Pace Analytical Services - Asheville  
Associated Lab Samples: 92526337001, 92526337002, 92526337003, 92526337004

METHOD BLANK: 3196222 Matrix: Water  
Associated Lab Samples: 92526337001, 92526337002, 92526337003, 92526337004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/16/21 04:09	
Fluoride	mg/L	ND	0.10	0.050	03/16/21 04:09	
Sulfate	mg/L	ND	1.0	0.50	03/16/21 04:09	

LABORATORY CONTROL SAMPLE: 3196223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.5	99	90-110	
Fluoride	mg/L	2.5	2.5	100	90-110	
Sulfate	mg/L	50	52.2	104	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3196224 3196225

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92527305006	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	2170	50	50	2220	2220	100	95	90-110	0	10		
Fluoride	mg/L				8.8	8.5					3	10 M6	
Sulfate	mg/L				1800	1790					0	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3196226 3196227

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92527315001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	1620	50	50	1640	1650	49	61	90-110	0	10 M6		
Fluoride	mg/L	ND	2.5	2.5	ND	ND	0	0	90-110		10 M6		
Sulfate	mg/L	25.1	50	50	70.0	71.8	90	93	90-110	2	10		

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

QC Batch: 606813 Analysis Method: EPA 300.0 Rev 2.1 1993  
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions  
Laboratory: Pace Analytical Services - Asheville  
Associated Lab Samples: 92526337005, 92526337006, 92526337007, 92526337008, 92526337009

METHOD BLANK: 3196939 Matrix: Water  
Associated Lab Samples: 92526337005, 92526337006, 92526337007, 92526337008, 92526337009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/16/21 17:28	
Fluoride	mg/L	ND	0.10	0.050	03/16/21 17:28	
Sulfate	mg/L	ND	1.0	0.50	03/16/21 17:28	

LABORATORY CONTROL SAMPLE: 3196940

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	46.9	94	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	47.4	95	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3196941 3196942

Parameter	Units	92527577023		3196941		3196942		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	2.9	50	50	51.8	52.3	98	99	90-110	1	10		
Fluoride	mg/L	0.15	2.5	2.5	3.6	3.6	136	138	90-110	1	10	M1	
Sulfate	mg/L	34.0	50	50	81.4	81.6	95	95	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3196943 3196944

Parameter	Units	92526337009		3196943		3196944		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	2.2	50	50	51.4	50.5	99	97	90-110	2	10		
Fluoride	mg/L	0.12	2.5	2.5	2.6	2.5	99	96	90-110	2	10		
Sulfate	mg/L	33.1	50	50	83.2	82.3	100	98	90-110	1	10		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

QC Batch:	606814	Analysis Method:	EPA 300.0 Rev 2.1 1993
QC Batch Method:	EPA 300.0 Rev 2.1 1993	Analysis Description:	300.0 IC Anions
		Laboratory:	Pace Analytical Services - Asheville

Associated Lab Samples: 92526337010, 92526337011, 92526337012, 92526337013, 92526337014, 92526337015, 92526337016, 92526337017, 92526337018

METHOD BLANK: 3196945 Matrix: Water  
Associated Lab Samples: 92526337010, 92526337011, 92526337012, 92526337013, 92526337014, 92526337015, 92526337016, 92526337017, 92526337018

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/17/21 01:31	
Fluoride	mg/L	ND	0.10	0.050	03/17/21 01:31	
Sulfate	mg/L	ND	1.0	0.50	03/17/21 01:31	

LABORATORY CONTROL SAMPLE: 3196946

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	46.8	94	90-110	
Fluoride	mg/L	2.5	2.4	96	90-110	
Sulfate	mg/L	50	47.2	94	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3196947 3196948

Parameter	Units	92526337010		3196948		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Chloride	mg/L	0.74J	50	47.3	48.4	93	95	90-110	2	10	
Fluoride	mg/L	0.080J	2.5	2.4	2.5	95	97	90-110	3	10	
Sulfate	mg/L	65.1	50	101	102	71	74	90-110	1	10 M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3196949 3196950

Parameter	Units	92524632022		3196950		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Spike Conc.	MS Result	MSD Spike Conc.						
Chloride	mg/L	1.8	50	50.5	50.8	97	98	90-110	1	10	
Fluoride	mg/L	ND	2.5	2.4	2.4	96	96	90-110	0	10	
Sulfate	mg/L	1.4	50	50.5	50.8	98	99	90-110	1	10	

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### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

QC Batch: 607170 Analysis Method: EPA 300.0 Rev 2.1 1993  
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions  
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92527273001, 92527273002

METHOD BLANK: 3198670 Matrix: Water  
Associated Lab Samples: 92527273001, 92527273002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	03/17/21 17:51	
Fluoride	mg/L	ND	0.10	0.050	03/17/21 17:51	
Sulfate	mg/L	ND	1.0	0.50	03/17/21 17:51	

LABORATORY CONTROL SAMPLE: 3198671

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.3	101	90-110	
Fluoride	mg/L	2.5	2.7	107	90-110	
Sulfate	mg/L	50	52.7	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3198672 3198673

Parameter	Units	92527256001		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	7.4	50	50	59.6	59.8	104	105	90-110	0	10		
Fluoride	mg/L	0.079J	2.5	2.5	2.7	2.7	106	107	90-110	0	10		
Sulfate	mg/L	49.6	50	50	94.1	95.1	89	91	90-110	1	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3198674 3198675

Parameter	Units	92527256002		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Conc.	Result	Result						
Chloride	mg/L	2.9	50	50	54.4	53.4	103	101	90-110	2	10		
Fluoride	mg/L	ND	2.5	2.5	3.0	2.8	118	112	90-110	6	10	M1	
Sulfate	mg/L	1.2	50	50	54.5	53.7	107	105	90-110	1	10		

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### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

D6 The precision between the sample and sample duplicate exceeded laboratory control limits.

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

M6 Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92526337001	GWA-1				
92526337002	GWA-3				
92526337003	GWA-4				
92526337004	GWA-11				
92526337005	GWA-2				
92526337006	GWC-5				
92526337007	GWC-6				
92526337008	GWC-7				
92526337009	GWC-8				
92526337010	GWC-9				
92526337011	GWC-10				
92526337012	GWC-18				
92526337013	GWC-21				
92526337014	GWC-22				
92526337015	GWC-23				
92527273001	GWC-19				
92527273002	GWC-20				
92526337001	GWA-1	EPA 3010A	607239	EPA 6010D	607307
92526337002	GWA-3	EPA 3010A	607239	EPA 6010D	607307
92526337003	GWA-4	EPA 3010A	607239	EPA 6010D	607307
92526337004	GWA-11	EPA 3010A	607239	EPA 6010D	607307
92526337005	GWA-2	EPA 3010A	607239	EPA 6010D	607307
92526337006	GWC-5	EPA 3010A	607239	EPA 6010D	607307
92526337007	GWC-6	EPA 3010A	607239	EPA 6010D	607307
92526337008	GWC-7	EPA 3010A	607239	EPA 6010D	607307
92526337009	GWC-8	EPA 3010A	607239	EPA 6010D	607307
92526337010	GWC-9	EPA 3010A	607239	EPA 6010D	607307
92526337011	GWC-10	EPA 3010A	607239	EPA 6010D	607307
92526337012	GWC-18	EPA 3010A	607239	EPA 6010D	607307
92526337013	GWC-21	EPA 3010A	607239	EPA 6010D	607307
92526337014	GWC-22	EPA 3010A	607239	EPA 6010D	607307
92526337015	GWC-23	EPA 3010A	607239	EPA 6010D	607307
92526337016	DUP-5	EPA 3010A	607239	EPA 6010D	607307
92526337017	EB-4	EPA 3010A	607239	EPA 6010D	607307
92526337018	FB-5	EPA 3010A	607239	EPA 6010D	607307
92527273001	GWC-19	EPA 3010A	607584	EPA 6010D	607676
92527273002	GWC-20	EPA 3010A	607584	EPA 6010D	607676
92526337001	GWA-1	EPA 3005A	607261	EPA 6020B	607376
92526337002	GWA-3	EPA 3005A	607261	EPA 6020B	607376
92526337003	GWA-4	EPA 3005A	607261	EPA 6020B	607376
92526337004	GWA-11	EPA 3005A	607261	EPA 6020B	607376
92526337005	GWA-2	EPA 3005A	607261	EPA 6020B	607376
92526337006	GWC-5	EPA 3005A	607261	EPA 6020B	607376
92526337007	GWC-6	EPA 3005A	607261	EPA 6020B	607376
92526337008	GWC-7	EPA 3005A	607261	EPA 6020B	607376
92526337009	GWC-8	EPA 3005A	607261	EPA 6020B	607376
92526337010	GWC-9	EPA 3005A	607261	EPA 6020B	607376

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92526337

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92526337011	GWC-10	EPA 3005A	607261	EPA 6020B	607376
92526337012	GWC-18	EPA 3005A	607261	EPA 6020B	607376
92526337013	GWC-21	EPA 3005A	607261	EPA 6020B	607376
92526337014	GWC-22	EPA 3005A	607261	EPA 6020B	607376
92526337015	GWC-23	EPA 3005A	607261	EPA 6020B	607376
92526337016	DUP-5	EPA 3005A	607261	EPA 6020B	607376
92526337017	EB-4	EPA 3005A	607261	EPA 6020B	607376
92526337018	FB-5	EPA 3005A	607261	EPA 6020B	607376
92527273001	GWC-19	EPA 3005A	607620	EPA 6020B	607757
92527273002	GWC-20	EPA 3005A	607620	EPA 6020B	607757
92526337001	GWA-1	SM 2450C-2011	605516		
92526337002	GWA-3	SM 2450C-2011	605516		
92526337003	GWA-4	SM 2450C-2011	605516		
92526337004	GWA-11	SM 2450C-2011	605516		
92526337005	GWA-2	SM 2450C-2011	606468		
92526337006	GWC-5	SM 2450C-2011	606468		
92526337007	GWC-6	SM 2450C-2011	606468		
92526337008	GWC-7	SM 2450C-2011	606468		
92526337009	GWC-8	SM 2450C-2011	606468		
92526337010	GWC-9	SM 2450C-2011	606468		
92526337011	GWC-10	SM 2450C-2011	606468		
92526337012	GWC-18	SM 2450C-2011	606468		
92526337013	GWC-21	SM 2450C-2011	606468		
92526337014	GWC-22	SM 2450C-2011	606468		
92526337015	GWC-23	SM 2450C-2011	606469		
92526337016	DUP-5	SM 2450C-2011	606469		
92526337017	EB-4	SM 2450C-2011	606469		
92526337018	FB-5	SM 2450C-2011	606469		
92527273001	GWC-19	SM 2450C-2011	606587		
92527273002	GWC-20	SM 2450C-2011	606587		
92526337001	GWA-1	EPA 300.0 Rev 2.1 1993	606641		
92526337002	GWA-3	EPA 300.0 Rev 2.1 1993	606641		
92526337003	GWA-4	EPA 300.0 Rev 2.1 1993	606641		
92526337004	GWA-11	EPA 300.0 Rev 2.1 1993	606641		
92526337005	GWA-2	EPA 300.0 Rev 2.1 1993	606813		
92526337006	GWC-5	EPA 300.0 Rev 2.1 1993	606813		
92526337007	GWC-6	EPA 300.0 Rev 2.1 1993	606813		
92526337008	GWC-7	EPA 300.0 Rev 2.1 1993	606813		
92526337009	GWC-8	EPA 300.0 Rev 2.1 1993	606813		
92526337010	GWC-9	EPA 300.0 Rev 2.1 1993	606814		
92526337011	GWC-10	EPA 300.0 Rev 2.1 1993	606814		
92526337012	GWC-18	EPA 300.0 Rev 2.1 1993	606814		
92526337013	GWC-21	EPA 300.0 Rev 2.1 1993	606814		
92526337014	GWC-22	EPA 300.0 Rev 2.1 1993	606814		
92526337015	GWC-23	EPA 300.0 Rev 2.1 1993	606814		

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92526337

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92526337016	DUP-5	EPA 300.0 Rev 2.1 1993	606814		
92526337017	EB-4	EPA 300.0 Rev 2.1 1993	606814		
92526337018	FB-5	EPA 300.0 Rev 2.1 1993	606814		
92527273001	GWC-19	EPA 300.0 Rev 2.1 1993	607170		
92527273002	GWC-20	EPA 300.0 Rev 2.1 1993	607170		

### REPORT OF LABORATORY ANALYSIS

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**Laboratory receiving samples:**

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition  
Upon Receipt

Client Name: GA Power

Project #: **WO# : 92526337**

Courier:  Fed Ex  UPS  USPS  Client  
 Commercial  Pace  Other: \_\_\_\_\_



Custody Seal Present?  Yes  No    Seals Intact?  Yes  No

Date/Initials Person Examining Contents: 3/9/24  
OW

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?  Yes  No  N/A

Thermometer:  IR Gun ID: 230    Type of Ice:  Wet  Blue  None

Cooler Temp: 4.4    Correction Factor: Add/Subtract (°C) 0.0

Temp should be above freezing to 6°C  
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): 4.4

USDA Regulated Soil (  N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?  
 Yes  No

Did samples originate from a foreign source (Internationally, including Hawaii and Puerto Rico)?  Yes  No

**Comments/Discrepancy:**

Chain of Custody Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.	
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.	
Short Hold Time Analysis (<72 hr.)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.	
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.	
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.	
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.	
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.	
Dissolved analysis: Samples Field Filtered?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.	
Sample Labels Match COC?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.	
-Includes Date/Time/ID/Analysis Matrix:	<u>W</u>		
Headspace In VOA Vials (>5-6mm)?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.	
Trip Blank Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.	
Trip Blank Custody Seals Present?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A		

**COMMENTS/SAMPLE DISCREPANCY**

Field Data Required?  Yes  No

Lot ID of split containers: \_\_\_\_\_

**CLIENT NOTIFICATION/RESOLUTION**

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_

Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_

Date: \_\_\_\_\_





## CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

<b>Section A</b> Required Client Information: Company: GA Power Address: Atlanta, GA	<b>Section B</b> Required Project Information: Report To: SCS Contacts Copy To: Geosynetic Contacts	<b>Section C</b> Invoice Information: Attention: Southern Co. Company Name: Southern Co. Address: City: State: Zip: Company Phone: Company Fax: Purchase Order No.: Project Name: Plant Hammond Huffaker Semiannual Project Number: GWS9818 Requested Date DATEDAT: 10 Day
<b>REGULATORY AGENCY</b> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>		Site Location STATE: GA

ITEM #	Section D Required Client Information Valid Matrix Codes CODE DATE TIME DATE TIME	Section D Required Client Information Valid Matrix Codes CODE DATE TIME DATE TIME	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-GRAB C-COMP)	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test			Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)					
											H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other	Chloride, Fluoride, Sulfate	TDS					Metals*				
1	GWA-1	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	
2	GWA-2	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	
3	GWA-3	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	
4	GWA-4	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	
5	GWA-11	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	
6	GWC-5	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	
7	GWC-6	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	
8	GWC-7	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	
9	GWC-8	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	
10	GWC-9	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	
11	GWC-10	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	
12	GWC-18	WT G	WT G	5/4/02	14	3	2	1	3	2	1																	

ADDITIONAL COMMENTS: Please code dry wells, strike through any wells not sampled, and note when the last sample for the event has been taken. REMUNISHED BY/AFFILIATION: <i>Kevin Herring</i> DATE/TIME: <i>3/10/01 1417</i> ACCEPTED BY/AFFILIATION: <i>Kevin Herring</i> DATE/TIME: <i>3/10/01 1235</i>		PACES PROJECT NO./ LAB I.D.: <i>GA Power / Pace</i>	
SIGNATURE OF SAMPLER: <i>Kevin Herring</i>		SIGNATURE OF ANALYST: <i>Kevin Herring</i>	
PRINT NAME OF SAMPLER: <i>Kevin Herring</i>		PRINT NAME OF ANALYST: <i>Kevin Herring</i>	
DATE SIGNED: <i>3/9/01</i>		DATE SIGNED: <i>3/9/01</i>	
SAMPLER NAME AND SIGNATURE: <i>Kevin Herring</i>		SAMPLER NAME AND SIGNATURE: <i>Kevin Herring</i>	
TEMP IN °C: <i>8.1</i>		RECEIVED ON ICE (Y/N): <i>Y</i>	
CUSTODY SEALED COOLER (Y/N): <i>N</i>		SAMPLES INTACT (Y/N): <i>Y</i>	



CHAIN-OF-CUSTODY / Analytical Request Document

Section A: Required Client Information (Company: GA Power, Address: Atlanta, GA)
Section B: Required Project Information (Report To: SCS Contacts, Copy To: Geosyntec Contacts)
Section C: Invoice Information (Attention: Southern Co., Company Name: Southern Co.)
REGULATORY AGENCY: NPDES GROUND WATER, DRINKING WATER

Main data table with columns: ITEM #, Section D (Valid Matrix Codes), MATRIX CODE, SAMPLE TYPE, DATE, TIME, SAMPLE TEMP AT COLLECTION, # OF CONTAINERS (Unpreserved, Preservatives), Analysis Test (Chloride, Fluoride, Sulfate, TDS, Metals\*), Residual Chlorine (Y/N), and Face Project No./ Lab ID.

Table with columns: ADDITIONAL COMMENTS, RELINQUISHED BY / AFFILIATION, DATE, TIME, ACCEPTED BY / AFFILIATION, DATE, TIME, and SAMPLE CONDITIONS (Temp in °C, Received on ice, Custody Sealed Cooler, Samples Intact).

SAMPLER NAME AND SIGNATURE section with fields for PRINT Name of SAMPLER, SIGNATURE of SAMPLER, DATE Signed, and INSTRUCTIONS.

Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to be charged a 1.5% per month for any invoices not paid within 30 days.





**CHAIN-OF-CUSTODY / Analytical**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant

**MO#: 92527273**  
92527273

Section A Required Client Information: Company: <b>GA Power</b> Address: <b>Atlanta, GA</b>		Section B Required Project Information: Report To: <b>SCS Contacts</b> Copy To: <b>Geosynlec Contacts</b>		Section C Invoice Information: Attention: <b>Southern Co.</b> Company Name: Address: Phone: Fax: Reference: <b>Kevin Herring</b> Project Manager: Project Number: <b>10839-11</b>	
Section D Required Client Information: Valid Matrix Codes MATRIX CODE (see valid codes to left) SAMPLE TYPE (G=GRAB C=COMP)		Purchase Order No.: Project Name: <b>Plant Hammond Hurlaker Semianual</b> Project Number: <b>GW68818</b>		Requested Analyte Filtered (Y/N)	
Requested Due Date/TAT: <b>to Day</b>		Site Location: <b>GA</b>		Regulatory Agency: <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> DRINKING WATER <input type="checkbox"/> OTHER	

ITEM #	Section D Required Client Information Valid Matrix Codes MATRIX CODE (see valid codes to left) SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives Unpreserved H <sub>2</sub> SO <sub>4</sub> HNO <sub>3</sub> HCl NaOH Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol Other	Analysis Test Chloride, Fluoride, Sulfate TDS Metals*	Y/N	Requested Analyte Filtered (Y/N)	Residual Chlorine (Y/N)	Temp in °C	Received on ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)	Additional Comments	
																		REQUISITIONED BY / AFFILIATION
1	GW-C-19	3/11/07	1403	3/11/07	1555	19	3						40	Y	N	Y		
2	GW-C-20	3/11/07	1606	3/11/07	1555	15	3						40	Y	N	Y		
3	GW-C-21						3											
4	GW-C-22						3											
5	GW-C-23						3											
6	DUP-5						3											
7	EB-4						3											
8	EB-5						3											
9	FB-5						3											
10																		
11																		
12																		

**Additional Comments:**  
Please note dry wells - strike through any wells not sampled, and note when the last sample for the event has been taken.  
Metals=SO, AS, BA, BE, B, CD, CA, CR, CC, CU, PB, NI, SE, AG, TI, V, ZN  
Handwritten notes: *Handwritten notes in table cells*

**SAMPLER NAME AND SIGNATURE:**  
PRINT NAME of SAMPLER: *Handwritten name*  
SIGNATURE of SAMPLER: *Handwritten signature*  
DATE Signed: *3/11/07*  
TIME Signed: *1555*

**Regulatory Agency:**  
 NPDES  GROUND WATER  
 UST  RCRA  DRINKING WATER  
 OTHER

Important Note: By signing this form you are accepting Page's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 20 days.  
F-ALL-Q-020rev.07 (15-Feb-2007)

August 23, 2021

Joju Abraham  
Georgia Power-CCR  
2480 Maner Road  
Atlanta, GA 30339

RE: Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on August 11, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Asheville
- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole D'Oleo  
nicole.d'oleo@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures

cc: Christine Hug, Geosyntec Consultants, Inc.  
Kristen Jurinko  
Thomas Kessler, Geosyntec  
Whitney Law, Geosyntec Consultants  
Noelia Muskus, Geosyntec Consultants  
Ms. Lauren Petty, Southern Company  
Nardos Tilahun, GeoSyntec  
Dawit Yifru, Geosyntec Consultants, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

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### **Pace Analytical Services Charlotte**

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
Louisiana/NELAP Certification # LA170028  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001  
Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
Virginia/VELAP Certification #: 460221

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### **Pace Analytical Services Asheville**

2225 Riverside Drive, Asheville, NC 28804  
Florida/NELAP Certification #: E87648  
North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40  
South Carolina Certification #: 99030001  
Virginia/VELAP Certification #: 460222

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### **Pace Analytical Services Peachtree Corners**

110 Technology Pkwy, Peachtree Corners, GA 30092  
Florida DOH Certification #: E87315  
Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381  
South Carolina Certification #: 98011001

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## REPORT OF LABORATORY ANALYSIS

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## SAMPLE SUMMARY

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92554829

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92554829001	GWA-1	Water	08/09/21 15:30	08/11/21 10:35
92554829002	GWA-2	Water	08/09/21 14:00	08/11/21 10:35
92554829003	GWA-3	Water	08/09/21 15:35	08/11/21 10:35
92554829004	GWA-4	Water	08/09/21 14:23	08/11/21 10:35
92554829005	GWA-11	Water	08/10/21 09:20	08/11/21 10:35
92554829006	GWC-5	Water	08/10/21 09:45	08/11/21 10:35
92554829007	GWC-6	Water	08/10/21 11:55	08/11/21 10:35
92554829008	GWC-7	Water	08/10/21 11:35	08/11/21 10:35
92554829009	GWC-8	Water	08/10/21 13:44	08/11/21 10:35
92554829010	GWC-9	Water	08/10/21 13:05	08/11/21 10:35
92554829011	GWC-10	Water	08/10/21 11:58	08/11/21 10:35
92554829012	GWC-18	Water	08/10/21 14:20	08/11/21 10:35
92554829013	GWC-19	Water	08/10/21 15:45	08/11/21 10:35
92554829014	GWC-20	Water	08/10/21 16:02	08/11/21 10:35
92554829015	GWC-21	Water	08/10/21 16:13	08/11/21 10:35
92554829016	GWC-22	Water	08/10/21 14:02	08/11/21 10:35
92554829017	GWC-23	Water	08/10/21 10:04	08/11/21 10:35
92554829018	DUP-5	Water	08/10/21 00:00	08/11/21 10:35
92554829019	EB-5	Water	08/10/21 16:40	08/11/21 10:35
92554829020	FB-5	Water	08/10/21 16:35	08/11/21 10:35

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92554829001	GWA-1	EPA 6010D	DRB	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829002	GWA-2	EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829003	GWA-3	EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829004	GWA-4	EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829005	GWA-11	EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829006	GWC-5	EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829007	GWC-6	EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829008	GWC-7	EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829009	GWC-8	EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829010	GWC-9	EPA 6010D	KH	1

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92554829011	GWC-10	EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	16
92554829012	GWC-18	SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
92554829013	GWC-19	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829014	GWC-20	EPA 6010D	KH	1
		EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
92554829015	GWC-21	EPA 6020B	CW1	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1	16
92554829016	GWC-22	SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1, KH	16
		SM 2540C-2011	ALW	1
92554829017	GWC-23	EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
		EPA 6020B	CW1, KH	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829018	DUP-5	EPA 6010D	KH	1
		EPA 6020B	CW1, KH	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
		EPA 6010D	KH	1
92554829019	EB-5	EPA 6020B	CW1, KH	16
		EPA 6010D	KH	1
		EPA 300.0 Rev 2.1 1993	CDC	3

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92554829

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3
92554829020	FB-5	EPA 6010D	KH	1
		EPA 6020B	CW1, KH	16
		SM 2540C-2011	ALW	1
		EPA 300.0 Rev 2.1 1993	CDC	3

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

PASI-GA = Pace Analytical Services - Peachtree Corners, GA

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92554829

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92554829001</b>	<b>GWA-1</b>					
	Performed by	CUSTOME			08/11/21 15:05	
		R				
	pH	7.23	Std. Units		08/11/21 15:05	
EPA 6010D	Calcium	20.2	mg/L	1.0	08/12/21 16:54	M1
EPA 6020B	Barium	0.046	mg/L	0.0050	08/13/21 14:40	
EPA 6020B	Boron	0.021J	mg/L	0.040	08/13/21 14:40	
EPA 6020B	Vanadium	0.0019J	mg/L	0.010	08/13/21 14:40	
SM 2540C-2011	Total Dissolved Solids	96.0	mg/L	10.0	08/16/21 17:05	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	08/16/21 04:41	
EPA 300.0 Rev 2.1 1993	Fluoride	0.083J	mg/L	0.10	08/16/21 04:41	
EPA 300.0 Rev 2.1 1993	Sulfate	4.7	mg/L	1.0	08/16/21 04:41	
<b>92554829002</b>	<b>GWA-2</b>					
	Performed by	CUSTOME			08/11/21 15:05	
		R				
	pH	6.90	Std. Units		08/11/21 15:05	
EPA 6010D	Calcium	49.9	mg/L	1.0	08/12/21 17:34	M1
EPA 6020B	Antimony	0.0023J	mg/L	0.0030	08/13/21 15:03	
EPA 6020B	Barium	0.19	mg/L	0.0050	08/13/21 15:03	
EPA 6020B	Boron	0.085	mg/L	0.040	08/13/21 15:03	
SM 2540C-2011	Total Dissolved Solids	245	mg/L	10.0	08/13/21 09:52	
EPA 300.0 Rev 2.1 1993	Chloride	2.4	mg/L	1.0	08/16/21 04:56	
EPA 300.0 Rev 2.1 1993	Fluoride	0.081J	mg/L	0.10	08/16/21 04:56	
EPA 300.0 Rev 2.1 1993	Sulfate	23.2	mg/L	1.0	08/16/21 04:56	
<b>92554829003</b>	<b>GWA-3</b>					
	Performed by	CUSTOME			08/11/21 15:06	
		R				
	pH	6.89	Std. Units		08/11/21 15:06	
EPA 6010D	Calcium	73.2	mg/L	1.0	08/12/21 17:53	
EPA 6020B	Barium	0.12	mg/L	0.0050	08/13/21 15:09	
EPA 6020B	Boron	0.14	mg/L	0.040	08/13/21 15:09	
EPA 6020B	Cobalt	0.00042J	mg/L	0.0050	08/13/21 15:09	
SM 2540C-2011	Total Dissolved Solids	416	mg/L	10.0	08/16/21 17:05	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	08/16/21 05:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10	mg/L	0.10	08/16/21 05:12	
EPA 300.0 Rev 2.1 1993	Sulfate	93.3	mg/L	1.0	08/16/21 05:12	
<b>92554829004</b>	<b>GWA-4</b>					
	Performed by	CUSTOME			08/11/21 15:06	
		R				
	pH	6.76	Std. Units		08/11/21 15:06	
EPA 6010D	Calcium	69.7	mg/L	1.0	08/12/21 17:58	
EPA 6020B	Barium	0.034	mg/L	0.0050	08/13/21 15:15	
EPA 6020B	Boron	0.073	mg/L	0.040	08/13/21 15:15	
EPA 6020B	Copper	0.00051J	mg/L	0.0050	08/13/21 15:15	
EPA 6020B	Nickel	0.0010J	mg/L	0.0050	08/13/21 15:15	
SM 2540C-2011	Total Dissolved Solids	371	mg/L	10.0	08/13/21 09:52	
EPA 300.0 Rev 2.1 1993	Chloride	3.0	mg/L	1.0	08/16/21 05:58	M1
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	08/16/21 05:58	M1

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92554829

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92554829004</b>	<b>GWA-4</b>					
EPA 300.0 Rev 2.1 1993	Sulfate	106	mg/L	2.0	08/17/21 18:08	M1
<b>92554829005</b>	<b>GWA-11</b>					
	Performed by	CUSTOME			08/11/21 15:06	
		R				
	pH	6.84	Std. Units		08/11/21 15:06	
EPA 6010D	Calcium	20.8	mg/L	1.0	08/12/21 18:02	
EPA 6020B	Barium	0.030	mg/L	0.0050	08/13/21 15:20	
EPA 6020B	Boron	0.034J	mg/L	0.040	08/13/21 15:20	
EPA 6020B	Cobalt	0.00047J	mg/L	0.0050	08/13/21 15:20	
EPA 6020B	Nickel	0.0017J	mg/L	0.0050	08/13/21 15:20	
SM 2540C-2011	Total Dissolved Solids	107	mg/L	10.0	08/17/21 08:08	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	08/16/21 07:31	
EPA 300.0 Rev 2.1 1993	Fluoride	0.068J	mg/L	0.10	08/16/21 07:31	
EPA 300.0 Rev 2.1 1993	Sulfate	11.2	mg/L	1.0	08/16/21 07:31	
<b>92554829006</b>	<b>GWC-5</b>					
	Performed by	CUSTOME			08/11/21 15:06	
		R				
	pH	6.87	Std. Units		08/11/21 15:06	
EPA 6010D	Calcium	78.3	mg/L	1.0	08/12/21 18:07	
EPA 6020B	Barium	0.077	mg/L	0.0050	08/13/21 15:40	
EPA 6020B	Boron	0.056	mg/L	0.040	08/13/21 15:40	
EPA 6020B	Cobalt	0.00098J	mg/L	0.0050	08/13/21 15:40	
EPA 6020B	Nickel	0.00085J	mg/L	0.0050	08/13/21 15:40	
SM 2540C-2011	Total Dissolved Solids	363	mg/L	10.0	08/17/21 08:08	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	08/16/21 07:47	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	08/16/21 07:47	
EPA 300.0 Rev 2.1 1993	Sulfate	76.1	mg/L	1.0	08/16/21 07:47	
<b>92554829007</b>	<b>GWC-6</b>					
	Performed by	CUSTOME			08/11/21 15:07	
		R				
	pH	7.06	Std. Units		08/11/21 15:07	
EPA 6010D	Calcium	67.7	mg/L	1.0	08/12/21 18:12	
EPA 6020B	Barium	0.18	mg/L	0.0050	08/13/21 15:46	
EPA 6020B	Boron	0.037J	mg/L	0.040	08/13/21 15:46	
SM 2540C-2011	Total Dissolved Solids	318	mg/L	10.0	08/17/21 08:08	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	08/19/21 15:24	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.10	08/19/21 15:24	
EPA 300.0 Rev 2.1 1993	Sulfate	95.9	mg/L	2.0	08/20/21 16:52	
<b>92554829008</b>	<b>GWC-7</b>					
	Performed by	CUSTOME			08/11/21 15:07	
		R				
	pH	6.29	Std. Units		08/11/21 15:07	
EPA 6010D	Calcium	40.5	mg/L	1.0	08/12/21 18:26	
EPA 6020B	Arsenic	0.0072	mg/L	0.0050	08/13/21 15:51	
EPA 6020B	Barium	0.14	mg/L	0.0050	08/13/21 15:51	
EPA 6020B	Beryllium	0.000061J	mg/L	0.00050	08/13/21 15:51	

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92554829

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92554829008</b>	<b>GWC-7</b>					
EPA 6020B	Boron	0.037J	mg/L	0.040	08/13/21 15:51	
EPA 6020B	Cobalt	0.013	mg/L	0.0050	08/13/21 15:51	
EPA 6020B	Nickel	0.057	mg/L	0.0050	08/13/21 15:51	
EPA 6020B	Zinc	0.093	mg/L	0.010	08/13/21 15:51	
SM 2540C-2011	Total Dissolved Solids	210	mg/L	10.0	08/17/21 08:08	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	08/16/21 08:18	
EPA 300.0 Rev 2.1 1993	Fluoride	0.19	mg/L	0.10	08/16/21 08:18	
EPA 300.0 Rev 2.1 1993	Sulfate	101	mg/L	2.0	08/17/21 19:11	
<b>92554829009</b>	<b>GWC-8</b>					
	Performed by	CUSTOME			08/11/21 15:07	
		R				
	pH	6.65	Std. Units		08/11/21 15:07	
EPA 6010D	Calcium	111	mg/L	1.0	08/12/21 18:31	
EPA 6020B	Arsenic	0.0050	mg/L	0.0050	08/13/21 15:57	
EPA 6020B	Barium	0.23	mg/L	0.0050	08/13/21 15:57	
EPA 6020B	Boron	0.088	mg/L	0.040	08/13/21 15:57	
EPA 6020B	Cobalt	0.0040J	mg/L	0.0050	08/13/21 15:57	
EPA 6020B	Nickel	0.0073	mg/L	0.0050	08/13/21 15:57	
SM 2540C-2011	Total Dissolved Solids	425	mg/L	10.0	08/17/21 08:08	
EPA 300.0 Rev 2.1 1993	Chloride	2.7	mg/L	1.0	08/16/21 08:33	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	08/16/21 08:33	
EPA 300.0 Rev 2.1 1993	Sulfate	31.6	mg/L	1.0	08/16/21 08:33	
<b>92554829010</b>	<b>GWC-9</b>					
	Performed by	CUSTOME			08/11/21 15:08	
		R				
	pH	6.91	Std. Units		08/11/21 15:08	
EPA 6010D	Calcium	38.1	mg/L	1.0	08/12/21 18:36	
EPA 6020B	Barium	0.067	mg/L	0.0050	08/13/21 16:03	
EPA 6020B	Boron	0.012J	mg/L	0.040	08/13/21 16:03	
EPA 6020B	Copper	0.0018J	mg/L	0.0050	08/13/21 16:03	
EPA 6020B	Nickel	0.0019J	mg/L	0.0050	08/13/21 16:03	
SM 2540C-2011	Total Dissolved Solids	208	mg/L	10.0	08/17/21 08:08	
EPA 300.0 Rev 2.1 1993	Chloride	0.85J	mg/L	1.0	08/16/21 08:49	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	08/16/21 08:49	
EPA 300.0 Rev 2.1 1993	Sulfate	76.3	mg/L	1.0	08/16/21 08:49	
<b>92554829011</b>	<b>GWC-10</b>					
	Performed by	CUSTOME			08/11/21 15:08	
		R				
	pH	7.45	Std. Units		08/11/21 15:08	
EPA 6010D	Calcium	45.5	mg/L	1.0	08/12/21 18:41	
EPA 6020B	Barium	0.14	mg/L	0.0050	08/13/21 16:08	
EPA 6020B	Boron	0.033J	mg/L	0.040	08/13/21 16:08	
SM 2540C-2011	Total Dissolved Solids	185	mg/L	10.0	08/17/21 08:09	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	08/16/21 09:04	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.10	08/16/21 09:04	
EPA 300.0 Rev 2.1 1993	Sulfate	14.9	mg/L	1.0	08/16/21 09:04	

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### SUMMARY OF DETECTION

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92554829

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92554829012</b>	<b>GWC-18</b>					
	Performed by	CUSTOME			08/11/21 15:08	
		R				
	pH	7.40	Std. Units		08/11/21 15:08	
EPA 6010D	Calcium	48.2	mg/L	1.0	08/12/21 18:45	
EPA 6020B	Barium	0.093	mg/L	0.0050	08/13/21 16:14	
EPA 6020B	Boron	0.14	mg/L	0.040	08/17/21 18:43	
SM 2540C-2011	Total Dissolved Solids	224	mg/L	10.0	08/17/21 08:09	
EPA 300.0 Rev 2.1 1993	Chloride	0.93J	mg/L	1.0	08/16/21 09:20	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	08/16/21 09:20	
EPA 300.0 Rev 2.1 1993	Sulfate	10.3	mg/L	1.0	08/16/21 09:20	
<b>92554829013</b>	<b>GWC-19</b>					
	Performed by	CUSTOME			08/11/21 15:09	
		R				
	pH	7.49	Std. Units		08/11/21 15:09	
EPA 6010D	Calcium	44.9	mg/L	1.0	08/12/21 18:50	
EPA 6020B	Barium	0.14	mg/L	0.0050	08/13/21 16:20	
EPA 6020B	Boron	0.14	mg/L	0.040	08/13/21 16:20	
SM 2540C-2011	Total Dissolved Solids	209	mg/L	10.0	08/17/21 08:09	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	08/16/21 09:35	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	08/16/21 09:35	
EPA 300.0 Rev 2.1 1993	Sulfate	17.8	mg/L	1.0	08/16/21 09:35	
<b>92554829014</b>	<b>GWC-20</b>					
	Performed by	CUSTOME			08/11/21 15:09	
		R				
	pH	7.31	Std. Units		08/11/21 15:09	
EPA 6010D	Calcium	62.0	mg/L	1.0	08/12/21 18:55	
EPA 6020B	Barium	0.14	mg/L	0.0050	08/13/21 16:26	
EPA 6020B	Boron	0.013J	mg/L	0.040	08/13/21 16:26	
SM 2540C-2011	Total Dissolved Solids	270	mg/L	10.0	08/17/21 08:09	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	08/16/21 10:22	
EPA 300.0 Rev 2.1 1993	Fluoride	0.066J	mg/L	0.10	08/16/21 10:22	
EPA 300.0 Rev 2.1 1993	Sulfate	66.4	mg/L	1.0	08/16/21 10:22	M1
<b>92554829015</b>	<b>GWC-21</b>					
	Performed by	CUSTOME			08/11/21 15:09	
		R				
	pH	6.05	Std. Units		08/11/21 15:09	
EPA 6010D	Calcium	29.7	mg/L	1.0	08/12/21 19:00	
EPA 6020B	Barium	0.057	mg/L	0.0050	08/13/21 16:31	
EPA 6020B	Boron	0.026J	mg/L	0.040	08/13/21 16:31	
EPA 6020B	Cobalt	0.0041J	mg/L	0.0050	08/13/21 16:31	
EPA 6020B	Nickel	0.0076	mg/L	0.0050	08/13/21 16:31	
SM 2540C-2011	Total Dissolved Solids	121	mg/L	10.0	08/17/21 08:09	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	08/16/21 11:08	
EPA 300.0 Rev 2.1 1993	Sulfate	23.8	mg/L	1.0	08/16/21 11:08	

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### SUMMARY OF DETECTION

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92554829

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92554829016</b>	<b>GWC-22</b>					
	Performed by	CUSTOME			08/11/21 15:09	
		R				
	pH	7.75	Std. Units		08/11/21 15:09	
EPA 6010D	Calcium	48.1	mg/L	1.0	08/12/21 19:04	
EPA 6020B	Barium	0.091	mg/L	0.0050	08/13/21 17:20	
EPA 6020B	Boron	0.057	mg/L	0.040	08/13/21 17:20	
SM 2540C-2011	Total Dissolved Solids	206	mg/L	10.0	08/17/21 08:09	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	08/16/21 11:24	
EPA 300.0 Rev 2.1 1993	Fluoride	0.071J	mg/L	0.10	08/16/21 11:24	
EPA 300.0 Rev 2.1 1993	Sulfate	6.2	mg/L	1.0	08/16/21 11:24	
<b>92554829017</b>	<b>GWC-23</b>					
	Performed by	CUSTOME			08/11/21 15:09	
		R				
	pH	6.96	Std. Units		08/11/21 15:09	
EPA 6010D	Calcium	48.2	mg/L	1.0	08/12/21 19:09	
EPA 6020B	Barium	0.085	mg/L	0.0050	08/13/21 17:26	
EPA 6020B	Boron	0.027J	mg/L	0.040	08/13/21 17:26	
EPA 6020B	Copper	0.00078J	mg/L	0.0050	08/13/21 17:26	
EPA 6020B	Nickel	0.00080J	mg/L	0.0050	08/13/21 17:26	
SM 2540C-2011	Total Dissolved Solids	178	mg/L	10.0	08/17/21 08:09	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	08/16/21 11:39	
EPA 300.0 Rev 2.1 1993	Fluoride	0.087J	mg/L	0.10	08/16/21 11:39	
EPA 300.0 Rev 2.1 1993	Sulfate	8.0	mg/L	1.0	08/16/21 11:39	
<b>92554829018</b>	<b>DUP-5</b>					
EPA 6010D	Calcium	46.3	mg/L	1.0	08/12/21 19:29	
EPA 6020B	Barium	0.13	mg/L	0.0050	08/13/21 17:37	
EPA 6020B	Boron	0.036J	mg/L	0.040	08/16/21 14:13	
SM 2540C-2011	Total Dissolved Solids	185	mg/L	10.0	08/17/21 10:01	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	08/16/21 11:55	
EPA 300.0 Rev 2.1 1993	Fluoride	0.080J	mg/L	0.10	08/16/21 11:55	
EPA 300.0 Rev 2.1 1993	Sulfate	15.1	mg/L	1.0	08/16/21 11:55	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: GWA-1		Lab ID: 92554829001		Collected: 08/09/21 15:30		Received: 08/11/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:05		
pH	<b>7.23</b>	Std. Units			1		08/11/21 15:05		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>20.2</b>	mg/L	1.0	0.12	1	08/12/21 11:53	08/12/21 16:54	7440-70-2	M1
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 14:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 14:40	7440-38-2	
Barium	<b>0.046</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 14:40	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 14:40	7440-41-7	
Boron	<b>0.021J</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 14:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 14:40	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 14:40	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 14:40	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 14:40	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 14:40	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 14:40	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 14:40	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 14:40	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 14:40	7440-28-0	
Vanadium	<b>0.0019J</b>	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 14:40	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 14:40	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>96.0</b>	mg/L	10.0	10.0	1		08/16/21 17:05		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.1</b>	mg/L	1.0	0.60	1		08/16/21 04:41	16887-00-6	
Fluoride	<b>0.083J</b>	mg/L	0.10	0.050	1		08/16/21 04:41	16984-48-8	
Sulfate	<b>4.7</b>	mg/L	1.0	0.50	1		08/16/21 04:41	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: GWA-2		Lab ID: 92554829002		Collected: 08/09/21 14:00		Received: 08/11/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:05		
pH	<b>6.90</b>	Std. Units			1		08/11/21 15:05		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>49.9</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 17:34	7440-70-2	M1
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.0023J</b>	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 15:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:03	7440-38-2	
Barium	<b>0.19</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 15:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 15:03	7440-41-7	
Boron	<b>0.085</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 15:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 15:03	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 15:03	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 15:03	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 15:03	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 15:03	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 15:03	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 15:03	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 15:03	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 15:03	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 15:03	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>245</b>	mg/L	10.0	10.0	1		08/13/21 09:52		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.4</b>	mg/L	1.0	0.60	1		08/16/21 04:56	16887-00-6	
Fluoride	<b>0.081J</b>	mg/L	0.10	0.050	1		08/16/21 04:56	16984-48-8	
Sulfate	<b>23.2</b>	mg/L	1.0	0.50	1		08/16/21 04:56	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: GWA-3		Lab ID: 92554829003		Collected: 08/09/21 15:35		Received: 08/11/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:06		
pH	<b>6.89</b>	Std. Units			1		08/11/21 15:06		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>73.2</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 17:53	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 15:09	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:09	7440-38-2	
Barium	<b>0.12</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 15:09	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 15:09	7440-41-7	
Boron	<b>0.14</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 15:09	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 15:09	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:09	7440-47-3	
Cobalt	<b>0.00042J</b>	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 15:09	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 15:09	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 15:09	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 15:09	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 15:09	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 15:09	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 15:09	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 15:09	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 15:09	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>416</b>	mg/L	10.0	10.0	1		08/16/21 17:05		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.1</b>	mg/L	1.0	0.60	1		08/16/21 05:12	16887-00-6	
Fluoride	<b>0.10</b>	mg/L	0.10	0.050	1		08/16/21 05:12	16984-48-8	
Sulfate	<b>93.3</b>	mg/L	1.0	0.50	1		08/16/21 05:12	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: GWA-4		Lab ID: 92554829004		Collected: 08/09/21 14:23		Received: 08/11/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:06		
pH	<b>6.76</b>	Std. Units			1		08/11/21 15:06		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>69.7</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 17:58	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 15:15	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:15	7440-38-2	
Barium	<b>0.034</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 15:15	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 15:15	7440-41-7	
Boron	<b>0.073</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 15:15	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 15:15	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:15	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 15:15	7440-48-4	
Copper	<b>0.00051J</b>	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 15:15	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 15:15	7439-92-1	
Nickel	<b>0.0010J</b>	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 15:15	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 15:15	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 15:15	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 15:15	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 15:15	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 15:15	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>371</b>	mg/L	10.0	10.0	1		08/13/21 09:52		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>3.0</b>	mg/L	1.0	0.60	1		08/16/21 05:58	16887-00-6	M1
Fluoride	<b>0.12</b>	mg/L	0.10	0.050	1		08/16/21 05:58	16984-48-8	M1
Sulfate	<b>106</b>	mg/L	2.0	1.0	2		08/17/21 18:08	14808-79-8	M1

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: GWA-11		Lab ID: 92554829005		Collected: 08/10/21 09:20		Received: 08/11/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:06		
pH	<b>6.84</b>	Std. Units			1		08/11/21 15:06		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>20.8</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 18:02	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 15:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:20	7440-38-2	
Barium	<b>0.030</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 15:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 15:20	7440-41-7	
Boron	<b>0.034J</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 15:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 15:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:20	7440-47-3	
Cobalt	<b>0.00047J</b>	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 15:20	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 15:20	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 15:20	7439-92-1	
Nickel	<b>0.0017J</b>	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 15:20	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 15:20	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 15:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 15:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 15:20	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 15:20	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>107</b>	mg/L	10.0	10.0	1		08/17/21 08:08		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.2</b>	mg/L	1.0	0.60	1		08/16/21 07:31	16887-00-6	
Fluoride	<b>0.068J</b>	mg/L	0.10	0.050	1		08/16/21 07:31	16984-48-8	
Sulfate	<b>11.2</b>	mg/L	1.0	0.50	1		08/16/21 07:31	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: GWC-5</b>									
<b>Lab ID: 92554829006</b>									
Collected: 08/10/21 09:45 Received: 08/11/21 10:35 Matrix: Water									
Report									
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:06		
pH	<b>6.87</b>	Std. Units			1		08/11/21 15:06		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>78.3</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 18:07	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 15:40	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:40	7440-38-2	
Barium	<b>0.077</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 15:40	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 15:40	7440-41-7	
Boron	<b>0.056</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 15:40	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 15:40	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:40	7440-47-3	
Cobalt	<b>0.00098J</b>	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 15:40	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 15:40	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 15:40	7439-92-1	
Nickel	<b>0.00085J</b>	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 15:40	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 15:40	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 15:40	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 15:40	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 15:40	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 15:40	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>363</b>	mg/L	10.0	10.0	1		08/17/21 08:08		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>2.3</b>	mg/L	1.0	0.60	1		08/16/21 07:47	16887-00-6	
Fluoride	<b>0.057J</b>	mg/L	0.10	0.050	1		08/16/21 07:47	16984-48-8	
Sulfate	<b>76.1</b>	mg/L	1.0	0.50	1		08/16/21 07:47	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92554829

Sample: GWC-6		Lab ID: 92554829007		Collected: 08/10/21 11:55		Received: 08/11/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:07		
pH	<b>7.06</b>	Std. Units			1		08/11/21 15:07		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>67.7</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 18:12	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 15:46	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:46	7440-38-2	
Barium	<b>0.18</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 15:46	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 15:46	7440-41-7	
Boron	<b>0.037J</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 15:46	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 15:46	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:46	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 15:46	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 15:46	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 15:46	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 15:46	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 15:46	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 15:46	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 15:46	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 15:46	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 15:46	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>318</b>	mg/L	10.0	10.0	1		08/17/21 08:08		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.6</b>	mg/L	1.0	0.60	1		08/19/21 15:24	16887-00-6	
Fluoride	<b>0.057J</b>	mg/L	0.10	0.050	1		08/19/21 15:24	16984-48-8	
Sulfate	<b>95.9</b>	mg/L	2.0	1.0	2		08/20/21 16:52	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: GWC-7      Lab ID: 92554829008      Collected: 08/10/21 11:35      Received: 08/11/21 10:35      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:07		
pH	<b>6.29</b>	Std. Units			1		08/11/21 15:07		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>40.5</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 18:26	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 15:51	7440-36-0	
Arsenic	<b>0.0072</b>	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:51	7440-38-2	
Barium	<b>0.14</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 15:51	7440-39-3	
Beryllium	<b>0.000061J</b>	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 15:51	7440-41-7	
Boron	<b>0.037J</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 15:51	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 15:51	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:51	7440-47-3	
Cobalt	<b>0.013</b>	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 15:51	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 15:51	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 15:51	7439-92-1	
Nickel	<b>0.057</b>	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 15:51	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 15:51	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 15:51	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 15:51	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 15:51	7440-62-2	
Zinc	<b>0.093</b>	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 15:51	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>210</b>	mg/L	10.0	10.0	1		08/17/21 08:08		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.6</b>	mg/L	1.0	0.60	1		08/16/21 08:18	16887-00-6	
Fluoride	<b>0.19</b>	mg/L	0.10	0.050	1		08/16/21 08:18	16984-48-8	
Sulfate	<b>101</b>	mg/L	2.0	1.0	2		08/17/21 19:11	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: <b>GWC-8</b>		Lab ID: <b>92554829009</b>		Collected: 08/10/21 13:44	Received: 08/11/21 10:35	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:07		
pH	<b>6.65</b>	Std. Units			1		08/11/21 15:07		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>111</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 18:31	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 15:57	7440-36-0	
Arsenic	<b>0.0050</b>	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:57	7440-38-2	
Barium	<b>0.23</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 15:57	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 15:57	7440-41-7	
Boron	<b>0.088</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 15:57	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 15:57	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 15:57	7440-47-3	
Cobalt	<b>0.0040J</b>	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 15:57	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 15:57	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 15:57	7439-92-1	
Nickel	<b>0.0073</b>	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 15:57	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 15:57	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 15:57	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 15:57	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 15:57	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 15:57	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>425</b>	mg/L	10.0	10.0	1		08/17/21 08:08		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.7</b>	mg/L	1.0	0.60	1		08/16/21 08:33	16887-00-6	
Fluoride	<b>0.13</b>	mg/L	0.10	0.050	1		08/16/21 08:33	16984-48-8	
Sulfate	<b>31.6</b>	mg/L	1.0	0.50	1		08/16/21 08:33	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: GWC-9		Lab ID: 92554829010		Collected: 08/10/21 13:05		Received: 08/11/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:08		
pH	<b>6.91</b>	Std. Units			1		08/11/21 15:08		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>38.1</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 18:36	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 16:03	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:03	7440-38-2	
Barium	<b>0.067</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 16:03	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 16:03	7440-41-7	
Boron	<b>0.012J</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 16:03	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 16:03	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:03	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 16:03	7440-48-4	
Copper	<b>0.0018J</b>	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 16:03	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 16:03	7439-92-1	
Nickel	<b>0.0019J</b>	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 16:03	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 16:03	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 16:03	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 16:03	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 16:03	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 16:03	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>208</b>	mg/L	10.0	10.0	1		08/17/21 08:08		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>0.85J</b>	mg/L	1.0	0.60	1		08/16/21 08:49	16887-00-6	
Fluoride	<b>0.076J</b>	mg/L	0.10	0.050	1		08/16/21 08:49	16984-48-8	
Sulfate	<b>76.3</b>	mg/L	1.0	0.50	1		08/16/21 08:49	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: GWC-10		Lab ID: 92554829011		Collected: 08/10/21 11:58		Received: 08/11/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:08		
pH	<b>7.45</b>	Std. Units			1		08/11/21 15:08		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>45.5</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 18:41	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 16:08	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:08	7440-38-2	
Barium	<b>0.14</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 16:08	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 16:08	7440-41-7	
Boron	<b>0.033J</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 16:08	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 16:08	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:08	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 16:08	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 16:08	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 16:08	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 16:08	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 16:08	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 16:08	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 16:08	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 16:08	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 16:08	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>185</b>	mg/L	10.0	10.0	1		08/17/21 08:09		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.2</b>	mg/L	1.0	0.60	1		08/16/21 09:04	16887-00-6	
Fluoride	<b>0.078J</b>	mg/L	0.10	0.050	1		08/16/21 09:04	16984-48-8	
Sulfate	<b>14.9</b>	mg/L	1.0	0.50	1		08/16/21 09:04	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: <b>GWC-18</b>		Lab ID: <b>92554829012</b>		Collected: 08/10/21 14:20	Received: 08/11/21 10:35	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:08		
pH	<b>7.40</b>	Std. Units			1		08/11/21 15:08		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>48.2</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 18:45	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 16:14	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:14	7440-38-2	
Barium	<b>0.093</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 16:14	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/17/21 18:43	7440-41-7	
Boron	<b>0.14</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/17/21 18:43	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 16:14	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:14	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 16:14	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 16:14	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 16:14	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 16:14	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 16:14	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 16:14	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 16:14	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 16:14	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 16:14	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>224</b>	mg/L	10.0	10.0	1		08/17/21 08:09		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>0.93J</b>	mg/L	1.0	0.60	1		08/16/21 09:20	16887-00-6	
Fluoride	<b>0.11</b>	mg/L	0.10	0.050	1		08/16/21 09:20	16984-48-8	
Sulfate	<b>10.3</b>	mg/L	1.0	0.50	1		08/16/21 09:20	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: <b>GWC-19</b> Lab ID: <b>92554829013</b> Collected: 08/10/21 15:45 Received: 08/11/21 10:35 Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:09		
pH	<b>7.49</b>	Std. Units			1		08/11/21 15:09		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>44.9</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 18:50	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 16:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:20	7440-38-2	
Barium	<b>0.14</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 16:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 16:20	7440-41-7	
Boron	<b>0.14</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 16:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 16:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 16:20	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 16:20	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 16:20	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 16:20	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 16:20	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 16:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 16:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 16:20	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 16:20	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>209</b>	mg/L	10.0	10.0	1		08/17/21 08:09		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.2</b>	mg/L	1.0	0.60	1		08/16/21 09:35	16887-00-6	
Fluoride	<b>0.11</b>	mg/L	0.10	0.050	1		08/16/21 09:35	16984-48-8	
Sulfate	<b>17.8</b>	mg/L	1.0	0.50	1		08/16/21 09:35	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: GWC-20		Lab ID: 92554829014		Collected: 08/10/21 16:02		Received: 08/11/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	CUSTOMER				1		08/11/21 15:09		
pH	7.31	Std. Units			1		08/11/21 15:09		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	62.0	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 18:55	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 16:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:26	7440-38-2	
Barium	0.14	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 16:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 16:26	7440-41-7	
Boron	0.013J	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 16:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 16:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 16:26	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 16:26	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 16:26	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 16:26	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 16:26	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 16:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 16:26	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 16:26	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 16:26	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	270	mg/L	10.0	10.0	1		08/17/21 08:09		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.2	mg/L	1.0	0.60	1		08/16/21 10:22	16887-00-6	
Fluoride	0.066J	mg/L	0.10	0.050	1		08/16/21 10:22	16984-48-8	
Sulfate	66.4	mg/L	1.0	0.50	1		08/16/21 10:22	14808-79-8	M1

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: <b>GWC-21</b>		Lab ID: <b>92554829015</b>		Collected: 08/10/21 16:13	Received: 08/11/21 10:35	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:09		
pH	<b>6.05</b>	Std. Units			1		08/11/21 15:09		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>29.7</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 19:00	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 16:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:31	7440-38-2	
Barium	<b>0.057</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 16:31	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/13/21 16:31	7440-41-7	
Boron	<b>0.026J</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 16:31	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 16:31	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 16:31	7440-47-3	
Cobalt	<b>0.0041J</b>	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 16:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 16:31	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 16:31	7439-92-1	
Nickel	<b>0.0076</b>	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 16:31	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 16:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 16:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 16:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 16:31	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 16:31	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>121</b>	mg/L	10.0	10.0	1		08/17/21 08:09		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>2.0</b>	mg/L	1.0	0.60	1		08/16/21 11:08	16887-00-6	
Fluoride	ND	mg/L	0.10	0.050	1		08/16/21 11:08	16984-48-8	
Sulfate	<b>23.8</b>	mg/L	1.0	0.50	1		08/16/21 11:08	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: GWC-22		Lab ID: 92554829016		Collected: 08/10/21 14:02		Received: 08/11/21 10:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:09		
pH	<b>7.75</b>	Std. Units			1		08/11/21 15:09		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>48.1</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 19:04	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 17:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 17:20	7440-38-2	
Barium	<b>0.091</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 17:20	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/16/21 14:01	7440-41-7	
Boron	<b>0.057</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 17:20	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 17:20	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 17:20	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 17:20	7440-48-4	
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 17:20	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 17:20	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 17:20	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 17:20	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 17:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 17:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 17:20	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 17:20	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>206</b>	mg/L	10.0	10.0	1		08/17/21 08:09		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.1</b>	mg/L	1.0	0.60	1		08/16/21 11:24	16887-00-6	
Fluoride	<b>0.071J</b>	mg/L	0.10	0.050	1		08/16/21 11:24	16984-48-8	
Sulfate	<b>6.2</b>	mg/L	1.0	0.50	1		08/16/21 11:24	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: <b>GWC-23</b>		Lab ID: <b>92554829017</b>		Collected: 08/10/21 10:04	Received: 08/11/21 10:35	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		08/11/21 15:09		
pH	<b>6.96</b>	Std. Units			1		08/11/21 15:09		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>48.2</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 19:09	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 17:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 17:26	7440-38-2	
Barium	<b>0.085</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 17:26	7440-39-3	
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/16/21 14:07	7440-41-7	
Boron	<b>0.027J</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 17:26	7440-42-8	
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 17:26	7440-43-9	
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 17:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 17:26	7440-48-4	
Copper	<b>0.00078J</b>	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 17:26	7440-50-8	
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 17:26	7439-92-1	
Nickel	<b>0.00080J</b>	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 17:26	7440-02-0	
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 17:26	7782-49-2	
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 17:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 17:26	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 17:26	7440-62-2	
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 17:26	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>178</b>	mg/L	10.0	10.0	1		08/17/21 08:09		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.0</b>	mg/L	1.0	0.60	1		08/16/21 11:39	16887-00-6	
Fluoride	<b>0.087J</b>	mg/L	0.10	0.050	1		08/16/21 11:39	16984-48-8	
Sulfate	<b>8.0</b>	mg/L	1.0	0.50	1		08/16/21 11:39	14808-79-8	

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: DUP-5		Lab ID: 92554829018		Collected: 08/10/21 00:00	Received: 08/11/21 10:35	Matrix: Water				
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6010D ATL ICP</b>		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	<b>46.3</b>	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 19:29	7440-70-2		
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 17:37	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 17:37	7440-38-2		
Barium	<b>0.13</b>	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 17:37	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/16/21 14:13	7440-41-7		
Boron	<b>0.036J</b>	mg/L	0.040	0.0086	1	08/12/21 11:52	08/16/21 14:13	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 17:37	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 17:37	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 17:37	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 17:37	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 17:37	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 17:37	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 17:37	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 17:37	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 17:37	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 17:37	7440-62-2		
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 17:37	7440-66-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	<b>185</b>	mg/L	10.0	10.0	1		08/17/21 10:01			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	<b>1.2</b>	mg/L	1.0	0.60	1		08/16/21 11:55	16887-00-6		
Fluoride	<b>0.080J</b>	mg/L	0.10	0.050	1		08/16/21 11:55	16984-48-8		
Sulfate	<b>15.1</b>	mg/L	1.0	0.50	1		08/16/21 11:55	14808-79-8		

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: EB-5		Lab ID: 92554829019		Collected: 08/10/21 16:40	Received: 08/11/21 10:35	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
<b>6010D ATL ICP</b>		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 19:33	7440-70-2		
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 17:43	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 17:43	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 17:43	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/16/21 14:19	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 17:43	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 17:43	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 17:43	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 17:43	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 17:43	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 17:43	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 17:43	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 17:43	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 17:43	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 17:43	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 17:43	7440-62-2		
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 17:43	7440-66-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/17/21 10:01			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/16/21 12:10	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/16/21 12:10	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		08/16/21 12:10	14808-79-8		

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Sample: FB-5		Lab ID: 92554829020		Collected: 08/10/21 16:35	Received: 08/11/21 10:35	Matrix: Water				
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual	
<b>6010D ATL ICP</b>		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA								
Calcium	ND	mg/L	1.0	0.12	1	08/12/21 12:21	08/12/21 19:38	7440-70-2		
<b>6020 MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA								
Antimony	ND	mg/L	0.0030	0.00078	1	08/12/21 11:52	08/13/21 17:49	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 17:49	7440-38-2		
Barium	ND	mg/L	0.0050	0.00067	1	08/12/21 11:52	08/13/21 17:49	7440-39-3		
Beryllium	ND	mg/L	0.00050	0.000054	1	08/12/21 11:52	08/16/21 14:24	7440-41-7		
Boron	ND	mg/L	0.040	0.0086	1	08/12/21 11:52	08/13/21 17:49	7440-42-8		
Cadmium	ND	mg/L	0.00050	0.00011	1	08/12/21 11:52	08/13/21 17:49	7440-43-9		
Chromium	ND	mg/L	0.0050	0.0011	1	08/12/21 11:52	08/13/21 17:49	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00039	1	08/12/21 11:52	08/13/21 17:49	7440-48-4		
Copper	ND	mg/L	0.0050	0.00050	1	08/12/21 11:52	08/13/21 17:49	7440-50-8		
Lead	ND	mg/L	0.0010	0.00089	1	08/12/21 11:52	08/13/21 17:49	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00071	1	08/12/21 11:52	08/13/21 17:49	7440-02-0		
Selenium	ND	mg/L	0.0050	0.0014	1	08/12/21 11:52	08/13/21 17:49	7782-49-2		
Silver	ND	mg/L	0.0050	0.00044	1	08/12/21 11:52	08/13/21 17:49	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00018	1	08/12/21 11:52	08/13/21 17:49	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0019	1	08/12/21 11:52	08/13/21 17:49	7440-62-2		
Zinc	ND	mg/L	0.010	0.0070	1	08/12/21 11:52	08/13/21 17:49	7440-66-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		08/17/21 10:01			
<b>300.0 IC Anions 28 Days</b>		Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	ND	mg/L	1.0	0.60	1		08/16/21 12:26	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		08/16/21 12:26	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		08/16/21 12:26	14808-79-8		

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### QUALITY CONTROL DATA

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

QC Batch: 639885	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92554829001

METHOD BLANK: 3358486 Matrix: Water

Associated Lab Samples: 92554829001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/12/21 16:35	

LABORATORY CONTROL SAMPLE: 3358487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	109	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3358488 3358489

Parameter	Units	3358488		3358489		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	20.2	1	21.1	21.5	87	131	75-125	2	20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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**QUALITY CONTROL DATA**

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92554829

QC Batch: 639905

Analysis Method: EPA 6010D

QC Batch Method: EPA 3010A

Analysis Description: 6010D ATL

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92554829002, 92554829003, 92554829004, 92554829005, 92554829006, 92554829007, 92554829008, 92554829009, 92554829010, 92554829011, 92554829012, 92554829013, 92554829014, 92554829015, 92554829016, 92554829017, 92554829018, 92554829019, 92554829020

METHOD BLANK: 3358589

Matrix: Water

Associated Lab Samples: 92554829002, 92554829003, 92554829004, 92554829005, 92554829006, 92554829007, 92554829008, 92554829009, 92554829010, 92554829011, 92554829012, 92554829013, 92554829014, 92554829015, 92554829016, 92554829017, 92554829018, 92554829019, 92554829020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.12	08/12/21 17:13	

LABORATORY CONTROL SAMPLE: 3358590

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	104	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3358591 3358592

Parameter	Units	3358591		3358592		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	49.9	1	1	51.5	50.3	155	39	75-125	2	20 M1

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**REPORT OF LABORATORY ANALYSIS**

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**QUALITY CONTROL DATA**

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

QC Batch: 639886 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92554829001, 92554829002, 92554829003, 92554829004, 92554829005, 92554829006, 92554829007, 92554829008, 92554829009, 92554829010, 92554829011, 92554829012, 92554829013, 92554829014, 92554829015, 92554829016, 92554829017, 92554829018, 92554829019, 92554829020

METHOD BLANK: 3358493 Matrix: Water  
Associated Lab Samples: 92554829001, 92554829002, 92554829003, 92554829004, 92554829005, 92554829006, 92554829007, 92554829008, 92554829009, 92554829010, 92554829011, 92554829012, 92554829013, 92554829014, 92554829015, 92554829016, 92554829017, 92554829018, 92554829019, 92554829020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00078	08/13/21 14:29	
Arsenic	mg/L	ND	0.0050	0.0011	08/13/21 14:29	
Barium	mg/L	ND	0.0050	0.00067	08/13/21 14:29	
Beryllium	mg/L	ND	0.00050	0.000054	08/13/21 14:29	
Boron	mg/L	ND	0.040	0.0086	08/13/21 14:29	
Cadmium	mg/L	ND	0.00050	0.00011	08/13/21 14:29	
Chromium	mg/L	ND	0.0050	0.0011	08/13/21 14:29	
Cobalt	mg/L	ND	0.0050	0.00039	08/13/21 14:29	
Copper	mg/L	ND	0.0050	0.00050	08/13/21 14:29	
Lead	mg/L	ND	0.0010	0.00089	08/13/21 14:29	
Nickel	mg/L	ND	0.0050	0.00071	08/13/21 14:29	
Selenium	mg/L	ND	0.0050	0.0014	08/13/21 14:29	
Silver	mg/L	ND	0.0050	0.00044	08/13/21 14:29	
Thallium	mg/L	ND	0.0010	0.00018	08/13/21 14:29	
Vanadium	mg/L	ND	0.010	0.0019	08/13/21 14:29	
Zinc	mg/L	ND	0.010	0.0070	08/13/21 14:29	

LABORATORY CONTROL SAMPLE: 3358494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.11	107	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.095	95	80-120	
Boron	mg/L	1	0.96	96	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.10	101	80-120	
Cobalt	mg/L	0.1	0.099	99	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.097	97	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	
Vanadium	mg/L	0.1	0.10	100	80-120	

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### QUALITY CONTROL DATA

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

LABORATORY CONTROL SAMPLE: 3358494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Zinc	mg/L	0.1	0.10	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3358495 3358496

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result						
Antimony	mg/L	0.1	ND	0.1	0.11	110	110	75-125	1	20	
Arsenic	mg/L	0.1	ND	0.1	0.099	99	101	75-125	2	20	
Barium	mg/L	0.1	0.046	0.1	0.15	101	104	75-125	2	20	
Beryllium	mg/L	0.1	ND	0.1	0.11	106	102	75-125	4	20	
Boron	mg/L	1	0.021J	1	1.1	104	101	75-125	3	20	
Cadmium	mg/L	0.1	ND	0.1	0.10	102	103	75-125	0	20	
Chromium	mg/L	0.1	ND	0.1	0.10	102	104	75-125	2	20	
Cobalt	mg/L	0.1	ND	0.1	0.10	101	99	75-125	2	20	
Copper	mg/L	0.1	ND	0.1	0.10	102	101	75-125	2	20	
Lead	mg/L	0.1	ND	0.1	0.098	98	102	75-125	4	20	
Nickel	mg/L	0.1	ND	0.1	0.10	102	102	75-125	0	20	
Selenium	mg/L	0.1	ND	0.1	0.099	99	96	75-125	3	20	
Silver	mg/L	0.1	ND	0.1	0.10	102	104	75-125	2	20	
Thallium	mg/L	0.1	ND	0.1	0.098	98	102	75-125	4	20	
Vanadium	mg/L	0.1	0.0019J	0.1	0.11	104	108	75-125	4	20	
Zinc	mg/L	0.1	ND	0.1	0.10	104	104	75-125	0	20	

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### QUALITY CONTROL DATA

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

QC Batch: 639828      Analysis Method: SM 2540C-2011  
QC Batch Method: SM 2540C-2011      Analysis Description: 2540C Total Dissolved Solids  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92554829002, 92554829004

METHOD BLANK: 3358246      Matrix: Water  
Associated Lab Samples: 92554829002, 92554829004

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/13/21 09:50	

LABORATORY CONTROL SAMPLE: 3358247

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	379	95	90-111	

SAMPLE DUPLICATE: 3358248

Parameter	Units	92554090022 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

SAMPLE DUPLICATE: 3358249

Parameter	Units	92554551007 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	ND	ND		10	

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### QUALITY CONTROL DATA

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

QC Batch: 640326 Analysis Method: SM 2540C-2011  
QC Batch Method: SM 2540C-2011 Analysis Description: 2540C Total Dissolved Solids  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92554829005, 92554829006, 92554829007, 92554829008, 92554829009, 92554829010, 92554829011, 92554829012, 92554829013, 92554829014, 92554829015, 92554829016, 92554829017

METHOD BLANK: 3360770 Matrix: Water  
Associated Lab Samples: 92554829005, 92554829006, 92554829007, 92554829008, 92554829009, 92554829010, 92554829011, 92554829012, 92554829013, 92554829014, 92554829015, 92554829016, 92554829017

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/17/21 08:07	

LABORATORY CONTROL SAMPLE: 3360771

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	422	106	90-111	

SAMPLE DUPLICATE: 3360772

Parameter	Units	92554621003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	20600	20500	1	10	

SAMPLE DUPLICATE: 3360773

Parameter	Units	92554829012 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	224	217	3	10	

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### QUALITY CONTROL DATA

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92554829

QC Batch: 640771	Analysis Method: SM 2540C-2011
QC Batch Method: SM 2540C-2011	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92554829001, 92554829003

METHOD BLANK: 3363114 Matrix: Water

Associated Lab Samples: 92554829001, 92554829003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/16/21 17:05	

LABORATORY CONTROL SAMPLE: 3363115

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	391	98	90-111	

SAMPLE DUPLICATE: 3363116

Parameter	Units	92554829001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	96.0	96.0	0	10	

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### QUALITY CONTROL DATA

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

QC Batch: 640773      Analysis Method: SM 2540C-2011  
QC Batch Method: SM 2540C-2011      Analysis Description: 2540C Total Dissolved Solids  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92554829018, 92554829019, 92554829020

METHOD BLANK: 3363170      Matrix: Water  
Associated Lab Samples: 92554829018, 92554829019, 92554829020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	08/17/21 10:00	

LABORATORY CONTROL SAMPLE: 3363171

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	394	98	90-111	

SAMPLE DUPLICATE: 3363172

Parameter	Units	92554829018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	185	197	6	10	

SAMPLE DUPLICATE: 3363173

Parameter	Units	92554551017 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	120	124	3	10	

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### QUALITY CONTROL DATA

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

QC Batch: 640537 Analysis Method: EPA 300.0 Rev 2.1 1993  
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions  
Laboratory: Pace Analytical Services - Asheville  
Associated Lab Samples: 92554829001, 92554829002, 92554829003

METHOD BLANK: 3361795 Matrix: Water  
Associated Lab Samples: 92554829001, 92554829002, 92554829003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/15/21 21:41	
Fluoride	mg/L	ND	0.10	0.050	08/15/21 21:41	
Sulfate	mg/L	ND	1.0	0.50	08/15/21 21:41	

LABORATORY CONTROL SAMPLE: 3361796

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.3	105	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	54.4	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3361797 3361798

Parameter	Units	92555375001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	15.1	50	50	68.1	68.3	106	106	90-110	0	10		
Fluoride	mg/L	0.23	2.5	2.5	2.9	2.9	108	108	90-110	0	10		
Sulfate	mg/L	5.2	50	50	60.2	60.6	110	111	90-110	1	10	M1	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3361799 3361800

Parameter	Units	92555487008		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec					
Chloride	mg/L	1.3	50	50	55.4	41.9	108	81	90-110	28	10	M1,R1	
Fluoride	mg/L	ND	2.5	2.5	2.8	2.2	111	89	90-110	22	10	M1,R1	
Sulfate	mg/L	1.3	50	50	57.5	43.6	112	85	90-110	27	10	M1,R1	

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### QUALITY CONTROL DATA

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

QC Batch: 640540 Analysis Method: EPA 300.0 Rev 2.1 1993  
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions  
Laboratory: Pace Analytical Services - Asheville  
Associated Lab Samples: 92554829004, 92554829005, 92554829006, 92554829008, 92554829009, 92554829010, 92554829011, 92554829012, 92554829013, 92554829014, 92554829015, 92554829016, 92554829017, 92554829018, 92554829019, 92554829020

METHOD BLANK: 3361802 Matrix: Water  
Associated Lab Samples: 92554829004, 92554829005, 92554829006, 92554829008, 92554829009, 92554829010, 92554829011, 92554829012, 92554829013, 92554829014, 92554829015, 92554829016, 92554829017, 92554829018, 92554829019, 92554829020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/16/21 05:27	
Fluoride	mg/L	ND	0.10	0.050	08/16/21 05:27	
Sulfate	mg/L	ND	1.0	0.50	08/16/21 05:27	

LABORATORY CONTROL SAMPLE: 3361803

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	52.8	106	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	55.0	110	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3361804 3361805

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92554829004 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	3.0	50	50	54.3	58.2	103	111	90-110	7	10 M1
Fluoride	mg/L	0.12	2.5	2.5	2.7	2.9	103	113	90-110	9	10 M1
Sulfate	mg/L	106	50	50	166	168	121	124	90-110	1	10 M1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3361806 3361807

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92554829014 Result	Spike Conc.	Spike Conc.	Result						
Chloride	mg/L	1.2	50	50	53.3	55.6	104	109	90-110	4	10
Fluoride	mg/L	0.066J	2.5	2.5	2.6	2.7	103	107	90-110	4	10
Sulfate	mg/L	66.4	50	50	98.9	95.0	65	57	90-110	4	10 M1

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### QUALITY CONTROL DATA

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

QC Batch: 641348 Analysis Method: EPA 300.0 Rev 2.1 1993  
QC Batch Method: EPA 300.0 Rev 2.1 1993 Analysis Description: 300.0 IC Anions  
Laboratory: Pace Analytical Services - Asheville

Associated Lab Samples: 92554829007

METHOD BLANK: 3366287 Matrix: Water  
Associated Lab Samples: 92554829007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	08/19/21 09:37	
Fluoride	mg/L	ND	0.10	0.050	08/19/21 09:37	
Sulfate	mg/L	ND	1.0	0.50	08/19/21 09:37	

LABORATORY CONTROL SAMPLE: 3366288

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.1	106	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	53.3	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3366289 3366290

Parameter	Units	92555934006		3366289		3366290		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	2.9	2.9	50	50	52.3	57.3	99	109	90-110	9	10	
Fluoride	mg/L	0.12	0.12	2.5	2.5	2.6	2.8	99	108	90-110	8	10	
Sulfate	mg/L	11.0	11.0	50	50	59.8	64.7	98	107	90-110	8	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3366291 3366292

Parameter	Units	92555937007		3366291		3366292		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	20.0	20.0	50	50	71.7	72.5	103	105	90-110	1	10	
Fluoride	mg/L	ND	ND	2.5	2.5	2.3	2.3	90	91	90-110	2	10	
Sulfate	mg/L	34.1	34.1	50	50	84.9	85.7	102	103	90-110	1	10	

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## QUALIFIERS

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92554829

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

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**QUALITY CONTROL DATA CROSS REFERENCE TABLE**

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92554829001	GWA-1				
92554829002	GWA-2				
92554829003	GWA-3				
92554829004	GWA-4				
92554829005	GWA-11				
92554829006	GWC-5				
92554829007	GWC-6				
92554829008	GWC-7				
92554829009	GWC-8				
92554829010	GWC-9				
92554829011	GWC-10				
92554829012	GWC-18				
92554829013	GWC-19				
92554829014	GWC-20				
92554829015	GWC-21				
92554829016	GWC-22				
92554829017	GWC-23				
92554829001	GWA-1	EPA 3010A	639885	EPA 6010D	639970
92554829002	GWA-2	EPA 3010A	639905	EPA 6010D	640004
92554829003	GWA-3	EPA 3010A	639905	EPA 6010D	640004
92554829004	GWA-4	EPA 3010A	639905	EPA 6010D	640004
92554829005	GWA-11	EPA 3010A	639905	EPA 6010D	640004
92554829006	GWC-5	EPA 3010A	639905	EPA 6010D	640004
92554829007	GWC-6	EPA 3010A	639905	EPA 6010D	640004
92554829008	GWC-7	EPA 3010A	639905	EPA 6010D	640004
92554829009	GWC-8	EPA 3010A	639905	EPA 6010D	640004
92554829010	GWC-9	EPA 3010A	639905	EPA 6010D	640004
92554829011	GWC-10	EPA 3010A	639905	EPA 6010D	640004
92554829012	GWC-18	EPA 3010A	639905	EPA 6010D	640004
92554829013	GWC-19	EPA 3010A	639905	EPA 6010D	640004
92554829014	GWC-20	EPA 3010A	639905	EPA 6010D	640004
92554829015	GWC-21	EPA 3010A	639905	EPA 6010D	640004
92554829016	GWC-22	EPA 3010A	639905	EPA 6010D	640004
92554829017	GWC-23	EPA 3010A	639905	EPA 6010D	640004
92554829018	DUP-5	EPA 3010A	639905	EPA 6010D	640004
92554829019	EB-5	EPA 3010A	639905	EPA 6010D	640004
92554829020	FB-5	EPA 3010A	639905	EPA 6010D	640004
92554829001	GWA-1	EPA 3005A	639886	EPA 6020B	640010
92554829002	GWA-2	EPA 3005A	639886	EPA 6020B	640010
92554829003	GWA-3	EPA 3005A	639886	EPA 6020B	640010
92554829004	GWA-4	EPA 3005A	639886	EPA 6020B	640010
92554829005	GWA-11	EPA 3005A	639886	EPA 6020B	640010
92554829006	GWC-5	EPA 3005A	639886	EPA 6020B	640010
92554829007	GWC-6	EPA 3005A	639886	EPA 6020B	640010
92554829008	GWC-7	EPA 3005A	639886	EPA 6020B	640010
92554829009	GWC-8	EPA 3005A	639886	EPA 6020B	640010
92554829010	GWC-9	EPA 3005A	639886	EPA 6020B	640010

**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92554829011	GWC-10	EPA 3005A	639886	EPA 6020B	640010
92554829012	GWC-18	EPA 3005A	639886	EPA 6020B	640010
92554829013	GWC-19	EPA 3005A	639886	EPA 6020B	640010
92554829014	GWC-20	EPA 3005A	639886	EPA 6020B	640010
92554829015	GWC-21	EPA 3005A	639886	EPA 6020B	640010
92554829016	GWC-22	EPA 3005A	639886	EPA 6020B	640010
92554829017	GWC-23	EPA 3005A	639886	EPA 6020B	640010
92554829018	DUP-5	EPA 3005A	639886	EPA 6020B	640010
92554829019	EB-5	EPA 3005A	639886	EPA 6020B	640010
92554829020	FB-5	EPA 3005A	639886	EPA 6020B	640010
92554829001	GWA-1	SM 2540C-2011	640771		
92554829002	GWA-2	SM 2540C-2011	639828		
92554829003	GWA-3	SM 2540C-2011	640771		
92554829004	GWA-4	SM 2540C-2011	639828		
92554829005	GWA-11	SM 2540C-2011	640326		
92554829006	GWC-5	SM 2540C-2011	640326		
92554829007	GWC-6	SM 2540C-2011	640326		
92554829008	GWC-7	SM 2540C-2011	640326		
92554829009	GWC-8	SM 2540C-2011	640326		
92554829010	GWC-9	SM 2540C-2011	640326		
92554829011	GWC-10	SM 2540C-2011	640326		
92554829012	GWC-18	SM 2540C-2011	640326		
92554829013	GWC-19	SM 2540C-2011	640326		
92554829014	GWC-20	SM 2540C-2011	640326		
92554829015	GWC-21	SM 2540C-2011	640326		
92554829016	GWC-22	SM 2540C-2011	640326		
92554829017	GWC-23	SM 2540C-2011	640326		
92554829018	DUP-5	SM 2540C-2011	640773		
92554829019	EB-5	SM 2540C-2011	640773		
92554829020	FB-5	SM 2540C-2011	640773		
92554829001	GWA-1	EPA 300.0 Rev 2.1 1993	640537		
92554829002	GWA-2	EPA 300.0 Rev 2.1 1993	640537		
92554829003	GWA-3	EPA 300.0 Rev 2.1 1993	640537		
92554829004	GWA-4	EPA 300.0 Rev 2.1 1993	640540		
92554829005	GWA-11	EPA 300.0 Rev 2.1 1993	640540		
92554829006	GWC-5	EPA 300.0 Rev 2.1 1993	640540		
92554829007	GWC-6	EPA 300.0 Rev 2.1 1993	641348		
92554829008	GWC-7	EPA 300.0 Rev 2.1 1993	640540		
92554829009	GWC-8	EPA 300.0 Rev 2.1 1993	640540		
92554829010	GWC-9	EPA 300.0 Rev 2.1 1993	640540		
92554829011	GWC-10	EPA 300.0 Rev 2.1 1993	640540		
92554829012	GWC-18	EPA 300.0 Rev 2.1 1993	640540		
92554829013	GWC-19	EPA 300.0 Rev 2.1 1993	640540		
92554829014	GWC-20	EPA 300.0 Rev 2.1 1993	640540		

### REPORT OF LABORATORY ANALYSIS

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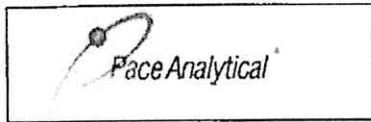
### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92554829

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92554829015	GWC-21	EPA 300.0 Rev 2.1 1993	640540		
92554829016	GWC-22	EPA 300.0 Rev 2.1 1993	640540		
92554829017	GWC-23	EPA 300.0 Rev 2.1 1993	640540		
92554829018	DUP-5	EPA 300.0 Rev 2.1 1993	640540		
92554829019	EB-5	EPA 300.0 Rev 2.1 1993	640540		
92554829020	FB-5	EPA 300.0 Rev 2.1 1993	640540		

### REPORT OF LABORATORY ANALYSIS

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Document Name:  
**Sample Condition Upon Receipt(SCUR)**  
 Document No.:  
**F-CAR-CS-033-Rev.07**

Document Revised: October 28, 2020  
 Page 1 of 2  
 Issuing Authority:  
 Pace Carolinas Quality Office

**Laboratory receiving samples:**

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition  
 Upon Receipt

Client Name:

*GA power*

Project #

**WO# : 92554829**



Courier:  Fed Ex  UPS  USPS  Client  
 Commercial  Pace  Other: \_\_\_\_\_

Custody Seal Present?  Yes  No    Seals Intact?  Yes  No

Date/Initials Person Examining Contents: *MT 8/11/20*

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?

Yes  No  N/A

Thermometer:

IR Gun ID: *083*

Type of Ice:

Wet  Blue  None

Cooler Temp: *4.1*

Correction Factor:  
 Add/Subtract (°C) *± 0*

Temp should be above freezing to 6°C

Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): *4.1*

USDA Regulated Soil (  N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?

Yes  No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)?  Yes  No

	Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8.
Sample Labels Match COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <i>MT</i>	
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required?  Yes  No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_ Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_ Date: \_\_\_\_\_



\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.  
 Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

Project # **WO# : 92554829**  
 PM: NMG Due Date: 08/25/21  
 CLIENT: GA-GA Power

\*\*Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGJU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																												
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12																												

pH Adjustment Log for Preserved Samples						
Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).



Document Name:  
**Sample Condition Upon Receipt(SCUR)**  
 Document No.:  
**F-CAR-CS-033-Rev.07**

Document Revised: October 28, 2020  
 Page 2 of 2  
 Issuing Authority:  
 Pace Carolinas Quality Office

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

\*\*Bottom half of box is to list number of bottles

Project #

**WO# : 92554829**

PM: NMG

Due Date: 08/25/21

CLIENT: GA-GA Power

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGJU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	VSGU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)		
1																													
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12																													

**pH Adjustment Log for Preserved Samples**

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers).

<b>Section A</b> Required Client Information Company: GA Power Address: Atlanta, GA	<b>Section B</b> Required Project Information Report To: SCS Contacts Copy To: Geosyntec Contacts	<b>Section C</b> Invoice Information: Attention: Southern Co. Company Name Address: Purchase Order No.: Project Name: Huffaker Road Landfill Project Number:	<b>REGULATORY AGENCY</b> NPDES _____ GROUND WATER _____ DRINKING WATER _____ UST _____ RCRA _____ OTHER CCR _____ Site Location: _____ STATE: GA
Email To: SCS Contacts Phone: _____ Requested Due Date/TAT: 10 Day	Purchase Order No.: Project Name: Huffaker Road Landfill Project Number:	Address: Pace Quality Reference: Pace Project Manager: Pace Profile #: 10839	

ITEM #	Section D Required Client Information Valid Matrix Codes MATERIAL CODE WATER DW WASTE WATER WW PRODUCT F SOIL/SLURRY SL GAS OR WIPE WIP AIR AB OTHER OT TSS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-CRAB C-COMP)	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives					Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
										UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH				
1		GWA-1	WT G	8/9/21	15:39			21	3	2	1					X		pH = 7.23
2		GWA-2	WT G	8/9/21	14:00			24	3	2	1					X		pH = 6.90
3		GWA-3	WT G	8/9/21	15:35			24	3	2	1					X		pH = 6.89
4		GWA-4	WT G	8/9/21	14:23			22	3	2	1					X		pH = 6.76
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		

ADDITIONAL COMMENTS Please note dry wells, strikes throughout any wells not sampled, and note when the last sample for the event has been taken.	RELINQUISHED BY / AFFILIATION Thomas Kessler / Pace Ryan Williams / Pace	DATE 8/11/21	TIME 10:35	ACCEPTED BY / AFFILIATION Ryan Williams / Pace	DATE 8/11/21	TIME 10:35	SAMPLE CONDITIONS Temp in °C _____ Received on Ice (Y/N) _____ Custody Sealed Cooler (Y/N) _____ Samples Intact (Y/N) _____
---	--	-----------------	---------------	---	-----------------	---------------	---

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Thomas Kessler / Aulley Reasby + ComeCon  
 SIGNATURE of SAMPLER: [Signature]  
 DATE signed (MM/DD/YY): 8/19

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to the charges of 1.5% per month for any invoices not paid within 30 days.  
 F-ALL-Q-020rev.07 15-Feb-2007

<b>Section A</b> Required Client Information: Company: GA Power Address: Atlanta, GA	<b>Section B</b> Required Project Information: Report To: SCS Contacts Copy To: Geosyntec Contacts	<b>Section C</b> Invoice Information: Attention: Southern Co. Company Name: Address: Purchase Order No.: Project Name: Huffaker Road Landfill Project Number:	REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> LIST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> DRINKING WATER <input type="checkbox"/> OTHER COP
Requested Dur Data/T: 12 day	Phone: SCS Contacts	Requested Analysis Filtered (Y/N)	Site Location: GA STATE: _____

ITEM #	Valid Matrix Codes Required Client Information WATER WASTE WATER PRODUCT SOLVENTS OIL WIPES AIR OTHER TSS	MATRIX CODE (see valid codes to list)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.		
				DATE	TIME			DATE	TIME	DATE	TIME	DATE	TIME					DATE	TIME
1		GWA-11	WT	G	8/10/21	09:20	18	3	2	1									
2		GWC-5	WT	G	8/10/21	09:45	23	3	2	1									
3		GWC-6	WT	G	8/10/21	11:55	22	3	2	1									
4		GWC-7	WT	G	8/10/21	11:35	25	3	2	1									
5		GWC-8	WT	G	8/10/21	13:44	22	3	2	1									
6		GWC-9	WT	G	8/10/21	13:05	23	3	2	1									
7		GWC-10	WT	G	8/10/21	11:58	19	3	2	1									
8		GWC-18	WT	G	8/10/21	14:20	23	3	2	1									
9		GWC-19	WT	G	8/10/21	15:45	25	3	2	1									
10		GWC-20	WT	G	8/10/21	15:02	22	3	2	1									
11		GWC-21	WT	G	8/10/21	15:13	22	3	2	1									
12		GWC-22	WT	G	8/10/21	14:02	22	3	2	1									

<b>ADDITIONAL COMMENTS</b> Please note dr wells, strike through any wells not sampled, and note when the last sample for the event has been taken.	<b>RELINQUISHED BY / AFFILIATION</b> Thomas Hester / Pace Dyan William / Pace	<b>DATE</b> 8/11/21	<b>TIME</b> 10:35	<b>ACCEPTED BY / AFFILIATION</b> Dyan William / Pace Thomas Hester	<b>DATE</b> 8/11/21	<b>TIME</b> 10:35	<b>SAMPLE CONDITIONS</b> Temp in °C: 41 Received on Ice (Y/N): Y Custody Sealed Cooler (Y/N): N Samples Intact (Y/N): Y
---	---	------------------------	----------------------	--	------------------------	----------------------	---

<b>SAMPLER NAME AND SIGNATURE</b> PRINT Name of SAMPLER: Thomas Hester / Pace SIGNATURE of SAMPLER: [Signature]	<b>DATE signed (MM/DD/YY):</b> 8/11/21
---	--

**CHAIN-OF-CUSTODY / Analytical Request Document**  
 The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information      Section B Required Project Information      Section C Invoice Information

Company: GA Power	Report To: SCS Contacts	Attention: Southern Co.
Address: Atlanta, GA	Copy To: Geosyntec Contacts	Company Name:
Email To: SCS Contacts	Purchase Order No.:	Address:
Phone:	Project Name: Huffaker Road Landfill	Place Order Reference:
Requested Due Date/ATI: 10 Day	Project Number:	Place Project Manager: Kevin Herring
		Place Profile #: 10839

**REGULATORY AGENCY**

NPDES  GROUND WATER  DRINKING WATER

UST  RCRA  OTHER

Site Location: \_\_\_\_\_ STATE: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G-CRAB C-COMP)	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Face Project No./ Lab I.D.	
											UNPRESERVED	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>					Methanol
1				WT G	8/10/21	10:04			19	3	2	1									
2				WT G	8/10/21	0:00			19	3	2	1									
3				WT G	8/10/21	18:40			19	3	2	1									
4				WT G	8/10/21	18:35			19	3	2	1									
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

**ADDITIONAL COMMENTS**

RELINQUISHED BY / AFFILIATION: *Thomas Hessler/Kees* DATE: *8/11* TIME: *13:55*

ACCEPTED BY / AFFILIATION: *Don Williams/Pace* DATE: *8/11/21* TIME: *10:35*

Temp in °C: \_\_\_\_\_ Received on Ice (Y/N): \_\_\_\_\_ Custody Sealed Cooler (Y/N): \_\_\_\_\_ Samples Intact (Y/N): \_\_\_\_\_

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: *John Thomas* SIGNATURE of SAMPLER: *[Signature]* DATE Signed (MM/DD/YYYY): *8/10/21*

PRINT Name of SAMPLER: *Thomas Hessler/Kees* SIGNATURE of SAMPLER: *[Signature]* DATE Signed (MM/DD/YYYY): *8/11/21*

\*Important Note: By signing this form you are accepting Face's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

FALL-Q-020rev.07, 15-Feb-2007

October 12, 2021

Joju Abraham  
Georgia Power-CCR  
2480 Maner Road  
Atlanta, GA 30339

RE: Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92564022

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on September 29, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Charlotte
- Pace Analytical Services - Peachtree Corners, GA

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole D'Oleo  
nicole.d'oleo@pacelabs.com  
(704)875-9092  
Project Manager

Enclosures

cc: Christine Hug, Geosyntec Consultants, Inc.  
Kristen Jurinko  
Thomas Kessler, Geosyntec  
Whitney Law, Geosyntec Consultants  
Noelia Muskus, Geosyntec Consultants  
Ms. Lauren Petty, Southern Company  
Nardos Tilahun, GeoSyntec  
Dawit Yifru, Geosyntec Consultants, Inc.



## REPORT OF LABORATORY ANALYSIS

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## CERTIFICATIONS

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92564022

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### **Pace Analytical Services Charlotte**

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078

Louisiana/NELAP Certification # LA170028

North Carolina Drinking Water Certification #: 37706

North Carolina Field Services Certification #: 5342

North Carolina Wastewater Certification #: 12

South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627

Kentucky UST Certification #: 84

Virginia/VELAP Certification #: 460221

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### **Pace Analytical Services Peachtree Corners**

110 Technology Pkwy, Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

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## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92564022

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Lab ID	Sample ID	Matrix	Date Collected	Date Received
92564022001	GWC-8	Water	09/28/21 11:16	09/29/21 11:50

### REPORT OF LABORATORY ANALYSIS

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### SAMPLE ANALYTE COUNT

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92564022

---

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92564022001	GWC-8	EPA 6020B	CW1, KH	2

---

PASI-C = Pace Analytical Services - Charlotte  
PASI-GA = Pace Analytical Services - Peachtree Corners, GA

### REPORT OF LABORATORY ANALYSIS

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### SUMMARY OF DETECTION

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92564022

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92564022001</b>	<b>GWC-8</b>					
	Performed by	CUSTOME			09/29/21 16:05	
	pH	R				
		6.77	Std. Units		09/29/21 16:05	
EPA 6020B	Barium	0.20	mg/L	0.025	10/11/21 14:27	
EPA 6020B	Nickel	0.00090J	mg/L	0.0050	10/08/21 21:27	

### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92564022

**Sample: GWC-8**      **Lab ID: 92564022001**      Collected: 09/28/21 11:16      Received: 09/29/21 11:50      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
Performed by	<b>CUSTOMER</b>				1		09/29/21 16:05		
pH	<b>6.77</b>	Std. Units			1		09/29/21 16:05		
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B    Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Barium	<b>0.20</b>	mg/L	0.025	0.0034	5	10/08/21 10:25	10/11/21 14:27	7440-39-3	
Nickel	<b>0.00090J</b>	mg/L	0.0050	0.00071	1	10/08/21 10:25	10/08/21 21:27	7440-02-0	

### REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92564022

QC Batch: 651684      Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A      Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92564022001

METHOD BLANK: 3417564      Matrix: Water  
Associated Lab Samples: 92564022001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	mg/L	ND	0.0050	0.00067	10/08/21 19:44	
Nickel	mg/L	ND	0.0050	0.00071	10/08/21 19:44	

LABORATORY CONTROL SAMPLE: 3417565

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	0.1	0.096	96	80-120	
Nickel	mg/L	0.1	0.093	93	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3417566      3417567

Parameter	Units	92563761001		3417566		3417567		% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec				
Barium	mg/L	0.025	0.1	0.1	0.12	0.12	96	98	75-125	2	20
Nickel	mg/L	ND	0.1	0.1	0.091	0.090	90	89	75-125	1	20

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

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## QUALIFIERS

Project: HUFFAKER ROAD LANDFILL

Pace Project No.: 92564022

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

Acid preservation may not be appropriate for 2 Chloroethylvinyl ether.

A separate vial preserved to a pH of 4-5 is recommended in SW846 Chapter 4 for the analysis of Acrolein and Acrylonitrile by EPA Method 8260.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## REPORT OF LABORATORY ANALYSIS

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### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HUFFAKER ROAD LANDFILL  
Pace Project No.: 92564022

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Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92564022001	GWC-8				
92564022001	GWC-8	EPA 3005A	651684	EPA 6020B	651759

### REPORT OF LABORATORY ANALYSIS

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Document Name:  
**Sample Condition Upon Receipt(SCUR)**  
 Document No.:  
**F-CAR-CS-033-Rev.07**

Document Revised: October 28, 2020  
 Page 1 of 2  
 Issuing Authority:  
 Pace Carolinas Quality Office

**Laboratory receiving samples:**

Asheville  Eden  Greenwood  Huntersville  Raleigh  Mechanicsville  Atlanta  Kernersville

Sample Condition  
Upon Receipt

Client Name:

*G A Power*

Project #:

**WO# : 92564022**

Courier:  Fed Ex  UPS  USPS  Client  
 Commercial  Pace  Other: \_\_\_\_\_



Custody Seal Present?  Yes  No Seals Intact?  Yes  No

Date/Initials Person Examining Contents: *9/29/21*  
*COB*

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Biological Tissue Frozen?  
 Yes  No  N/A

Thermometer:  IR Gun ID: *230* Type of Ice:  Wet  Blue  None

Cooler Temp: *1.8* Correction Factor: Add/Subtract (°C) *+0.1*

Temp should be above freezing to 6°C  
 Samples out of temp criteria. Samples on ice, cooling process has begun

Cooler Temp Corrected (°C): *1.9*

USDA Regulated Soil (  N/A, water sample)

Did samples originate in a quarantine zone within the United States: CA, NY, or SC (check maps)?  
 Yes  No

Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)?  Yes  No

	Comments/Discrepancy:
Chain of Custody Present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Short Hold Time Analysis (<72 hr.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	3.
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Sufficient Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	6.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Dissolved analysis: Samples Field Filtered? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	8.
Sample Labels Match COC? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Includes Date/Time/ID/Analysis Matrix: <i>W</i>	
Headspace in VOA Vials (>5-6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10.
Trip Blank Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	

COMMENTS/SAMPLE DISCREPANCY

Field Data Required?  Yes  No

Lot ID of split containers:

CLIENT NOTIFICATION/RESOLUTION

Person contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Project Manager SCURF Review: \_\_\_\_\_

Date: \_\_\_\_\_

Project Manager SRF Review: \_\_\_\_\_

Date: \_\_\_\_\_

\*Check mark top half of box if pH and/or dechlorination is verified and within the acceptance range for preservation samples.

Project #

**WO# : 92564022**

PM: NMG

Due Date: 10/13/21

Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC, LLHg

CLIENT: GA-GA Power

\*\*Bottom half of box is to list number of bottles

Item#	BP4U-125 mL Plastic Unpreserved (N/A) (Cl-)	BP3U-250 mL Plastic Unpreserved (N/A)	BP2U-500 mL Plastic Unpreserved (N/A)	BP1U-1 liter Plastic Unpreserved (N/A)	BP4S-125 mL Plastic H2SO4 (pH < 2) (Cl-)	BP3N-250 mL plastic HNO3 (pH < 2)	BP4Z-125 mL Plastic ZN Acetate & NaOH (>9)	BP4C-125 mL Plastic NaOH (pH > 12) (Cl-)	WGFU-Wide-mouthed Glass jar Unpreserved	AG1U-1 liter Amber Unpreserved (N/A) (Cl-)	AG1H-1 liter Amber HCl (pH < 2)	AG3U-250 mL Amber Unpreserved (N/A) (Cl-)	AG1S-1 liter Amber H2SO4 (pH < 2)	AG3S-250 mL Amber H2SO4 (pH < 2)	AG3A(DG3A)-250 mL Amber NH4Cl (N/A)(Cl-)	DG9H-40 mL VOA HCl (N/A)	VG9T-40 mL VOA Na2S2O3 (N/A)	VG9U-40 mL VOA Unp (N/A)	DG9P-40 mL VOA H3PO4 (N/A)	VOAK (6 vials per kit)-5035 kit (N/A)	V/GK (3 vials per kit)-VPH/Gas kit (N/A)	SP5T-125 mL Sterile Plastic (N/A - lab)	SP2T-250 mL Sterile Plastic (N/A - lab)	BP3A-250 mL Plastic (NH2)2SO4 (9.3-9.7)	AG0U-100 mL Amber Unpreserved vials (N/A)	V5GU-20 mL Scintillation vials (N/A)	DG9U-40 mL Amber Unpreserved vials (N/A)	
1																												
2																												
3																												
4																												
5																												
6																												
7																												
8																												
9																												
10																												
11																												
12																												

**pH Adjustment Log for Preserved Samples**

Sample ID	Type of Preservative	pH upon receipt	Date preservation adjusted	Time preservation adjusted	Amount of Preservative added	Lot #

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. Out of hold, incorrect preservative, out of temp, incorrect containers.



**CHAIN-OF-CUSTODY / Analytical Request Document**  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

<b>Section A</b> Required Client Information	<b>Section B</b> Required Project Information	<b>Section C</b> Invoice Information:	Page: 1 of 1
Company: GA Power	Report To: SCS Contacts	Attention: Southern Co.	
Address: Atlanta GA	Copy To: Geosynthetic Contacts	Company Name:	
Email To: SCS Contacts	Purchase Order No.:	Address:	
Phone:	Project Name: Huffaker Road Landfill	Rate Class:	
Requested Due Date/TAT: 3 Day	Fax:	Rate Project:	
	Project Number:	Reference:	
		Alerting:	
		Phone Profile #:	10839

REGULATORY AGENCY	Requested Analysis Filtered (Y/N)
NIDES <input type="checkbox"/>	
GROUND WATER <input type="checkbox"/>	
UST <input type="checkbox"/>	
RORA <input type="checkbox"/>	
DRINKING WATER <input type="checkbox"/>	
OTHER <input type="checkbox"/>	
Site Location	
STATE: GA	

ITEM #	Valid Matrix Codes		MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
	MATRIX	CODE			COMPOSITE	COMPOSITE					H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol				
1	WT	G	GWC-8	G	9/23/21	11:16			1	1							X			
2	WT	G																		
3	WT	G																		
4	WT	G																		
5	WT	G																		
6	WT	G																		
7	WT	G																		
8	WT	G																		
9	WT	G																		
10	WT	G																		
11	WT	G																		
12	WT	G																		

**Section D**  
Required Client Information

**Section E**  
Required Client Information

**Section F**  
Required Client Information

**Section G**  
Required Client Information

**Section H**  
Required Client Information

**Section I**  
Required Client Information

**Section J**  
Required Client Information

**Section K**  
Required Client Information

**Section L**  
Required Client Information

**Section M**  
Required Client Information

**Section N**  
Required Client Information

**Section O**  
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**Section P**  
Required Client Information

**Section Q**  
Required Client Information

**Section R**  
Required Client Information

**Section S**  
Required Client Information

**Section T**  
Required Client Information

**Section U**  
Required Client Information

**Section V**  
Required Client Information

**Section W**  
Required Client Information

**Section X**  
Required Client Information

**Section Y**  
Required Client Information

**Section Z**  
Required Client Information

**ADDITIONAL COMMENTS**

Please note dry wells, strike thorough any wells not sampled, and note when the last sample for the event has been taken.

RELINQUISHED BY / AFFILIATION: Thomas Kessler / GSOB DATE: 9/23/21 TIME: 11:50

ACCEPTED BY / AFFILIATION: Ryan Williams / Pac DATE: 9/23/21 TIME: 14:00

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Thomas Kessler

SIGNATURE of SAMPLER: [Signature]

DATE Signed (MM/DD/YYYY): 09/28/21

**SAMPLE CONDITIONS**

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

Pace Project No./ Lab ID. PH = 6.77

Test Sample

F-ALL-Q-020rev.07, 15-Feb-2007

# Data Validation Reports

## Memorandum

Date: April 16, 2021  
To: Whitney Law  
From: Kristoffer Henderson  
CC: J. Caprio  
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92526337**

**SITE: Plant Hammond Huffaker**

### INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of seventeen aqueous samples, one field duplicate, one equipment blank and one field blank, collected 8-10 March 2021, as part of the Plant Hammond Huffaker on-site sampling event.

The samples were analyzed at Pace Analytical Services Atlanta, Peachtree Corners, Georgia, for the following analytical tests:

- Calcium by United States (US) Environmental Protection Agency (EPA) Methods 3010A/6010D
- Metals by USEPA Methods 3005A/6020B
- Total Dissolved Solids (TDS) by Standard Method 2540C

The samples were analyzed at Pace Analytical Services Asheville, North Carolina, for the following analytical test:

- Anions (Chloride, Fluoride and Sulfate) by USEPA Method 300.0

### EXECUTIVE SUMMARY

Based on the Stage 2A data validation covering the quality control (QC) parameters listed below and the information provided, the data as qualified are usable for meeting project objectives. Qualified data should be used within the limitation of the qualification.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- USEPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006); and
- American National Standard, Verification and Validation of Radiological Data for use in Waste Management and Environmental Remediation, February 15, 2012 (ANSI/ANS-41.5-2012).

The following samples were analyzed and reported in the laboratory reports:

Laboratory ID	Client ID
92526337001	GWA-1
92526337002	GWA-3
92526337003	GWA-4
92526337004	GWA-11
92526337005	GWA-2
92526337006	GWC-5
92526337007	GWC-6
92526337008	GWC-7
92526337009	GWC-8
92526337010	GWC-9

Laboratory ID	Client ID
92526337011	GWC-10
92526337012	GWC-18
92526337013	GWC-21
92526337014	GWC-22
92526337015	GWC-23
92526337016	DUP-5
92526337017	EB-4
92526337018	FB-5
92527273001	GWC-19
92527273002	GWC-20

The samples were received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

A collection time was not documented on the chain of custody (COC) for field duplicate, DUP-05. DUP-05 was logged in with the collection time of 00:00.

Incorrect error corrections were observed on the chain of custody (COC), instead of the proper procedure of a single strike through, correction, and initials and date of person making the corrections

The field pH data included in the laboratory report were not validated.

## 1.0 METALS

The samples were analyzed for metals by USEPA methods 3010A/6010D and USEPA methods 3005A/6020B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

### **1.1 Overall Assessment**

The metals data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this dataset is 100%.

### **1.2 Holding Time**

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

### **1.3 Method Blank**

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four method blanks were reported (batches 607239, 607584, 607261 and 607620). Metals were not detected in the method blanks above the method detection limits (MDLs).

### **1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)**

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two sample set specific MS/MSD pairs were reported using samples GWA-1 and GWA-3. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

No qualifications were applied based on the MS/MSD recoveries if the sample concentration was greater than four times the spiked concentration.

Two batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

### **1.5 Laboratory Control Sample (LCS)**

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

### **1.6 Laboratory Duplicate**

Laboratory duplicates were not reported.

### **1.7 Equipment Blank**

One equipment blank was collected with the sample set, EB-4. Metals were not detected in the equipment blank above the MDLs.

### **1.8 Field Blank**

One field blank was collected with the sample set, FB-5. Metals were not detected in the field blank above the MDLs.

### **1.9 Field Duplicate**

One field duplicate sample was collected with the sample set, DUP-05. Acceptable precision (RPD  $\leq$  20% or the difference between the concentrations  $<$  RL) was demonstrated between the field duplicate and the original sample, GWC-6.

### **1.10 Sensitivity**

The samples were reported to the MDLs. No elevated nondetect results were reported.

### **1.11 Electronic Data Deliverable (EDD) Review**

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

## 2.0 WET CHEMISTRY

The samples were analyzed for TDS by Standard method 2540C and anions by USEPA method 300.0.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ⊗ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ⊗ Laboratory Duplicate
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

### 2.1 Overall Assessment

The wet chemistry data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for these analyses, for this dataset is 100%.

### 2.2 Holding Times

The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding time for the anions (chloride, fluoride, and sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.

### 2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four method blanks were reported for TDS (batches 605516, 606468, 606469 and 606587) and four method blanks were reported for the anions

(batches 606641, 606813, 606814 and 607170). The wet chemistry parameters were not detected in the method blanks above the MDLs.

## 2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two sample set specific MS/MSD pairs were reported for the anions using samples GWC-8 and GWC-9. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of sulfate in the MS/MSD pair using sample GWC-9 were low and outside of the laboratory specified acceptance criteria. Therefore, the sulfide concentration in sample GWC-9 was J- qualified as estimated with low bias.

Six batch MS/MSD pairs were reported for the anions. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
GWC-9	Sulfate	65.1	M1	65.1	J-	4

mg/L-milligrams per liter

M1-laboratory flag indicating MS recovery was outside the QC limits

\* Validation qualifiers are defined in Attachment 1 at the end of this report

\*\*Reason codes are defined in Attachment 2 at the end of this report

## 2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four LCSs were reported for TDS and four LCSs were reported for the anions. The recovery results were within the laboratory specified acceptance criteria.

## 2.6 Laboratory Duplicate

Four sample set specific laboratory duplicates were reported using samples GWA-3, GWA-2, GWC-23, and GWC-19. The RPD results were within the laboratory specified acceptance criteria with the following exceptions.

The relative percent difference (RPD) of TDS in the laboratory duplicates using samples GWA-2 and GWC-19 were high and outside of the laboratory specified acceptance criteria. Therefore, the TDS concentrations in samples GWA-2 and GWC-19 were J qualified as estimated.



Four batch laboratory duplicates were also reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
GWA-2	TDS	227	D6	227	J	12
GWC-19	TDS	223	D6	223	J	12

mg/L-milligrams per liter

D6-laboratory flag indicating the precision between the sample and sample duplicate exceeded the laboratory specified acceptance criteria

\* Validation qualifiers are defined in Attachment 1 at the end of this report

\*\*Reason codes are defined in Attachment 2 at the end of this report

### 2.7 Equipment Blank

One equipment blank was collected with the sample set, EB-4. The wet chemistry parameters were not detected in the equipment blank above the MDLs.

### 2.8 Field Blank

One field blank was collected with the sample set, FB-5. The wet chemistry parameters were not detected in the field blank above the MDL.

### 2.9 Field Duplicate

One field duplicate sample was collected with the sample set, DUP-05. Acceptable precision (RPD  $\leq$  20% or the difference between the concentrations  $<$  RL) was demonstrated between the field duplicate and the original sample, GWC-6.

### 2.10 Sensitivity

The samples were reported to the MDL. No elevated nondetect results were reported.

### 2.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

\* \* \* \* \*

**ATTACHMENT 1**  
**DATA VALIDATION QUALIFIER DEFINITIONS**  
**AND INTERPRETATION KEY**  
**Assigned by Geosyntec's Data Validation Team**

**DATA QUALIFIER DEFINITIONS**

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to “not detected at or above the reported result”.
  
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
  
- J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
  
- J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
  
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
  
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

**ATTACHMENT 2**  
**DATA VALIDATION REASON CODES**  
**Assigned by Geosyntec's Data Validation Team**

<b>Valid Value</b>	<b>Description</b>
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS or RPD recovery outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed or modified: no validation qualification required

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample duplicate

RPD - Relative percent difference

## Memorandum

Date: October 18, 2021  
To: Whitney Law  
From: Kristoffer Henderson  
CC: J. Caprio  
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92554829**

**SITE: Plant Hammond Huffaker**

### INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of seventeen aqueous samples, one field duplicate, one equipment blank and one field blank, collected 9-10 August 2021, as part of the Plant Hammond Huffaker on-site sampling event.

The samples were analyzed at Pace Analytical Services Atlanta, Peachtree Corners, Georgia, for the following analytical tests:

- Calcium by United States (US) Environmental Protection Agency (EPA) Methods 3010A/6010D
- Metals by US EPA Methods 3005A/6020B
- Total Dissolved Solids (TDS) by Standard Method 2540C

The samples were analyzed at Pace Analytical Services Asheville, North Carolina, for the following analytical test:

- Anions (Chloride, Fluoride and Sulfate) by US EPA Method 300.0

### EXECUTIVE SUMMARY

Based on the Stage 2A data validation covering the quality control (QC) parameters listed below and the information provided, the data as qualified are usable for meeting project objectives. Qualified data should be used within the limitation of the qualification.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- US EPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006); and
- American National Standard, Verification and Validation of Radiological Data for use in Waste Management and Environmental Remediation, February 15, 2012 (ANSI/ANS-41.5-2012).

The following samples were analyzed and reported in the laboratory reports:

Laboratory ID	Client ID
92554829001	GWA-1
92554829002	GWA-2
92554829003	GWA-3
92554829004	GWA-4
92554829005	GWA-11
92554829006	GWC-5
92554829007	GWC-6
92554829008	GWC-7
92554829009	GWC-8
92554829010	GWC-9

Laboratory ID	Client ID
92554829011	GWC-10
92554829012	GWC-18
92554829013	GWC-19
92554829014	GWC-20
92554829015	GWC-21
92554829016	GWC-22
92554829017	GWC-23
92554829018	DUP-5
92554829019	EB-5
92554829020	FB-5

The samples were received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

A collection time was not documented on the chain of custody (COC) for field duplicate, DUP-5. DUP-5 was logged in with the collection time of 00:00.

The year was not documented for the *relinquished* by date for the first sample transfer on the COC.

Incorrect error corrections were observed on the COC, instead of the proper procedure of a single strike through, correction, and initials and date of person making the corrections

The field pH data included in the laboratory report were not validated.

## 1.0 METALS

The samples were analyzed for metals by US EPA methods 3010A/6010D and US EPA methods 3005A/6020B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues

were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

### **1.1 Overall Assessment**

The metals data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this dataset is 100%.

### **1.2 Holding Time**

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

### **1.3 Method Blank**

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three method blanks were reported (batches 639885, 639905 and 639886). Metals were not detected in the method blanks above the method detection limits (MDLs).

### **1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)**

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three sample set specific MS/MSD pairs were reported, two using sample GWA-1 and one using sample GWA-2. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

The MSD recovery of calcium in the MS/MSD pair using sample GWA-1 was high and outside of the laboratory specified acceptance criteria. Since the calcium concentration in sample GWA-1 was greater than four times the spiked concentration, no qualifications were applied to the data.

The MS recovery was high, and the MSD recovery was low, both outside of the laboratory specified acceptance criteria for calcium in the MS/MSD pair using sample GWA-2. Since the calcium concentration in sample GWA-2 was greater than four times the spiked concentration, no qualifications were applied to the data.

### **1.5 Laboratory Control Sample (LCS)**

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Three LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

### **1.6 Laboratory Duplicate**

Laboratory duplicates were not reported.

### **1.7 Equipment Blank**

One equipment blank was collected with the sample set, EB-5. Metals were not detected in the equipment blank above the MDLs.

### **1.8 Field Blank**

One field blank was collected with the sample set, FB-5. Metals were not detected in the field blank above the MDLs.

### **1.9 Field Duplicate**

One field duplicate sample was collected with the sample set, DUP-05. Acceptable precision [RPD  $\leq 20\%$  or the difference between the concentrations  $<$  reporting limit (RL)] was demonstrated between the field duplicate and the original sample, GWC-10.

### **1.10 Sensitivity**

The samples were reported to the MDLs. No elevated nondetect results were reported.

### **1.11 Electronic Data Deliverable (EDD) Review**

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

## **2.0 WET CHEMISTRY**

The samples were analyzed for TDS by Standard method 2540C and anions by US EPA method 300.0.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Times
- ✓ Method Blank
- ⊗ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Laboratory Duplicate
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

### **2.1 Overall Assessment**

The wet chemistry data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for these analyses, for this dataset is 100%.

### **2.2 Holding Times**

The holding time for the TDS analysis of a water sample is 7 days from sample collection to analysis. The holding time for the anions (chloride, fluoride, and sulfate) analysis of a water sample is 28 days from sample collection to analysis. The holding times were met for the sample analyses.



### 2.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four method blanks were reported for TDS (batches 639828, 640326, 640771 and 640773) and three method blanks were reported for the anions (batches 640537, 640540 and 641348). The wet chemistry parameters were not detected in the method blanks above the MDLs.

### 2.4 Matrix Spike/Matrix Spike Duplicate

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Two sample set specific MS/MSD pairs were reported for the anions using samples GWA-4 and GWC-20. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exceptions.

One or both the recoveries of chloride, fluoride and sulfate in the MS/MSD pair using sample GWA-4 were high and outside of the laboratory specified acceptance criteria. Therefore, the chloride, fluoride and sulfate concentrations in sample GWA-4 were J+ qualified as estimated with high biases.

The recoveries of sulfate in the MS/MSD pair using sample GWC-20 were low and outside the laboratory specified acceptance criteria. Therefore, the sulfate concentration in sample GWC-20 was J- qualified as estimated with a low bias.

Four batch MS/MSD pairs were reported for the anions. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

Sample	Analyte	Laboratory Result (mg/kg)	Laboratory Flag	Validation Result (mg/kg)	Validation Qualifier*	Reason Code**
GWA-4	Chloride	3.0	M1	3.0	J+	4
GWA-4	Fluoride	0.12	M1	0.12	J+	4
GWA-4	Sulfate	106	M1	106	J+	4
GWC-20	Sulfate	66.4	M1	66.4	J-	4

mg/L-milligrams per liter

M1-laboratory flag indicating MS recovery was outside the QC limits

\* Validation qualifiers are defined in Attachment 1 at the end of this report

\*\*Reason codes are defined in Attachment 2 at the end of this report

### 2.5 Laboratory Control Sample

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). Four LCSs were reported for TDS and three LCSs were reported for the anions. The recovery results were within the laboratory specified acceptance criteria.

## 2.6 Laboratory Duplicate

Three sample set specific laboratory duplicates were reported using samples GWC-18, GWA-1 and DUP-5. The RPD results were within the laboratory specified acceptance criteria.

Four batch laboratory duplicates were also reported for TDS. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

## 2.7 Equipment Blank

One equipment blank was collected with the sample set, EB-5. The wet chemistry parameters were not detected in the equipment blank above the MDLs.

## 2.8 Field Blank

One field blank was collected with the sample set, FB-5. The wet chemistry parameters were not detected in the field blank above the MDLs.

## 2.9 Field Duplicate

One field duplicate sample was collected with the sample set, DUP-05. Acceptable precision (RPD  $\leq 20\%$  or the difference between the concentrations  $< RL$ ) was demonstrated between the field duplicate and the original sample, GWC-10.

## 2.10 Sensitivity

The samples were reported to the MDLs. No elevated nondetect results were reported.

## 2.11 Electronic Data Deliverable Review

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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\* \* \* \* \*

**ATTACHMENT 1**  
**DATA VALIDATION QUALIFIER DEFINITIONS**  
**AND INTERPRETATION KEY**  
**Assigned by Geosyntec's Data Validation Team**

**DATA QUALIFIER DEFINITIONS**

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to “not detected at or above the reported result”.
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
- J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
- J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.

**ATTACHMENT 2**  
**DATA VALIDATION REASON CODES**  
**Assigned by Geosyntec’s Data Validation Team**

<b>Valid Value</b>	<b>Description</b>
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS or RPD recovery outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed or modified: no validation qualification required
NV	Data was not validated

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample duplicate

RPD - Relative percent difference

## Memorandum

Date: November 1, 2021  
To: Whitney Law  
From: Kristoffer Henderson  
CC: J. Caprio  
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92564022**

**SITE: Plant Hammond Huffaker**

### INTRODUCTION

This report summarizes the findings of the Stage 2A data validation of one aqueous sample collected 28 September 2021, as part of the Plant Hammond Huffaker on-site sampling event.

The sample was analyzed at Pace Analytical Services Atlanta, Peachtree Corners, Georgia, for the following analytical test:

- Barium and Nickel by US EPA Methods 3005A/6020B

### EXECUTIVE SUMMARY

Based on the Stage 2A data validation covering the quality control (QC) parameters listed below and the information provided, the data are usable for meeting project objectives.

The data were reviewed based on the pertinent methods referenced in the laboratory reports, professional and technical judgment and the following documents:

- US EPA Region IV Data Validation Standard Operating Procedures (US EPA Region IV, September 2011);
- US EPA National Functional Guidelines for Inorganic Superfund Methods Data Review, November 2020 (EPA 542-R-20-006); and
- American National Standard, Verification and Validation of Radiological Data for use in Waste Management and Environmental Remediation, February 15, 2012 (ANSI/ANS-41.5-2012).

The following sample was analyzed and reported in the laboratory report:

Laboratory ID	Client ID
92564022001	GWC-8

The sample was received within 0-6 degrees Celsius (°C). No sample preservation issues were noted by the laboratory.

The field pH data included in the laboratory report were not validated.

## 1.0 METALS

The sample was analyzed for barium and nickel by US EPA methods 3005A/6020B.

The areas of data review are listed below. A leading check mark (✓) indicates an area of review in which the data were acceptable. A preceding crossed circle (⊗) signifies areas where issues were raised during the course of the validation review and should be considered to determine any impact on data quality and usability.

- ✓ Overall Assessment
- ✓ Holding Time
- ✓ Method Blank
- ✓ Matrix Spike/Matrix Spike Duplicate
- ✓ Laboratory Control Sample
- ✓ Sensitivity
- ✓ Electronic Data Deliverable Review

### 1.1 Overall Assessment

The metals data reported in this data package are considered usable for meeting project objectives. The results are considered valid; the analytical completeness defined as the ratio of the number of valid analytical results (valid analytical results include values qualified as estimated) to the total number of analytical results requested on samples submitted for this analysis, for this dataset is 100%.

### 1.2 Holding Time

The holding time for the metals analysis of a water sample is 180 days from sample collection to analysis. The holding times were met for the sample analyses.

### 1.3 Method Blank

Method blanks were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One method blank was reported (batch 3417564). Metals were not detected in the method blank above the method detection limits (MDLs).

**1.4 Matrix Spike/Matrix Spike Duplicate (MS/MSD)**

MS/MSDs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One batch MS/MSD pair was reported. Since these were batch QC, the results do not affect the samples in this data set and qualifications were not applied to the data.

**1.5 Laboratory Control Sample (LCS)**

LCSs were analyzed at the proper frequency for the number and types of samples analyzed (one per batch of 20 samples). One LCS was reported. The recovery results were within the laboratory specified acceptance criteria.

**1.6 Sensitivity**

The sample was reported to the MDLs. No elevated nondetect results were reported.

**1.7 Electronic Data Deliverable (EDD) Review**

The results and sample IDs in the EDD were reviewed against the information provided by the associated level II report at a minimum of 20% as part of the data validation process. No discrepancies were identified between the level II report and the EDD.

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\* \* \* \* \*

**ATTACHMENT 1  
DATA VALIDATION QUALIFIER DEFINITIONS  
AND INTERPRETATION KEY  
Assigned by Geosyntec's Data Validation Team**

**DATA QUALIFIER DEFINITIONS**

- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit. Upon application of the U qualifier to a reported result, the definition changes to “not detected at or above the reported result”.
  
- J The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
  
- J+ The analyte was positively identified; however, the associated numerical value is likely to be higher than the concentration of the analyte in the sample due to positive bias of associated QC or calibration data or attributable to matrix interference.
  
- J- The analyte was positively identified; however, the associated numerical value is likely to be lower than the concentration of the analyte in the sample due to negative bias of associated QC or calibration data or attributable to matrix interference.
  
- UJ The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
  
- R The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.



**ATTACHMENT 2  
DATA VALIDATION REASON CODES  
Assigned by Geosyntec’s Data Validation Team**

<b>Valid Value</b>	<b>Description</b>
1	Preservation requirement not met
2	Analysis holding time exceeded
3	Blank contamination (i.e., method, trip, equipment, etc.)
4	Matrix spike/matrix spike duplicate recovery or RPD outside limits
5	LCS or RPD recovery outside limits (LCS/LCSD)
6	Surrogate recovery outside limits
7	Field Duplicate RPD exceeded
8	Serial dilution percent difference exceeded
9	Calibration criteria not met
10	Linear range exceeded
11	Internal standard criteria not met
12	Lab duplicates RPD exceeded
13	Other
14	Lab flag removed or modified: no validation qualification required
NV	Data was not validated

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample duplicate

RPD - Relative percent difference

# APPENDIX B2

## Field Sampling Forms

# Purge Logs

# Low-Flow Test Report:

Test Date / Time: 3/8/2021 4:20:52 PM

Project: GP-Plant Hammond

Operator Name: Vashish Taukoor

<b>Location Name: GWA-1</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 30 ft</b> <b>Total Depth: 40.05 ft</b> <b>Initial Depth to Water: 11.15 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 35 ft</b> <b>Estimated Total Volume Pumped: 6.946667 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.22 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728563</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics

## Weather Conditions:

Sunny

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
3/8/2021 4:20 PM	00:00	7.05 pH	16.04 °C	174.03 µS/cm	2.71 mg/L	3.24 NTU	28.8 mV	11.20 ft	200.00 ml/min
3/8/2021 4:25 PM	04:44	7.02 pH	15.86 °C	170.38 µS/cm	2.44 mg/L	1.89 NTU	11.0 mV	11.25 ft	200.00 ml/min
3/8/2021 4:30 PM	09:44	6.96 pH	15.96 °C	165.27 µS/cm	2.39 mg/L	1.86 NTU	6.3 mV	11.28 ft	200.00 ml/min
3/8/2021 4:35 PM	14:44	6.93 pH	15.92 °C	163.92 µS/cm	2.04 mg/L	1.75 NTU	0.4 mV	11.30 ft	200.00 ml/min
3/8/2021 4:40 PM	19:44	6.91 pH	15.96 °C	158.42 µS/cm	2.01 mg/L	1.28 NTU	-2.3 mV	11.32 ft	200.00 ml/min
3/8/2021 4:45 PM	24:44	6.89 pH	15.93 °C	155.62 µS/cm	2.04 mg/L	0.90 NTU	-3.6 mV	11.35 ft	200.00 ml/min
3/8/2021 4:50 PM	29:44	6.87 pH	15.85 °C	152.67 µS/cm	1.80 mg/L	1.09 NTU	-6.0 mV	11.35 ft	200.00 ml/min
3/8/2021 4:55 PM	34:44	6.86 pH	15.93 °C	149.44 µS/cm	1.66 mg/L	1.34 NTU	-7.9 mV	11.37 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWA-1	Grab Sample.

# Low-Flow Test Report:

**Test Date / Time:** 3/9/2021 8:40:06 AM

**Project:** GP-Plant Hammond

**Operator Name:** Thomas Kessler

<b>Location Name: GWA-2</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 15.81 ft</b> <b>Total Depth: 25.81 ft</b> <b>Initial Depth to Water: 6.1 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: polyethylene</b> <b>Pump Intake From TOC: 20.81 ft</b> <b>Estimated Total Volume Pumped: 7 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.43 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics, Total depth = 26.12 feet.

## Weather Conditions:

Sunny 45 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
3/9/2021 8:40 AM	00:00	6.98 pH	11.11 °C	411.04 µS/cm	0.36 mg/L	29.00 NTU	44.5 mV	6.10 ft	200.00 ml/min
3/9/2021 8:42 AM	01:59	6.94 pH	10.88 °C	421.83 µS/cm	0.28 mg/L	29.00 NTU	28.1 mV	6.10 ft	200.00 ml/min
3/9/2021 8:47 AM	06:59	6.92 pH	13.22 °C	414.39 µS/cm	0.09 mg/L	21.00 NTU	5.7 mV	6.56 ft	200.00 ml/min
3/9/2021 8:52 AM	11:59	6.91 pH	13.79 °C	412.77 µS/cm	0.05 mg/L	19.10 NTU	-5.3 mV	6.56 ft	200.00 ml/min
3/9/2021 8:57 AM	16:59	6.91 pH	13.95 °C	412.82 µS/cm	0.06 mg/L	11.60 NTU	-15.6 mV	6.57 ft	200.00 ml/min
3/9/2021 9:02 AM	21:59	6.91 pH	14.20 °C	410.98 µS/cm	0.05 mg/L	10.65 NTU	-18.6 mV	6.57 ft	200.00 ml/min
3/9/2021 9:07 AM	26:59	6.93 pH	14.04 °C	411.71 µS/cm	0.05 mg/L	8.30 NTU	-21.3 mV	6.53 ft	200.00 ml/min
3/9/2021 9:12 AM	31:59	6.93 pH	14.13 °C	410.98 µS/cm	0.04 mg/L	5.57 NTU	-23.7 mV	6.53 ft	200.00 ml/min
3/9/2021 9:17 AM	36:59	6.93 pH	14.25 °C	411.34 µS/cm	0.04 mg/L	2.82 NTU	-26.9 mV	6.53 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWA-2	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/8/2021 2:58:13 PM

Project: GP-Plant Hammond .

Operator Name: Chad Russo

<b>Location Name: GWA-3</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 11.09 ft</b> <b>Total Depth: 21.09 ft</b> <b>Initial Depth to Water: 4.9 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 16 ft</b> <b>Estimated Total Volume Pumped: 8 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.37 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
3/8/2021 2:58 PM	00:00	7.29 pH	18.02 °C	694.81 µS/cm	3.34 mg/L		80.5 mV	4.90 ft	200.00 ml/min
3/8/2021 3:03 PM	05:00	7.14 pH	16.47 °C	712.04 µS/cm	3.15 mg/L	9.84 NTU	72.2 mV	5.23 ft	200.00 ml/min
3/8/2021 3:08 PM	10:00	7.11 pH	16.22 °C	712.34 µS/cm	2.81 mg/L	6.93 NTU	59.8 mV	5.23 ft	200.00 ml/min
3/8/2021 3:13 PM	15:00	7.06 pH	15.96 °C	712.61 µS/cm	2.37 mg/L	5.12 NTU	62.7 mV	5.27 ft	200.00 ml/min
3/8/2021 3:18 PM	20:00	7.02 pH	15.78 °C	713.17 µS/cm	1.95 mg/L	4.55 NTU	60.6 mV	5.27 ft	200.00 ml/min
3/8/2021 3:23 PM	25:00	6.99 pH	15.76 °C	713.06 µS/cm	1.68 mg/L	3.05 NTU	55.1 mV	5.27 ft	200.00 ml/min
3/8/2021 3:28 PM	30:00	6.96 pH	15.58 °C	711.14 µS/cm	1.37 mg/L	2.24 NTU	57.7 mV	5.27 ft	200.00 ml/min
3/8/2021 3:33 PM	35:00	6.96 pH	15.49 °C	713.70 µS/cm	1.29 mg/L	4.06 NTU	56.8 mV	5.27 ft	200.00 ml/min
3/8/2021 3:38 PM	40:00	6.95 pH	15.57 °C	710.25 µS/cm	1.25 mg/L	2.68 NTU	55.9 mV	5.27 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWA-3	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/8/2021 1:52:46 PM

Project: GP-Plant Hammond

Operator Name: Chad Russo

<b>Location Name: GWA-4</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 11.39 ft</b> <b>Total Depth: 21.39 ft</b> <b>Initial Depth to Water: 9.14 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 16 ft</b> <b>Estimated Total Volume Pumped: 6 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.36 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
3/8/2021 1:52 PM	00:00	6.84 pH	16.71 °C	709.90 µS/cm	1.78 mg/L		57.7 mV	9.14 ft	200.00 ml/min
3/8/2021 1:57 PM	05:00	6.94 pH	15.53 °C	731.45 µS/cm	1.61 mg/L	1.21 NTU	52.8 mV	9.37 ft	200.00 ml/min
3/8/2021 2:02 PM	10:00	6.92 pH	15.58 °C	737.10 µS/cm	1.40 mg/L	0.90 NTU	49.6 mV	9.41 ft	200.00 ml/min
3/8/2021 2:07 PM	15:00	6.89 pH	15.53 °C	739.33 µS/cm	1.26 mg/L	1.62 NTU	50.3 mV	9.44 ft	200.00 ml/min
3/8/2021 2:12 PM	20:00	6.89 pH	15.35 °C	742.92 µS/cm	1.18 mg/L	1.41 NTU	48.7 mV	9.46 ft	200.00 ml/min
3/8/2021 2:17 PM	25:00	6.87 pH	15.40 °C	742.36 µS/cm	1.10 mg/L	0.97 NTU	50.3 mV	9.48 ft	200.00 ml/min
3/8/2021 2:22 PM	30:00	6.84 pH	15.67 °C	746.15 µS/cm	1.00 mg/L	0.94 NTU	48.6 mV	9.50 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWA-4	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/8/2021 2:59:22 PM

Project: GP-Plant Hammond

Operator Name: Thomas Kessler

<b>Location Name: GWA-11</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 25.9 ft</b> <b>Total Depth: 35.9 ft</b> <b>Initial Depth to Water: 15.85 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: polyethylene</b> <b>Pump Intake From TOC: 30.9 ft</b> <b>Estimated Total Volume Pumped: 8 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.38 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 36.45 feet.

## Weather Conditions:

Sunny, 70 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
3/8/2021 2:59 PM	00:00	6.75 pH	17.03 °C	185.90 µS/cm	0.80 mg/L	12.60 NTU	14.5 mV	15.85 ft	200.00 ml/min
3/8/2021 3:02 PM	02:38	6.75 pH	16.55 °C	182.92 µS/cm	0.53 mg/L	12.60 NTU	7.9 mV	15.85 ft	200.00 ml/min
3/8/2021 3:07 PM	07:38	6.75 pH	16.17 °C	186.44 µS/cm	0.38 mg/L	17.10 NTU	2.1 mV	16.22 ft	200.00 ml/min
3/8/2021 3:12 PM	12:38	6.77 pH	16.16 °C	187.33 µS/cm	0.64 mg/L	11.70 NTU	3.9 mV	16.22 ft	200.00 ml/min
3/8/2021 3:17 PM	17:38	6.78 pH	16.18 °C	185.81 µS/cm	0.82 mg/L	12.20 NTU	3.0 mV	16.22 ft	200.00 ml/min
3/8/2021 3:22 PM	22:38	6.78 pH	16.20 °C	187.99 µS/cm	1.39 mg/L	9.23 NTU	0.2 mV	16.22 ft	200.00 ml/min
3/8/2021 3:27 PM	27:38	6.76 pH	16.25 °C	187.91 µS/cm	0.66 mg/L	8.23 NTU	-0.9 mV	16.23 ft	200.00 ml/min
3/8/2021 3:32 PM	32:38	6.78 pH	16.23 °C	188.96 µS/cm	0.48 mg/L	6.09 NTU	-4.0 mV	16.23 ft	200.00 ml/min
3/8/2021 3:37 PM	37:38	6.79 pH	16.26 °C	188.73 µS/cm	0.46 mg/L	5.69 NTU	-6.0 mV	16.23 ft	200.00 ml/min
3/8/2021 3:42 PM	42:38	6.77 pH	16.27 °C	188.87 µS/cm	0.43 mg/L	5.29 NTU	-5.9 mV	16.23 ft	200.00 ml/min
3/8/2021 3:47 PM	47:38	6.78 pH	16.23 °C	189.07 µS/cm	0.51 mg/L	4.61 NTU	-6.8 mV	16.23 ft	200.00 ml/min

## Samples



Sample ID:	Description:
GWA-11	Grab Sample.

Created using VuSitu from In-Situ, Inc.

# Low-Flow Test Report:

Test Date / Time: 3/9/2021 10:35:42 AM

Project: GP-Plant Hammond

Operator Name: Thomas Kessler

<b>Location Name: GWC-5</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 11.41 ft</b> <b>Total Depth: 21.74 ft</b> <b>Initial Depth to Water: 4.73 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: polyethylene</b> <b>Pump Intake From TOC: 16.41 ft</b> <b>Estimated Total Volume Pumped: 18 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.15 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics.

## Weather Conditions:

Sunny, 65 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
3/9/2021 10:35 AM	00:00	7.16 pH	16.07 °C	589.48 µS/cm	5.00 mg/L	8.89 NTU	9.4 mV	4.73 ft	200.00 ml/min
3/9/2021 10:40 AM	05:00	7.11 pH	14.89 °C	595.50 µS/cm	3.79 mg/L	8.09 NTU	8.4 mV	4.82 ft	200.00 ml/min
3/9/2021 10:45 AM	10:00	7.11 pH	14.80 °C	603.19 µS/cm	3.08 mg/L	6.84 NTU	7.6 mV	4.85 ft	200.00 ml/min
3/9/2021 10:50 AM	15:00	7.03 pH	14.83 °C	603.80 µS/cm	2.57 mg/L	4.09 NTU	2.5 mV	4.85 ft	200.00 ml/min
3/9/2021 10:55 AM	20:00	7.01 pH	14.81 °C	604.37 µS/cm	2.04 mg/L	4.74 NTU	-2.1 mV	4.86 ft	200.00 ml/min
3/9/2021 11:00 AM	25:00	7.03 pH	14.90 °C	605.87 µS/cm	1.73 mg/L	2.55 NTU	-6.0 mV	4.86 ft	200.00 ml/min
3/9/2021 11:05 AM	30:00	7.01 pH	14.99 °C	605.62 µS/cm	1.52 mg/L	3.18 NTU	-8.6 mV	4.86 ft	200.00 ml/min
3/9/2021 11:10 AM	35:00	6.98 pH	15.00 °C	601.98 µS/cm	1.33 mg/L	2.87 NTU	-11.8 mV	4.87 ft	200.00 ml/min
3/9/2021 11:15 AM	40:00	6.95 pH	15.03 °C	605.23 µS/cm	1.13 mg/L	1.90 NTU	-17.3 mV	4.87 ft	200.00 ml/min
3/9/2021 11:20 AM	45:00	6.98 pH	15.08 °C	602.83 µS/cm	0.94 mg/L	1.80 NTU	-17.3 mV	4.87 ft	200.00 ml/min
3/9/2021 11:25 AM	50:00	6.95 pH	15.08 °C	604.03 µS/cm	0.77 mg/L	2.20 NTU	-22.2 mV	4.87 ft	200.00 ml/min
3/9/2021 11:30 AM	55:00	6.94 pH	15.08 °C	600.49 µS/cm	0.71 mg/L	1.90 NTU	-21.4 mV	4.87 ft	200.00 ml/min
3/9/2021 11:35 AM	01:00:00	6.97 pH	15.17 °C	600.70 µS/cm	1.55 mg/L	1.70 NTU	-25.7 mV	4.87 ft	200.00 ml/min

3/9/2021 11:40 AM	01:05:00	6.94 pH	15.13 °C	601.56 µS/cm	4.91 mg/L	1.62 NTU	-24.5 mV	4.87 ft	200.00 ml/min
3/9/2021 11:45 AM	01:10:00	6.95 pH	15.22 °C	602.62 µS/cm	1.58 mg/L	1.49 NTU	-26.1 mV	4.87 ft	200.00 ml/min
3/9/2021 11:50 AM	01:15:00	6.93 pH	15.08 °C	597.36 µS/cm	3.53 mg/L	1.91 NTU	-26.6 mV	4.87 ft	200.00 ml/min
3/9/2021 11:55 AM	01:20:00	6.94 pH	15.13 °C	602.40 µS/cm	1.34 mg/L	1.48 NTU	-30.5 mV	4.88 ft	200.00 ml/min
3/9/2021 12:00 PM	01:25:00	6.94 pH	15.12 °C	603.07 µS/cm	1.23 mg/L	1.45 NTU	-31.6 mV	4.88 ft	200.00 ml/min
3/9/2021 12:05 PM	01:30:00	6.93 pH	15.12 °C	597.94 µS/cm	1.14 mg/L	1.22 NTU	-32.9 mV	4.88 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-5	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/9/2021 1:15:58 PM

Project: GP-Plant Hammond

Operator Name: Thomas Kessler

<b>Location Name: GWC-6</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 32.58 ft</b> <b>Total Depth: 43.10 ft</b> <b>Initial Depth to Water: 15.29 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: polyethylene</b> <b>Pump Intake From TOC: 37.59 ft</b> <b>Estimated Total Volume Pumped: 11 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.08 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
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## Test Notes:

Three bottles; Metals, TDS, Inorganics. Total depth = 43.10 feet.

## Weather Conditions:

Sunny, 70 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
3/9/2021 1:15 PM	00:00	7.51 pH	17.50 °C	475.24 µS/cm	5.40 mg/L	12.90 NTU	24.0 mV	15.29 ft	200.00 ml/min
3/9/2021 1:20 PM	05:00	7.36 pH	17.94 °C	452.39 µS/cm	5.43 mg/L	11.33 NTU	-2.7 mV	15.37 ft	200.00 ml/min
3/9/2021 1:25 PM	10:00	7.12 pH	17.96 °C	439.42 µS/cm	3.25 mg/L	15.40 NTU	-53.8 mV	15.37 ft	200.00 ml/min
3/9/2021 1:30 PM	15:00	7.10 pH	17.97 °C	464.90 µS/cm	2.76 mg/L	11.10 NTU	-70.9 mV	15.37 ft	200.00 ml/min
3/9/2021 1:35 PM	20:00	7.07 pH	17.98 °C	486.95 µS/cm	2.44 mg/L	8.92 NTU	-79.6 mV	15.37 ft	200.00 ml/min
3/9/2021 1:40 PM	25:00	7.10 pH	18.02 °C	500.37 µS/cm	1.95 mg/L	5.23 NTU	-84.5 mV	15.37 ft	200.00 ml/min
3/9/2021 1:45 PM	30:00	7.11 pH	18.04 °C	439.00 µS/cm	2.58 mg/L	3.48 NTU	-88.2 mV	15.37 ft	200.00 ml/min
3/9/2021 1:50 PM	35:00	7.10 pH	18.10 °C	492.21 µS/cm	2.32 mg/L	3.55 NTU	-91.3 mV	15.37 ft	200.00 ml/min
3/9/2021 1:55 PM	40:00	7.08 pH	18.13 °C	513.48 µS/cm	1.69 mg/L	3.67 NTU	-93.9 mV	15.37 ft	200.00 ml/min
3/9/2021 2:00 PM	45:00	7.10 pH	18.25 °C	484.66 µS/cm	1.63 mg/L	2.62 NTU	-95.0 mV	15.37 ft	200.00 ml/min
3/9/2021 2:05 PM	50:00	7.06 pH	18.22 °C	497.66 µS/cm	1.57 mg/L	1.79 NTU	-95.7 mV	15.37 ft	200.00 ml/min
3/9/2021 2:10 PM	55:00	7.09 pH	18.21 °C	507.16 µS/cm	1.51 mg/L	2.19 NTU	-96.4 mV	15.37 ft	200.00 ml/min

**Samples**

Sample ID:	Description:
GWC-6	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/9/2021 3:00:38 PM

Project: GP-Plant Hammond

Operator Name: Thomas Kessler

<b>Location Name: GWC-7</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 21.91 ft</b> <b>Total Depth: 32.51 ft</b> <b>Initial Depth to Water: 14.15 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: polyethylene</b> <b>Pump Intake From TOC: 26.91 ft</b> <b>Estimated Total Volume Pumped: 12 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.22 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728566</b>
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## Test Notes:

Three bottles; Metals, TDS, Inorganics. Total depth = 32.51 feet.

## Weather Conditions:

Sunny, 70 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.5	
3/9/2021 3:00 PM	00:00	6.83 pH	18.66 °C	679.03 µS/cm	1.36 mg/L	49.40 NTU	-72.1 mV	14.15 ft	200.00 ml/min
3/9/2021 3:05 PM	05:00	6.84 pH	16.49 °C	680.70 µS/cm	0.15 mg/L	25.30 NTU	-74.7 mV	14.37 ft	200.00 ml/min
3/9/2021 3:10 PM	10:00	6.83 pH	16.42 °C	680.05 µS/cm	0.10 mg/L	18.70 NTU	-79.6 mV	14.37 ft	200.00 ml/min
3/9/2021 3:15 PM	15:00	6.83 pH	16.67 °C	665.93 µS/cm	0.07 mg/L	13.50 NTU	-81.9 mV	14.37 ft	200.00 ml/min
3/9/2021 3:20 PM	20:00	6.76 pH	16.65 °C	640.63 µS/cm	0.06 mg/L	11.70 NTU	-82.7 mV	14.37 ft	200.00 ml/min
3/9/2021 3:25 PM	25:00	6.75 pH	16.66 °C	626.75 µS/cm	0.05 mg/L	9.30 NTU	-83.1 mV	14.37 ft	200.00 ml/min
3/9/2021 3:30 PM	30:00	6.75 pH	17.01 °C	602.91 µS/cm	0.05 mg/L	7.94 NTU	-82.5 mV	14.37 ft	200.00 ml/min
3/9/2021 3:35 PM	35:00	6.72 pH	17.06 °C	588.53 µS/cm	0.04 mg/L	6.49 NTU	-81.8 mV	14.37 ft	200.00 ml/min
3/9/2021 3:40 PM	40:00	6.68 pH	16.79 °C	577.65 µS/cm	0.04 mg/L	5.63 NTU	-80.4 mV	14.37 ft	200.00 ml/min
3/9/2021 3:45 PM	45:00	6.68 pH	16.73 °C	559.79 µS/cm	0.03 mg/L	5.27 NTU	-78.6 mV	14.37 ft	200.00 ml/min
3/9/2021 3:50 PM	50:00	6.64 pH	16.75 °C	547.27 µS/cm	0.03 mg/L	3.82 NTU	-76.7 mV	14.37 ft	200.00 ml/min
3/9/2021 3:55 PM	55:00	6.62 pH	16.83 °C	532.46 µS/cm	0.03 mg/L	4.78 NTU	-74.2 mV	14.37 ft	200.00 ml/min
3/9/2021 4:00 PM	01:00:00	6.59 pH	16.97 °C	527.19 µS/cm	0.03 mg/L	4.24 NTU	-73.9 mV	14.37 ft	200.00 ml/min

**Samples**

Sample ID:	Description:
GWC-7	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/9/2021 11:27:06 AM

Project: GP-Plant Hammond

Operator Name: Vashish Taukoor

<b>Location Name: GWC-8</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 17.49 ft</b> <b>Total Depth: 27.49 ft</b> <b>Initial Depth to Water: 11.8 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 22 ft</b> <b>Estimated Total Volume Pumped: 16 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 2.45 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728563</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 27.40 ft

## Weather Conditions:

Sunny

65 degrees F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
3/9/2021 11:27 AM	00:00	7.01 pH	16.14 °C	614.71 µS/cm	0.11 mg/L	9.86 NTU	-24.4 mV	14.26 ft	200.00 ml/min
3/9/2021 11:32 AM	05:00	7.03 pH	16.29 °C	600.34 µS/cm	0.10 mg/L	5.97 NTU	-38.0 mV	14.27 ft	200.00 ml/min
3/9/2021 11:37 AM	10:00	7.04 pH	16.38 °C	593.50 µS/cm	0.10 mg/L	6.77 NTU	-31.5 mV	14.24 ft	200.00 ml/min
3/9/2021 11:42 AM	15:00	7.04 pH	16.38 °C	589.74 µS/cm	0.10 mg/L	4.52 NTU	-41.4 mV	14.25 ft	200.00 ml/min
3/9/2021 11:47 AM	20:00	7.04 pH	16.43 °C	584.84 µS/cm	0.09 mg/L	4.83 NTU	-34.6 mV	14.25 ft	200.00 ml/min
3/9/2021 11:52 AM	25:00	7.06 pH	16.43 °C	572.18 µS/cm	0.09 mg/L	4.31 NTU	-37.7 mV	14.25 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-8	Grab Sample.



# Low-Flow Test Report:

Test Date / Time: 3/9/2021 9:21:49 AM

Project: GP-Plant Hammond

Operator Name: Vashish Taukooor

<b>Location Name: GWC-9</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 42.4 ft</b> <b>Total Depth: 52.4 ft</b> <b>Initial Depth to Water: 13.39 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 47 ft</b> <b>Estimated Total Volume Pumped: 9 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.33 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728563</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 52.40 ft

## Weather Conditions:

Sunny

41 Degrees F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
3/9/2021 9:21 AM	00:00	6.87 pH	15.28 °C	335.13 µS/cm	0.19 mg/L	2.84 NTU	-41.6 mV	13.68 ft	200.00 ml/min
3/9/2021 9:26 AM	05:00	6.89 pH	15.30 °C	335.28 µS/cm	0.16 mg/L	2.06 NTU	-46.9 mV	13.68 ft	200.00 ml/min
3/9/2021 9:31 AM	10:00	6.89 pH	15.35 °C	335.42 µS/cm	0.15 mg/L	2.14 NTU	-49.6 mV	13.72 ft	200.00 ml/min
3/9/2021 9:36 AM	15:00	6.91 pH	15.48 °C	336.29 µS/cm	0.14 mg/L	1.45 NTU	-61.9 mV	13.72 ft	200.00 ml/min
3/9/2021 9:41 AM	20:00	6.91 pH	15.66 °C	334.32 µS/cm	0.13 mg/L	0.83 NTU	-55.4 mV	13.72 ft	200.00 ml/min
3/9/2021 9:46 AM	25:00	6.92 pH	15.84 °C	333.75 µS/cm	0.13 mg/L	0.82 NTU	-66.9 mV	13.72 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-9	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/9/2021 9:18:31 AM

Project: GP-Plant Hammond

Operator Name: Chad Russo

<b>Location Name: GWC-10</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 23.98 ft</b> <b>Total Depth: 33.98 ft</b> <b>Initial Depth to Water: 13.1 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 29 ft</b> <b>Estimated Total Volume Pumped: 36 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.04 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 34.51'

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
3/9/2021 9:18 AM	00:00	7.09 pH	14.60 °C	357.43 µS/cm	2.05 mg/L		31.9 mV	13.10 ft	200.00 ml/min
3/9/2021 9:23 AM	05:00	7.29 pH	14.74 °C	342.88 µS/cm	0.69 mg/L	70.20 NTU	-8.9 mV	13.14 ft	200.00 ml/min
3/9/2021 9:28 AM	10:00	7.32 pH	15.03 °C	341.57 µS/cm	0.43 mg/L	70.40 NTU	-7.1 mV	13.14 ft	200.00 ml/min
3/9/2021 9:33 AM	15:00	7.34 pH	15.14 °C	340.94 µS/cm	0.38 mg/L	43.70 NTU	-21.1 mV	13.14 ft	200.00 ml/min
3/9/2021 9:38 AM	20:00	7.34 pH	15.19 °C	340.76 µS/cm	0.31 mg/L	34.30 NTU	-16.8 mV	13.14 ft	200.00 ml/min
3/9/2021 9:43 AM	25:00	7.36 pH	15.17 °C	338.73 µS/cm	0.31 mg/L	31.20 NTU	-29.5 mV	13.14 ft	200.00 ml/min
3/9/2021 9:48 AM	30:00	7.37 pH	15.08 °C	339.00 µS/cm	0.29 mg/L	21.15 NTU	-23.5 mV	13.14 ft	200.00 ml/min
3/9/2021 9:53 AM	35:00	7.37 pH	15.04 °C	338.34 µS/cm	0.28 mg/L	22.10 NTU	-35.2 mV	13.14 ft	200.00 ml/min
3/9/2021 9:58 AM	40:00	7.36 pH	15.04 °C	337.81 µS/cm	0.26 mg/L	14.20 NTU	-30.0 mV	13.14 ft	200.00 ml/min
3/9/2021 10:03 AM	45:00	7.37 pH	15.01 °C	338.66 µS/cm	0.26 mg/L	13.30 NTU	-41.7 mV	13.14 ft	200.00 ml/min
3/9/2021 10:08 AM	50:00	7.37 pH	15.11 °C	338.53 µS/cm	0.22 mg/L	12.10 NTU	-37.5 mV	13.14 ft	200.00 ml/min
3/9/2021 10:13 AM	55:00	7.37 pH	15.17 °C	336.37 µS/cm	0.23 mg/L	18.00 NTU	-47.0 mV	13.14 ft	200.00 ml/min
3/9/2021 10:18 AM	01:00:00	7.37 pH	15.35 °C	337.04 µS/cm	0.23 mg/L	15.70 NTU	-41.0 mV	13.14 ft	200.00 ml/min
3/9/2021 10:23 AM	01:05:00	7.37 pH	15.44 °C	337.23 µS/cm	0.22 mg/L	14.50 NTU	-51.6 mV	13.14 ft	200.00 ml/min
3/9/2021 10:28 AM	01:10:00	7.38 pH	15.49 °C	336.79 µS/cm	0.21 mg/L	13.10 NTU	-45.6 mV	13.14 ft	200.00 ml/min

3/9/2021 10:33 AM	01:15:00	7.38 pH	15.50 °C	337.46 µS/cm	0.21 mg/L	11.67 NTU	-47.4 mV	13.14 ft	200.00 ml/min
3/9/2021 10:38 AM	01:20:00	7.38 pH	15.58 °C	338.06 µS/cm	0.20 mg/L	11.44 NTU	-58.0 mV	13.14 ft	200.00 ml/min
3/9/2021 10:43 AM	01:25:00	7.39 pH	15.60 °C	336.05 µS/cm	0.21 mg/L	11.69 NTU	-51.0 mV	13.14 ft	200.00 ml/min
3/9/2021 10:48 AM	01:30:00	7.39 pH	15.67 °C	337.01 µS/cm	0.19 mg/L	10.03 NTU	-60.9 mV	13.14 ft	200.00 ml/min
3/9/2021 10:53 AM	01:35:00	7.39 pH	15.76 °C	338.03 µS/cm	0.31 mg/L	12.00 NTU	-62.1 mV	13.14 ft	200.00 ml/min
3/9/2021 10:58 AM	01:40:00	7.39 pH	15.85 °C	336.50 µS/cm	0.22 mg/L	11.46 NTU	-55.8 mV	13.14 ft	200.00 ml/min
3/9/2021 11:03 AM	01:45:00	7.39 pH	15.97 °C	336.40 µS/cm	0.20 mg/L	11.72 NTU	-65.0 mV	13.14 ft	200.00 ml/min
3/9/2021 11:08 AM	01:50:00	7.40 pH	16.06 °C	335.69 µS/cm	0.20 mg/L	12.18 NTU	-58.2 mV	13.14 ft	200.00 ml/min
3/9/2021 11:13 AM	01:55:00	7.40 pH	16.12 °C	336.59 µS/cm	0.19 mg/L	11.68 NTU	-66.8 mV	13.14 ft	200.00 ml/min
3/9/2021 11:18 AM	02:00:00	7.40 pH	16.34 °C	334.84 µS/cm	0.17 mg/L	6.80 NTU	-61.2 mV	13.14 ft	200.00 ml/min
3/9/2021 11:23 AM	02:05:00	7.40 pH	16.50 °C	334.97 µS/cm	0.16 mg/L	9.13 NTU	-71.6 mV	13.14 ft	200.00 ml/min
3/9/2021 11:28 AM	02:10:00	7.41 pH	16.53 °C	335.26 µS/cm	0.17 mg/L	8.08 NTU	-64.2 mV	13.14 ft	200.00 ml/min
3/9/2021 11:33 AM	02:15:00	7.41 pH	16.66 °C	334.45 µS/cm	0.17 mg/L	8.72 NTU	-73.6 mV	13.14 ft	200.00 ml/min
3/9/2021 11:38 AM	02:20:00	7.41 pH	16.83 °C	335.62 µS/cm	0.16 mg/L	8.06 NTU	-67.1 mV	13.14 ft	200.00 ml/min
3/9/2021 11:43 AM	02:25:00	7.42 pH	17.04 °C	336.04 µS/cm	0.15 mg/L	7.70 NTU	-76.4 mV	13.14 ft	200.00 ml/min
3/9/2021 11:48 AM	02:30:00	7.41 pH	16.97 °C	332.04 µS/cm	0.16 mg/L	8.31 NTU	-67.7 mV	13.14 ft	200.00 ml/min
3/9/2021 11:53 AM	02:35:00	7.42 pH	16.83 °C	334.50 µS/cm	0.15 mg/L	8.80 NTU	-68.5 mV	13.14 ft	200.00 ml/min
3/9/2021 11:58 AM	02:40:00	7.42 pH	16.79 °C	333.57 µS/cm	0.17 mg/L	8.10 NTU	-77.5 mV	13.14 ft	200.00 ml/min
3/9/2021 12:03 PM	02:45:00	7.42 pH	16.98 °C	333.05 µS/cm	0.15 mg/L	8.90 NTU	-70.3 mV	13.14 ft	200.00 ml/min
3/9/2021 12:08 PM	02:50:00	7.42 pH	17.54 °C	334.23 µS/cm	0.14 mg/L	8.84 NTU	-80.4 mV	13.14 ft	200.00 ml/min
3/9/2021 12:13 PM	02:55:00	7.42 pH	17.59 °C	333.81 µS/cm	0.13 mg/L	6.23 NTU	-73.0 mV	13.14 ft	200.00 ml/min
3/9/2021 12:18 PM	03:00:00	7.43 pH	17.41 °C	332.77 µS/cm	0.13 mg/L	7.80 NTU	-82.4 mV	13.14 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-10	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/9/2021 1:07:14 PM

Project: GP-Plant Hammond

Operator Name: Vashish Taukoor

<b>Location Name: GWC-18</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 47.06 ft</b> <b>Total Depth: 57.06 ft</b> <b>Initial Depth to Water: 12.72 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 52 ft</b> <b>Estimated Total Volume Pumped: 10.5 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1.55 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728563</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics.

## Weather Conditions:

Sunny

No wind

Low humidity

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
3/9/2021 1:07 PM	00:00	7.64 pH	17.50 °C	390.63 µS/cm	3.99 mg/L	1.15 NTU	21.3 mV	14.12 ft	200.00 ml/min
3/9/2021 1:12 PM	05:00	7.64 pH	17.67 °C	381.11 µS/cm	3.91 mg/L	0.55 NTU	16.0 mV	14.18 ft	200.00 ml/min
3/9/2021 1:17 PM	10:00	7.64 pH	17.86 °C	372.15 µS/cm	3.82 mg/L	0.61 NTU	15.4 mV	14.24 ft	200.00 ml/min
3/9/2021 1:22 PM	15:00	7.66 pH	17.49 °C	366.98 µS/cm	3.80 mg/L	0.36 NTU	14.2 mV	14.27 ft	200.00 ml/min
3/9/2021 1:25 PM	18:27	7.66 pH	17.37 °C	364.25 µS/cm	3.80 mg/L	0.87 NTU	14.1 mV	14.27 ft	200.00 ml/min
3/9/2021 1:30 PM	23:27	7.66 pH	17.37 °C	357.61 µS/cm	3.67 mg/L	0.55 NTU	12.6 mV	14.27 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-18	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/10/2021 1:27:58 PM

Project: GP-Plant Hammond

Operator Name: Chad Russo

<b>Location Name: GWC-19</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 47.51 ft</b> <b>Total Depth: 57.51 ft</b> <b>Initial Depth to Water: 18.65 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 52 ft</b> <b>Estimated Total Volume Pumped: 6 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.43 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 56.96'

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
3/10/2021 1:27 PM	00:00	7.37 pH	21.24 °C	378.59 µS/cm	1.40 mg/L		-40.9 mV	18.65 ft	200.00 ml/min
3/10/2021 1:32 PM	05:00	7.45 pH	19.46 °C	386.51 µS/cm	0.44 mg/L	5.40 NTU	-50.7 mV	19.05 ft	200.00 ml/min
3/10/2021 1:37 PM	10:00	7.48 pH	19.36 °C	385.38 µS/cm	0.28 mg/L	4.91 NTU	-73.8 mV	19.05 ft	200.00 ml/min
3/10/2021 1:42 PM	15:00	7.51 pH	19.51 °C	384.80 µS/cm	0.24 mg/L	2.24 NTU	-62.8 mV	19.05 ft	200.00 ml/min
3/10/2021 1:47 PM	20:00	7.51 pH	19.51 °C	389.77 µS/cm	0.20 mg/L	1.48 NTU	-82.7 mV	19.05 ft	200.00 ml/min
3/10/2021 1:52 PM	25:00	7.51 pH	19.51 °C	385.41 µS/cm	0.21 mg/L	1.64 NTU	-66.2 mV	19.08 ft	200.00 ml/min
3/10/2021 1:57 PM	30:00	7.49 pH	19.42 °C	389.07 µS/cm	0.19 mg/L	3.31 NTU	-83.0 mV	19.08 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-19	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/10/2021 2:35:50 PM

Project: GP-Plant Hammond

Operator Name: Chad Russo

<b>Location Name: GWC-20</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 24.18 ft</b> <b>Total Depth: 34.18 ft</b> <b>Initial Depth to Water: 3.2 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 29 ft</b> <b>Estimated Total Volume Pumped: 17 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.93 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 31.45'

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
3/10/2021 2:35 PM	00:00	7.56 pH	18.39 °C	391.15 µS/cm	3.48 mg/L		-8.2 mV	3.20 ft	200.00 ml/min
3/10/2021 2:40 PM	05:00	7.55 pH	15.37 °C	414.65 µS/cm	3.50 mg/L	39.70 NTU	2.2 mV	3.91 ft	200.00 ml/min
3/10/2021 2:45 PM	10:00	7.55 pH	15.29 °C	417.08 µS/cm	3.44 mg/L	38.70 NTU	-3.4 mV	4.02 ft	200.00 ml/min
3/10/2021 2:50 PM	15:00	7.54 pH	15.39 °C	417.10 µS/cm	3.27 mg/L	32.20 NTU	2.4 mV	4.09 ft	200.00 ml/min
3/10/2021 2:55 PM	20:00	7.53 pH	15.49 °C	416.19 µS/cm	2.97 mg/L	21.10 NTU	-18.0 mV	4.13 ft	200.00 ml/min
3/10/2021 3:00 PM	25:00	7.50 pH	15.50 °C	416.67 µS/cm	2.59 mg/L	17.10 NTU	-16.3 mV	4.13 ft	200.00 ml/min
3/10/2021 3:05 PM	30:00	7.49 pH	15.71 °C	415.92 µS/cm	2.21 mg/L	13.90 NTU	-40.5 mV	4.13 ft	200.00 ml/min
3/10/2021 3:10 PM	35:00	7.48 pH	15.64 °C	416.71 µS/cm	2.10 mg/L	15.30 NTU	-31.6 mV	4.13 ft	200.00 ml/min
3/10/2021 3:15 PM	40:00	7.45 pH	15.61 °C	418.87 µS/cm	1.79 mg/L	11.20 NTU	-55.7 mV	4.13 ft	200.00 ml/min
3/10/2021 3:20 PM	45:00	7.45 pH	15.49 °C	417.79 µS/cm	1.57 mg/L	11.70 NTU	-45.0 mV	4.13 ft	200.00 ml/min
3/10/2021 3:25 PM	50:00	7.44 pH	15.66 °C	418.89 µS/cm	1.60 mg/L	11.29 NTU	-47.5 mV	4.13 ft	200.00 ml/min
3/10/2021 3:30 PM	55:00	7.44 pH	15.87 °C	417.34 µS/cm	1.30 mg/L	6.82 NTU	-68.8 mV	4.13 ft	200.00 ml/min
3/10/2021 3:35 PM	01:00:00	7.44 pH	15.83 °C	419.04 µS/cm	1.33 mg/L	9.89 NTU	-54.0 mV	4.13 ft	200.00 ml/min
3/10/2021 3:40 PM	01:05:00	7.43 pH	15.67 °C	418.08 µS/cm	1.21 mg/L	6.22 NTU	-72.9 mV	4.13 ft	200.00 ml/min
3/10/2021 3:45 PM	01:10:00	7.44 pH	15.63 °C	418.53 µS/cm	1.20 mg/L	8.46 NTU	-56.7 mV	4.13 ft	200.00 ml/min

3/10/2021 3:50 PM	01:15:00	7.42 pH	15.59 °C	419.22 µS/cm	0.93 mg/L	4.59 NTU	-77.3 mV	4.13 ft	200.00 ml/min
3/10/2021 3:55 PM	01:20:00	7.41 pH	15.68 °C	419.33 µS/cm	0.99 mg/L	4.43 NTU	-78.6 mV	4.13 ft	200.00 ml/min
3/10/2021 4:00 PM	01:25:00	7.41 pH	15.64 °C	419.27 µS/cm	0.86 mg/L	4.50 NTU	-63.4 mV	4.13 ft	200.00 ml/min
3/10/2021 4:01 PM	01:26:06	7.42 pH	15.64 °C	420.21 µS/cm	0.78 mg/L		-62.3 mV	4.13 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-20	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/9/2021 2:32:36 PM

Project: GP-Plant Hammond

Operator Name: Chad Russo

<b>Location Name: GWC-21</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 8 ft</b> <b>Total Depth: 18 ft</b> <b>Initial Depth to Water: 4.9 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 13 ft</b> <b>Estimated Total Volume Pumped: 3000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 0.07 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 18.50'

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
3/9/2021 2:32 PM	00:00	7.18 pH	15.75 °C	453.23 µS/cm	5.59 mg/L		-4.5 mV	4.90 ft	100.00 ml/min
3/9/2021 2:37 PM	05:00	7.14 pH	14.95 °C	459.49 µS/cm	5.45 mg/L	5.91 NTU	-0.2 mV	4.97 ft	100.00 ml/min
3/9/2021 2:42 PM	10:00	7.13 pH	14.85 °C	462.58 µS/cm	5.40 mg/L	6.72 NTU	2.1 mV	4.97 ft	100.00 ml/min
3/9/2021 2:47 PM	15:00	7.12 pH	14.63 °C	460.34 µS/cm	5.27 mg/L	11.34 NTU	-1.7 mV	4.97 ft	100.00 ml/min
3/9/2021 2:52 PM	20:00	7.11 pH	14.60 °C	457.91 µS/cm	5.10 mg/L	5.44 NTU	6.8 mV	4.97 ft	100.00 ml/min
3/9/2021 2:57 PM	25:00	7.08 pH	14.51 °C	455.39 µS/cm	4.98 mg/L	6.00 NTU	2.5 mV	4.97 ft	100.00 ml/min
3/9/2021 3:02 PM	30:00	7.04 pH	14.53 °C	449.65 µS/cm	4.70 mg/L	3.78 NTU	9.7 mV	4.97 ft	100.00 ml/min

## Samples

Sample ID:	Description:
GWC-21	Grab Sample.



# Low-Flow Test Report:

Test Date / Time: 3/9/2021 1:19:00 PM

Project: GP-Plant Hammond

Operator Name: Chad Russo

<b>Location Name: GWC-22</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 32 ft</b> <b>Total Depth: 42 ft</b> <b>Initial Depth to Water: 2.09 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 37 ft</b> <b>Estimated Total Volume Pumped: 6 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.89 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 42.29'

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
3/9/2021 1:19 PM	00:00	7.58 pH	17.10 °C	363.95 µS/cm	0.59 mg/L		-103.0 mV	2.09 ft	200.00 ml/min
3/9/2021 1:24 PM	05:00	7.51 pH	16.13 °C	365.57 µS/cm	0.36 mg/L	2.07 NTU	-124.7 mV	2.87 ft	200.00 ml/min
3/9/2021 1:29 PM	10:00	7.52 pH	15.94 °C	363.29 µS/cm	0.26 mg/L	1.55 NTU	-105.1 mV	2.90 ft	200.00 ml/min
3/9/2021 1:34 PM	15:00	7.51 pH	15.99 °C	361.68 µS/cm	0.22 mg/L	1.33 NTU	-125.2 mV	2.91 ft	200.00 ml/min
3/9/2021 1:39 PM	20:00	7.51 pH	16.14 °C	360.64 µS/cm	0.18 mg/L	1.77 NTU	-107.5 mV	2.92 ft	200.00 ml/min
3/9/2021 1:44 PM	25:00	7.52 pH	16.07 °C	359.25 µS/cm	0.15 mg/L	2.05 NTU	-128.1 mV	2.96 ft	200.00 ml/min
3/9/2021 1:49 PM	30:00	7.52 pH	16.13 °C	358.43 µS/cm	0.13 mg/L	2.58 NTU	-109.2 mV	2.98 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-22	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 3/9/2021 3:33:36 PM

Project: GP-Plant Hammond

Operator Name: Vashish Taukoor

<b>Location Name: GWC-23</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 40.09 ft</b> <b>Total Depth: 50.09 ft</b> <b>Initial Depth to Water: 8 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 44 ft</b> <b>Estimated Total Volume Pumped: 18.5 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.45 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728563</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 50.09 ft

## Weather Conditions:

Sunny

65 degrees F

Low humidity

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 5	
3/9/2021 3:33 PM	00:00	6.77 pH	17.12 °C	389.54 µS/cm	0.44 mg/L	7.85 NTU	-16.9 mV	8.45 ft	200.00 ml/min
3/9/2021 3:38 PM	05:00	6.79 pH	16.87 °C	373.84 µS/cm	0.43 mg/L	5.28 NTU	-30.7 mV	8.45 ft	200.00 ml/min
3/9/2021 3:43 PM	10:00	6.79 pH	16.76 °C	377.89 µS/cm	0.42 mg/L	4.58 NTU	-19.8 mV	8.45 ft	200.00 ml/min
3/9/2021 3:48 PM	15:00	6.79 pH	16.74 °C	376.34 µS/cm	0.43 mg/L	1.65 NTU	-20.0 mV	8.45 ft	200.00 ml/min
3/9/2021 3:53 PM	20:00	6.79 pH	16.80 °C	368.61 µS/cm	0.43 mg/L	3.02 NTU	-21.9 mV	8.45 ft	200.00 ml/min
3/9/2021 3:58 PM	25:00	6.81 pH	16.84 °C	357.70 µS/cm	0.43 mg/L	1.11 NTU	-24.6 mV	8.45 ft	200.00 ml/min
3/9/2021 4:03 PM	30:00	6.81 pH	17.05 °C	363.22 µS/cm	0.42 mg/L	2.34 NTU	-23.2 mV	8.45 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-23	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/9/2021 2:57:08 PM

Project: GP-Plant Hammond

Operator Name: Ashley Ramsey

<b>Location Name: GWA-1</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 29.30 ft</b> <b>Initial Depth to Water: 14.01 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 34.30 ft</b> <b>Estimated Total Volume Pumped: 6 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.28 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 39.98

## Weather Conditions:

Sunny, 91 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2021 2:57 PM	00:00	7.52 pH	35.76 °C	167.97 µS/cm	3.36 mg/L	27.30 NTU	107.4 mV	14.01 ft	200.00 ml/min
8/9/2021 3:02 PM	05:00	7.32 pH	23.07 °C	171.07 µS/cm	0.65 mg/L	5.61 NTU	98.8 mV	14.24 ft	200.00 ml/min
8/9/2021 3:07 PM	10:00	7.30 pH	21.91 °C	173.56 µS/cm	0.54 mg/L	3.54 NTU	58.9 mV	14.25 ft	200.00 ml/min
8/9/2021 3:12 PM	15:00	7.27 pH	21.28 °C	173.08 µS/cm	0.33 mg/L	2.62 NTU	24.4 mV	14.28 ft	200.00 ml/min
8/9/2021 3:17 PM	20:00	7.25 pH	21.17 °C	172.74 µS/cm	0.28 mg/L	3.71 NTU	14.3 mV	14.29 ft	200.00 ml/min
8/9/2021 3:22 PM	25:00	7.23 pH	21.11 °C	172.29 µS/cm	0.24 mg/L	2.50 NTU	8.4 mV	14.29 ft	200.00 ml/min
8/9/2021 3:27 PM	30:00	7.23 pH	21.33 °C	170.87 µS/cm	0.23 mg/L	2.76 NTU	3.7 mV	14.29 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWA-1	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/9/2021 1:24:54

PM Project: GP-Plant Hammond

Operator Name: Ashley Ramsey

<b>Location Name: GWA-2</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 15.81 ft</b> <b>Initial Depth to Water: 6.45 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 20.81 ft</b> <b>Estimated Total Volume Pumped: 6 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.14 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

Three bottles: Metals, Inorganics, TDS. Total depth = 26.01

## Weather Conditions:

Sunny, 91 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2021 1:24 PM	00:00	6.88 pH	27.18 °C	421.24 µS/cm	0.76 mg/L	1.73 NTU	-32.3 mV	6.61 ft	200.00 ml/min
8/9/2021 1:29 PM	05:00	6.88 pH	24.44 °C	373.31 µS/cm	0.50 mg/L	3.32 NTU	-40.3 mV	6.63 ft	200.00 ml/min
8/9/2021 1:34 PM	10:00	6.88 pH	24.98 °C	438.71 µS/cm	0.61 mg/L	3.90 NTU	-27.6 mV	6.59 ft	200.00 ml/min
8/9/2021 1:37 PM	12:37	6.89 pH	25.22 °C	435.50 µS/cm	0.59 mg/L	3.84 NTU	-28.5 mV	6.59 ft	200.00 ml/min
8/9/2021 1:42 PM	17:37	6.89 pH	24.83 °C	435.44 µS/cm	0.50 mg/L	1.83 NTU	-25.4 mV	6.59 ft	200.00 ml/min
8/9/2021 1:47 PM	22:37	6.89 pH	24.96 °C	433.88 µS/cm	0.47 mg/L	1.40 NTU	-40.8 mV	6.59 ft	200.00 ml/min
8/9/2021 1:52 PM	27:37	6.89 pH	24.50 °C	436.23 µS/cm	0.49 mg/L	1.77 NTU	-40.7 mV	6.59 ft	200.00 ml/min
8/9/2021 1:57 PM	32:37	6.90 pH	24.33 °C	434.46 µS/cm	0.44 mg/L	0.86 NTU	-41.0 mV	6.59 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWA-2	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/9/2021 3:01:25 PM

Project: GP-Plant Hammond

Operator Name: Thomas Kessler

<b>Location Name: GWA-3</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 11.09 ft</b> <b>Initial Depth to Water: 5.15 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 16.09 ft</b> <b>Estimated Total Volume Pumped: 7 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.33 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728634</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 21.65

## Weather Conditions:

Sunny, 90 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2021 3:01 PM	00:00	7.06 pH	26.23 °C	666.82 µS/cm	0.89 mg/L	12.20 NTU	-18.4 mV	5.45 ft	200.00 ml/min
8/9/2021 3:06 PM	05:00	7.01 pH	24.50 °C	753.03 µS/cm	0.76 mg/L	14.87 NTU	-18.3 mV	5.46 ft	200.00 ml/min
8/9/2021 3:11 PM	10:00	6.98 pH	24.05 °C	731.36 µS/cm	0.82 mg/L	11.90 NTU	-26.7 mV	5.46 ft	200.00 ml/min
8/9/2021 3:16 PM	15:00	6.95 pH	23.60 °C	735.33 µS/cm	0.81 mg/L	11.63 NTU	-23.1 mV	5.48 ft	200.00 ml/min
8/9/2021 3:21 PM	20:00	6.92 pH	23.73 °C	704.81 µS/cm	0.69 mg/L	8.83 NTU	-17.4 mV	5.48 ft	200.00 ml/min
8/9/2021 3:26 PM	25:00	6.90 pH	24.03 °C	674.89 µS/cm	0.67 mg/L	6.42 NTU	-14.5 mV	5.48 ft	200.00 ml/min
8/9/2021 3:31 PM	30:00	6.89 pH	24.45 °C	706.38 µS/cm	0.68 mg/L	3.73 NTU	-13.5 mV	5.48 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWA-3	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/9/2021 1:43:47 PM

Project: GP- Plant Hammond

Operator Name: Thomas Kessler

<b>Location Name: GWA-4</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 11.39 ft</b> <b>Initial Depth to Water: 11.61 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 16.39</b> <b>Estimated Total Volume Pumped:</b> <b>7 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.19 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728634</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 21.75

## Weather Conditions:

Sunny, 90 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/9/2021 1:43 PM	00:00	7.47 pH	23.78 °C	648.64 µS/cm	0.58 mg/L	0.49 NTU	114.5 mV	11.75 ft	200.00 ml/min
8/9/2021 1:48 PM	05:00	7.05 pH	22.08 °C	526.43 µS/cm	0.38 mg/L	0.42 NTU	104.9 mV	11.76 ft	200.00 ml/min
8/9/2021 1:53 PM	10:00	6.93 pH	21.81 °C	525.49 µS/cm	0.49 mg/L	0.61 NTU	126.7 mV	11.78 ft	200.00 ml/min
8/9/2021 1:58 PM	15:00	6.87 pH	21.91 °C	534.18 µS/cm	0.26 mg/L	0.33 NTU	126.4 mV	11.79 ft	200.00 ml/min
8/9/2021 2:03 PM	20:00	6.81 pH	22.63 °C	426.02 µS/cm	0.35 mg/L	0.38 NTU	125.5 mV	11.79 ft	200.00 ml/min
8/9/2021 2:08 PM	25:00	6.80 pH	22.52 °C	551.01 µS/cm	0.35 mg/L	0.45 NTU	120.3 mV	11.80 ft	200.00 ml/min
8/9/2021 2:13 PM	30:00	6.78 pH	22.61 °C	552.78 µS/cm	0.26 mg/L	0.35 NTU	112.7 mV	11.80 ft	200.00 ml/min
8/9/2021 2:18 PM	35:00	6.76 pH	22.51 °C	553.88 µS/cm	0.44 mg/L	0.26 NTU	103.3 mV	11.80 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWA-4	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/10/2021 8:45:32 AM

Project: GP-Plant Hammond

Operator Name: Thomas Kessler

<b>Location Name: GWA-11</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 25.90 ft</b> <b>Initial Depth to Water: 17.60 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 30.90 ft</b> <b>Estimated Total Volume Pumped: 6 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.37 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728634</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 36.45 ft.

## Weather Conditions:

Sunny, 80 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 8:45 AM	00:00	6.91 pH	18.33 °C	183.65 µS/cm	0.30 mg/L	6.71 NTU	-18.1 mV	17.97 ft	200.00 ml/min
8/10/2021 8:50 AM	05:00	6.87 pH	17.62 °C	186.74 µS/cm	0.21 mg/L	12.25 NTU	-21.1 mV	17.97 ft	200.00 ml/min
8/10/2021 8:55 AM	10:00	6.86 pH	17.62 °C	187.19 µS/cm	0.20 mg/L	2.83 NTU	-31.2 mV	17.97 ft	200.00 ml/min
8/10/2021 9:00 AM	15:00	6.85 pH	17.87 °C	188.27 µS/cm	0.14 mg/L	2.00 NTU	-20.9 mV	17.97 ft	200.00 ml/min
8/10/2021 9:05 AM	20:00	6.84 pH	18.00 °C	187.43 µS/cm	0.13 mg/L	0.82 NTU	-20.5 mV	17.97 ft	200.00 ml/min
8/10/2021 9:10 AM	25:00	6.84 pH	17.85 °C	188.25 µS/cm	0.12 mg/L	0.84 NTU	-20.0 mV	17.97 ft	200.00 ml/min
8/10/2021 9:15 AM	30:00	6.84 pH	17.71 °C	188.19 µS/cm	0.11 mg/L	1.21 NTU	-19.3 mV	17.97 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWA-11	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/10/2021 9:10:06 AM

Project: GP-Plant Hammond

Operator Name: Ashley Ramsey

<b>Location Name: GWC-5</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 11.41 ft</b> <b>Total Depth: 21.41 ft</b> <b>Initial Depth to Water: 5.59 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 16.41 ft</b> <b>Estimated Total Volume Pumped: 6 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.05 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 21.60

## Weather Conditions:

Sunny, 91 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 9:10 AM	00:00	6.87 pH	24.87 °C	578.32 µS/cm	1.77 mg/L	7.79 NTU	10.0 mV	5.59 ft	200.00 ml/min
8/10/2021 9:15 AM	05:00	6.88 pH	23.15 °C	582.11 µS/cm	0.77 mg/L	8.72 NTU	-8.0 mV	5.64 ft	200.00 ml/min
8/10/2021 9:20 AM	10:00	6.87 pH	23.08 °C	584.60 µS/cm	0.42 mg/L	4.82 NTU	-16.6 mV	5.64 ft	200.00 ml/min
8/10/2021 9:25 AM	15:00	6.88 pH	23.16 °C	584.09 µS/cm	0.21 mg/L	4.93 NTU	-21.5 mV	5.64 ft	200.00 ml/min
8/10/2021 9:30 AM	20:00	6.87 pH	23.21 °C	583.04 µS/cm	0.16 mg/L	2.88 NTU	-14.6 mV	5.64 ft	200.00 ml/min
8/10/2021 9:35 AM	25:00	6.87 pH	23.18 °C	581.22 µS/cm	0.13 mg/L	2.44 NTU	-16.3 mV	5.64 ft	200.00 ml/min
8/10/2021 9:40 AM	30:00	6.87 pH	23.25 °C	578.62 µS/cm	0.12 mg/L	4.40 NTU	-28.7 mV	5.64 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-5	Grab Sample.



# Low-Flow Test Report:

Test Date / Time: 8/10/2021 11:17:21 AM

Project: GP-Plant Hammond bladder

Operator Name: Connor Cain

<b>Location Name: GWC-6</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 32.58 ft</b> <b>Total Depth: 42.58 ft</b> <b>Initial Depth to Water: 16.34 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 37.58 ft</b> <b>Estimated Total Volume Pumped: 8 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.14 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 42.82

## Weather Conditions:

Sunny, 75F

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 11:17 AM	00:00	7.11 pH	23.12 °C	474.71 µS/cm	0.81 mg/L	29.80 NTU	-60.0 mV	16.46 ft	200.00 ml/min
8/10/2021 11:22 AM	05:00	7.08 pH	21.58 °C	483.35 µS/cm	0.70 mg/L	19.00 NTU	-57.5 mV	16.46 ft	200.00 ml/min
8/10/2021 11:27 AM	10:00	7.08 pH	21.60 °C	482.77 µS/cm	0.66 mg/L	22.50 NTU	-58.4 mV	16.46 ft	200.00 ml/min
8/10/2021 11:32 AM	15:00	7.07 pH	21.84 °C	488.93 µS/cm	0.54 mg/L	13.80 NTU	-76.6 mV	16.47 ft	200.00 ml/min
8/10/2021 11:37 AM	20:00	7.07 pH	21.54 °C	485.50 µS/cm	0.58 mg/L	11.20 NTU	-58.2 mV	16.47 ft	200.00 ml/min
8/10/2021 11:42 AM	25:00	7.06 pH	21.62 °C	492.94 µS/cm	0.51 mg/L	7.15 NTU	-61.9 mV	16.47 ft	200.00 ml/min
8/10/2021 11:47 AM	30:00	7.06 pH	21.85 °C	490.55 µS/cm	0.51 mg/L	6.30 NTU	-78.1 mV	16.47 ft	200.00 ml/min
8/10/2021 11:52 AM	35:00	7.06 pH	22.00 °C	493.18 µS/cm	0.47 mg/L	4.07 NTU	-63.4 mV	16.48 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-6	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/10/2021 10:17:00 AM

Project: GP-Plant Hammond

Operator Name: Ashley Ramsey

<b>Location Name: GWC-7</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 21.91 ft</b> <b>Total Depth: 31.91 ft</b> <b>Initial Depth to Water: 15.7 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 26.91 ft</b> <b>Estimated Total Volume Pumped: 11.5 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 0.16 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total Depth = 32.20

## Weather Conditions:

Sunny, 91 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 10:17 AM	00:00	6.69 pH	29.79 °C	475.03 µS/cm	3.03 mg/L	23.30 NTU	-64.3 mV	15.70 ft	200.00 ml/min
8/10/2021 10:22 AM	05:00	6.53 pH	23.07 °C	490.68 µS/cm	0.27 mg/L	56.60 NTU	-59.1 mV	15.90 ft	200.00 ml/min
8/10/2021 10:27 AM	10:00	6.49 pH	22.62 °C	481.46 µS/cm	0.17 mg/L	30.50 NTU	-54.5 mV	15.92 ft	200.00 ml/min
8/10/2021 10:32 AM	15:00	6.44 pH	22.76 °C	468.95 µS/cm	0.15 mg/L	15.70 NTU	-49.9 mV	15.92 ft	200.00 ml/min
8/10/2021 10:37 AM	20:00	6.39 pH	22.49 °C	457.11 µS/cm	0.13 mg/L	18.50 NTU	-42.9 mV	15.92 ft	200.00 ml/min
8/10/2021 10:42 AM	25:00	6.35 pH	22.60 °C	450.22 µS/cm	0.12 mg/L	13.80 NTU	-39.1 mV	15.92 ft	200.00 ml/min
8/10/2021 10:47 AM	30:00	6.34 pH	22.58 °C	446.94 µS/cm	0.11 mg/L	9.04 NTU	-37.3 mV	15.92 ft	200.00 ml/min
8/10/2021 10:52 AM	35:00	6.33 pH	23.21 °C	449.94 µS/cm	0.12 mg/L	7.20 NTU	-39.5 mV	15.92 ft	200.00 ml/min
8/10/2021 10:57 AM	40:00	6.31 pH	23.44 °C	442.95 µS/cm	0.13 mg/L	9.50 NTU	-36.4 mV	15.92 ft	200.00 ml/min
8/10/2021 11:02 AM	45:00	6.31 pH	23.79 °C	444.38 µS/cm	0.13 mg/L	6.68 NTU	-39.2 mV	15.85 ft	100.00 ml/min
8/10/2021 11:07 AM	50:00	6.30 pH	23.99 °C	446.56 µS/cm	0.14 mg/L	9.80 NTU	-39.6 mV	15.85 ft	100.00 ml/min
8/10/2021 11:12 AM	55:00	6.30 pH	24.20 °C	444.33 µS/cm	0.15 mg/L	7.23 NTU	-39.3 mV	15.85 ft	100.00 ml/min
8/10/2021 11:17 AM	01:00:00	6.31 pH	24.17 °C	447.98 µS/cm	0.15 mg/L	6.58 NTU	-41.3 mV	15.85 ft	100.00 ml/min

8/10/2021 11:22 AM	01:05:00	6.30 pH	24.08 °C	447.15 µS/cm	0.15 mg/L	5.58 NTU	-40.8 mV	15.86 ft	100.00 ml/min
8/10/2021 11:27 AM	01:10:00	6.30 pH	24.47 °C	445.85 µS/cm	0.14 mg/L	5.25 NTU	-46.8 mV	15.86 ft	100.00 ml/min
8/10/2021 11:32 AM	01:15:00	6.29 pH	24.69 °C	443.90 µS/cm	0.15 mg/L	4.50 NTU	-40.6 mV	15.86 ft	100.00 ml/min

## Samples

Sample ID:	Description:
GWC-7	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/10/2021 1:10:32 PM

Project: GP-Plant Hammond

Operator Name: Connor Cain

Initial Depth to Water: 12.44 ft

<b>Location Name: GWC-8</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 17.13 ft</b> <b>Initial Depth to Water: 12.44 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 22.13 ft</b> <b>Estimated Total Volume Pumped: 6 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 2.54 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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Test Notes: Metals, Inorganics, TDS, Total depth = 27.35

## Weather Conditions:

Sunny, 85 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 1:10 PM	00:00	8.19 pH	35.10 °C	0.18 µS/cm	6.73 mg/L	26.50 NTU	59.7 mV	14.35 ft	200.00 ml/min
8/10/2021 1:15 PM	05:00	6.71 pH	23.34 °C	746.10 µS/cm	1.11 mg/L	24.60 NTU	-69.0 mV	14.69 ft	200.00 ml/min
8/10/2021 1:20 PM	10:00	6.71 pH	22.38 °C	767.44 µS/cm	1.08 mg/L	21.40 NTU	-77.5 mV	14.76 ft	200.00 ml/min
8/10/2021 1:25 PM	15:00	6.67 pH	21.85 °C	797.59 µS/cm	0.92 mg/L	16.20 NTU	-72.0 mV	14.88 ft	200.00 ml/min
8/10/2021 1:30 PM	20:00	6.65 pH	21.73 °C	806.63 µS/cm	0.88 mg/L	8.59 NTU	-70.8 mV	14.98 ft	200.00 ml/min
8/10/2021 1:35 PM	25:00	6.65 pH	21.73 °C	807.94 µS/cm	0.71 mg/L	4.19 NTU	-73.5 mV	14.98 ft	200.00 ml/min
8/10/2021 1:40 PM	30:00	6.65 pH	21.51 °C	795.79 µS/cm	0.72 mg/L	3.73 NTU	-73.9 mV	14.98 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-8	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/10/2021 12:34:57 PM

Project: GP-Plant Hammond peri

Operator Name: Ashley Ramsey

<b>Location Name: GWC-9</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 41.91 ft</b> <b>Total Depth: 51.91 ft</b> <b>Initial Depth to Water: 15.4 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 46.91 ft</b> <b>Estimated Total Volume Pumped: 6 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.18 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 52.44

## Weather Conditions:

Sunny, 91 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 12:34 PM	00:00	7.17 pH	30.31 °C	276.35 µS/cm	3.82 mg/L	18.00 NTU	57.8 mV	15.40 ft	200.00 ml/min
8/10/2021 12:39 PM	05:00	6.97 pH	23.30 °C	322.26 µS/cm	1.44 mg/L	5.63 NTU	-79.4 mV	15.56 ft	200.00 ml/min
8/10/2021 12:44 PM	10:00	6.95 pH	22.85 °C	328.80 µS/cm	0.50 mg/L	4.70 NTU	-90.4 mV	15.58 ft	200.00 ml/min
8/10/2021 12:49 PM	15:00	6.95 pH	22.68 °C	329.73 µS/cm	0.32 mg/L	3.66 NTU	-91.5 mV	15.58 ft	200.00 ml/min
8/10/2021 12:54 PM	20:00	6.92 pH	22.74 °C	332.03 µS/cm	0.28 mg/L	4.86 NTU	-91.6 mV	15.58 ft	200.00 ml/min
8/10/2021 12:59 PM	25:00	6.93 pH	22.96 °C	329.95 µS/cm	0.26 mg/L	3.09 NTU	-91.5 mV	15.58 ft	200.00 ml/min
8/10/2021 1:04 PM	30:00	6.91 pH	23.03 °C	329.08 µS/cm	0.23 mg/L	3.51 NTU	-91.1 mV	15.58 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-9	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/10/2021 9:53:33 AM

Project: GP-Plant Hammond

Operator Name: Thomas Kessler

<b>Location Name: GWC-10</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 23.98 ft</b> <b>Initial Depth to Water: 15.36 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 28.98 ft</b> <b>Estimated Total Volume Pumped: 23 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.04 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728634</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 34.50

## Weather Conditions:

Sunny, 80 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 9:53 AM	00:00	7.37 pH	19.67 °C	326.04 µS/cm	0.75 mg/L	181.00 NTU	-81.3 mV	15.38 ft	200.00 ml/min
8/10/2021 9:58 AM	05:00	7.43 pH	18.68 °C	327.71 µS/cm	0.58 mg/L	97.20 NTU	-98.9 mV	15.38 ft	200.00 ml/min
8/10/2021 10:03 AM	10:00	7.44 pH	18.69 °C	323.50 µS/cm	0.53 mg/L	69.60 NTU	-99.7 mV	15.40 ft	200.00 ml/min
8/10/2021 10:08 AM	15:00	7.44 pH	18.77 °C	320.97 µS/cm	0.51 mg/L	57.60 NTU	-82.6 mV	15.40 ft	200.00 ml/min
8/10/2021 10:13 AM	20:00	7.45 pH	18.53 °C	316.25 µS/cm	0.50 mg/L	49.80 NTU	-81.8 mV	15.40 ft	200.00 ml/min
8/10/2021 10:18 AM	25:00	7.45 pH	18.67 °C	315.93 µS/cm	0.52 mg/L	35.60 NTU	-83.5 mV	15.40 ft	200.00 ml/min
8/10/2021 10:23 AM	30:00	7.44 pH	18.73 °C	330.09 µS/cm	0.48 mg/L	26.20 NTU	-85.2 mV	15.40 ft	200.00 ml/min
8/10/2021 10:28 AM	35:00	7.45 pH	18.81 °C	328.03 µS/cm	0.52 mg/L	22.60 NTU	-85.7 mV	15.40 ft	200.00 ml/min
8/10/2021 10:33 AM	40:00	7.44 pH	18.94 °C	326.01 µS/cm	0.53 mg/L	18.20 NTU	-86.1 mV	15.40 ft	200.00 ml/min
8/10/2021 10:38 AM	45:00	7.44 pH	18.88 °C	322.74 µS/cm	0.54 mg/L	14.90 NTU	-86.7 mV	15.40 ft	200.00 ml/min
8/10/2021 10:43 AM	50:00	7.45 pH	18.79 °C	318.53 µS/cm	0.51 mg/L	12.00 NTU	-86.1 mV	15.40 ft	200.00 ml/min
8/10/2021 10:48 AM	55:00	7.44 pH	19.08 °C	318.17 µS/cm	0.51 mg/L	11.10 NTU	-104.3 mV	15.40 ft	200.00 ml/min
8/10/2021 10:53 AM	01:00:00	7.44 pH	19.00 °C	316.23 µS/cm	0.51 mg/L	11.60 NTU	-87.0 mV	15.40 ft	200.00 ml/min

8/10/2021 10:58 AM	01:05:00	7.45 pH	19.00 °C	317.86 µS/cm	0.50 mg/L	9.22 NTU	-103.9 mV	15.40 ft	200.00 ml/min
8/10/2021 11:03 AM	01:10:00	7.44 pH	19.15 °C	317.31 µS/cm	0.49 mg/L	11.00 NTU	-88.2 mV	15.40 ft	200.00 ml/min
8/10/2021 11:08 AM	01:15:00	7.44 pH	19.29 °C	316.93 µS/cm	0.48 mg/L	8.32 NTU	-88.5 mV	15.40 ft	200.00 ml/min
8/10/2021 11:13 AM	01:20:00	7.45 pH	19.05 °C	312.31 µS/cm	0.48 mg/L	7.97 NTU	-104.2 mV	15.40 ft	200.00 ml/min
8/10/2021 11:18 AM	01:25:00	7.45 pH	19.19 °C	315.87 µS/cm	0.50 mg/L	6.78 NTU	-88.1 mV	15.40 ft	200.00 ml/min
8/10/2021 11:23 AM	01:30:00	7.44 pH	19.17 °C	318.27 µS/cm	0.50 mg/L	6.95 NTU	-89.0 mV	15.40 ft	200.00 ml/min
8/10/2021 11:28 AM	01:35:00	7.44 pH	19.36 °C	320.04 µS/cm	0.50 mg/L	6.49 NTU	-89.8 mV	15.40 ft	200.00 ml/min
8/10/2021 11:33 AM	01:40:00	7.45 pH	19.33 °C	320.53 µS/cm	0.50 mg/L	6.08 NTU	-89.2 mV	15.40 ft	200.00 ml/min
8/10/2021 11:38 AM	01:45:00	7.45 pH	19.27 °C	321.11 µS/cm	0.51 mg/L	5.10 NTU	-89.6 mV	15.40 ft	200.00 ml/min
8/10/2021 11:43 AM	01:50:00	7.45 pH	19.27 °C	319.01 µS/cm	0.49 mg/L	4.21 NTU	-89.3 mV	15.40 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-10	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/10/2021 1:45:53 PM

Project: GP-Plant Hammond

Operator Name: Ashley Ramsey

<b>Location Name: GWC-18</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 47.02 ft</b> <b>Total Depth: 57.02 ft</b> <b>Initial Depth to Water: 14.74 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 52.02 ft</b> <b>Estimated Total Volume Pumped: 6 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.96 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 57.10

## Weather Conditions:

Sunny, 91 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 1:45 PM	00:00	7.31 pH	36.20 °C	343.33 µS/cm	3.00 mg/L	2.21 NTU	63.0 mV	14.44 ft	200.00 ml/min
8/10/2021 1:50 PM	05:00	7.36 pH	22.67 °C	375.32 µS/cm	0.38 mg/L	1.69 NTU	78.9 mV	15.55 ft	200.00 ml/min
8/10/2021 1:55 PM	10:00	7.38 pH	21.93 °C	376.58 µS/cm	0.28 mg/L	1.87 NTU	61.9 mV	15.58 ft	200.00 ml/min
8/10/2021 2:00 PM	15:00	7.38 pH	23.13 °C	379.35 µS/cm	0.29 mg/L	2.86 NTU	59.3 mV	15.67 ft	200.00 ml/min
8/10/2021 2:05 PM	20:00	7.38 pH	23.12 °C	375.69 µS/cm	0.27 mg/L	2.38 NTU	55.6 mV	15.70 ft	200.00 ml/min
8/10/2021 2:10 PM	25:00	7.40 pH	23.09 °C	372.71 µS/cm	0.23 mg/L	2.15 NTU	41.4 mV	15.70 ft	200.00 ml/min
8/10/2021 2:15 PM	30:00	7.39 pH	23.11 °C	374.47 µS/cm	0.23 mg/L	1.82 NTU	33.7 mV	15.70 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-18	Grab Sample.



# Low-Flow Test Report:

Test Date / Time: 8/10/2021 3:00:44 PM

Project: GP-Plant Hammond

Operator Name: Ashley Ramsey

<b>Location Name: GWC-19</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 47.51 ft</b> <b>Initial Depth to Water: 19.73 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 52.51 ft</b> <b>Estimated Total Volume Pumped: 4.5 Liters</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 1.19 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728623</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 56.90

## Weather Conditions:

Sunny, 91 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 3:00 PM	00:00	7.53 pH	38.82 °C	356.03 µS/cm	3.97 mg/L	9.77 NTU	26.8 mV	19.73 ft	200.00 ml/min
8/10/2021 3:05 PM	05:00	7.50 pH	26.49 °C	367.94 µS/cm	0.92 mg/L	10.96 NTU	-72.2 mV	20.92 ft	200.00 ml/min
8/10/2021 3:10 PM	10:00	7.50 pH	25.51 °C	375.62 µS/cm	0.66 mg/L	7.11 NTU	-91.4 mV	20.92 ft	100.00 ml/min
8/10/2021 3:15 PM	15:00	7.51 pH	25.07 °C	376.82 µS/cm	0.50 mg/L	5.32 NTU	-92.5 mV	20.92 ft	100.00 ml/min
8/10/2021 3:20 PM	20:00	7.50 pH	25.17 °C	379.57 µS/cm	0.45 mg/L	8.63 NTU	-79.2 mV	20.92 ft	100.00 ml/min
8/10/2021 3:25 PM	25:00	7.50 pH	25.42 °C	381.21 µS/cm	0.40 mg/L	6.27 NTU	-80.6 mV	20.92 ft	100.00 ml/min
8/10/2021 3:30 PM	30:00	7.50 pH	25.32 °C	377.88 µS/cm	0.37 mg/L	5.02 NTU	-79.6 mV	20.92 ft	100.00 ml/min
8/10/2021 3:35 PM	35:00	7.48 pH	25.10 °C	384.64 µS/cm	0.35 mg/L	4.98 NTU	-76.6 mV	20.92 ft	100.00 ml/min
8/10/2021 3:40 PM	40:00	7.49 pH	24.92 °C	382.77 µS/cm	0.31 mg/L	4.08 NTU	-90.0 mV	20.92 ft	100.00 ml/min
8/10/2021 3:43 PM	42:39	7.62 pH	25.13 °C	0.91 µS/cm	4.65 mg/L	--	21.3 mV	20.92 ft	100.00 ml/min

## Samples

Sample ID:	Description:
GWC-19	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/10/2021 2:55:13 PM

Project: GP-Plant Hammond

Operator Name: Connor Cain

<b>Location Name: GWC-20</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 24.18 ft</b> <b>Initial Depth to Water: 5.19 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 29.13 ft</b> <b>Estimated Total Volume Pumped: 14 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.99 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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Test Notes: Three bottles: Metals, Inorganics, TDS. Total depth = 31.45

## Weather Conditions:

Sunny, 90 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 2:55 PM	00:00	7.42 pH	25.37 °C	392.68 µS/cm	0.65 mg/L	15.50 NTU	-141.6 mV	5.83 ft	200.00 ml/min
8/10/2021 3:00 PM	05:00	7.30 pH	22.84 °C	414.43 µS/cm	0.50 mg/L	12.30 NTU	-137.9 mV	6.02 ft	200.00 ml/min
8/10/2021 3:05 PM	10:00	7.30 pH	22.63 °C	411.09 µS/cm	0.47 mg/L	14.40 NTU	-147.1 mV	6.06 ft	200.00 ml/min
8/10/2021 3:10 PM	15:00	7.30 pH	22.36 °C	410.03 µS/cm	0.70 mg/L	13.30 NTU	-144.4 mV	6.09 ft	200.00 ml/min
8/10/2021 3:15 PM	20:00	7.31 pH	22.36 °C	408.57 µS/cm	0.65 mg/L	13.10 NTU	-143.1 mV	6.11 ft	200.00 ml/min
8/10/2021 3:20 PM	25:00	7.30 pH	22.46 °C	411.66 µS/cm	0.60 mg/L	11.20 NTU	-142.5 mV	6.14 ft	200.00 ml/min
8/10/2021 3:25 PM	30:00	7.31 pH	22.40 °C	406.06 µS/cm	0.44 mg/L	11.20 NTU	-142.9 mV	6.14 ft	200.00 ml/min
8/10/2021 3:30 PM	35:00	7.30 pH	22.39 °C	408.38 µS/cm	0.43 mg/L	11.80 NTU	-141.8 mV	6.18 ft	200.00 ml/min
8/10/2021 3:35 PM	40:00	7.30 pH	22.40 °C	408.85 µS/cm	0.42 mg/L	9.36 NTU	-140.9 mV	6.18 ft	200.00 ml/min
8/10/2021 3:40 PM	45:00	7.30 pH	22.36 °C	408.71 µS/cm	0.45 mg/L	7.85 NTU	-140.6 mV	6.18 ft	200.00 ml/min
8/10/2021 3:45 PM	50:00	7.30 pH	22.25 °C	405.24 µS/cm	0.44 mg/L	8.58 NTU	-139.1 mV	6.18 ft	200.00 ml/min
8/10/2021 3:50 PM	55:00	7.30 pH	22.45 °C	406.35 µS/cm	0.44 mg/L	5.49 NTU	-140.4 mV	6.18 ft	200.00 ml/min
8/10/2021 3:55 PM	01:00:00	7.31 pH	22.18 °C	405.31 µS/cm	0.35 mg/L	5.16 NTU	-142.6 mV	6.18 ft	200.00 ml/min

8/10/2021 4:00 PM	01:05:00	7.31 pH	22.01 °C	407.42 µS/cm	0.38 mg/L	4.76 NTU	-128.2 mV	6.18 ft	200.00 ml/min
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## Samples

Sample ID:	Description:
GWC-20	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/10/2021 2:38:45 PM

Project: GP-Plant Hammond

Operator Name: Thomas Kessler

<b>Location Name: GWC-21</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 8.23 ft</b> <b>Initial Depth to Water: 7.39 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 13.23 ft</b> <b>Estimated Total Volume Pumped: 19 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.23 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728634</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 18.50

## Weather Conditions:

Sunny, 90 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 2:38 PM	00:00	7.08 pH	22.67 °C	556.96 µS/cm	0.38 mg/L	0.95 NTU	-55.6 mV	7.62 ft	200.00 ml/min
8/10/2021 2:43 PM	05:00	7.07 pH	21.93 °C	564.95 µS/cm	0.23 mg/L	2.59 NTU	-58.2 mV	7.62 ft	200.00 ml/min
8/10/2021 2:48 PM	10:00	7.01 pH	21.94 °C	535.10 µS/cm	0.28 mg/L	2.53 NTU	-53.1 mV	7.62 ft	200.00 ml/min
8/10/2021 2:53 PM	15:00	6.71 pH	22.16 °C	426.24 µS/cm	0.93 mg/L	1.81 NTU	-26.7 mV	7.62 ft	200.00 ml/min
8/10/2021 2:58 PM	20:00	6.61 pH	22.25 °C	404.70 µS/cm	0.93 mg/L	1.31 NTU	-14.3 mV	7.62 ft	200.00 ml/min
8/10/2021 3:03 PM	25:00	6.56 pH	22.34 °C	389.67 µS/cm	0.96 mg/L	1.12 NTU	-10.6 mV	7.62 ft	200.00 ml/min
8/10/2021 3:08 PM	30:00	6.48 pH	22.30 °C	359.48 µS/cm	0.98 mg/L	0.92 NTU	-2.9 mV	7.62 ft	200.00 ml/min
8/10/2021 3:13 PM	35:00	6.40 pH	22.26 °C	330.95 µS/cm	0.86 mg/L	0.66 NTU	2.8 mV	7.62 ft	200.00 ml/min
8/10/2021 3:18 PM	40:00	6.34 pH	22.28 °C	307.56 µS/cm	0.70 mg/L	0.77 NTU	11.4 mV	7.62 ft	200.00 ml/min
8/10/2021 3:23 PM	45:00	6.27 pH	22.37 °C	289.92 µS/cm	0.52 mg/L	0.70 NTU	18.1 mV	7.62 ft	200.00 ml/min
8/10/2021 3:28 PM	50:00	6.23 pH	22.25 °C	277.97 µS/cm	0.39 mg/L	1.13 NTU	22.6 mV	7.62 ft	200.00 ml/min
8/10/2021 3:33 PM	55:00	6.18 pH	22.25 °C	265.43 µS/cm	0.30 mg/L	0.49 NTU	26.5 mV	7.62 ft	200.00 ml/min
8/10/2021 3:38 PM	01:00:00	6.16 pH	22.23 °C	258.70 µS/cm	0.24 mg/L	0.67 NTU	28.6 mV	7.62 ft	200.00 ml/min

8/10/2021 3:43 PM	01:05:00	6.13 pH	22.26 °C	248.63 µS/cm	0.21 mg/L	0.44 NTU	32.4 mV	7.62 ft	200.00 ml/min
8/10/2021 3:48 PM	01:10:00	6.11 pH	22.26 °C	242.93 µS/cm	0.17 mg/L	0.41 NTU	33.4 mV	7.62 ft	200.00 ml/min
8/10/2021 3:53 PM	01:15:00	6.08 pH	22.28 °C	236.09 µS/cm	0.16 mg/L	0.63 NTU	35.4 mV	7.62 ft	200.00 ml/min
8/10/2021 3:58 PM	01:20:00	6.07 pH	22.25 °C	234.53 µS/cm	0.15 mg/L	0.56 NTU	37.2 mV	7.62 ft	200.00 ml/min
8/10/2021 4:03 PM	01:25:00	6.06 pH	22.30 °C	230.44 µS/cm	0.14 mg/L	0.48 NTU	36.9 mV	7.62 ft	200.00 ml/min
8/10/2021 4:08 PM	01:30:00	6.05 pH	22.30 °C	226.57 µS/cm	0.13 mg/L	0.63 NTU	38.4 mV	7.62 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-21	Grab Sample.

# Low-Flow Test Report:

**Test Date / Time:** 8/10/2021 1:02:17 PM

**Project:** GP-Plant Hammond

**Operator Name:** Thomas Kessler

<b>Location Name: GWC-22</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 31.91 ft</b> <b>Initial Depth to Water: 4.30 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 36.91 ft</b> <b>Estimated Total Volume Pumped: 12 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.65 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728634</b>
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## Test Notes:

Three bottles: Metals, TDS, Inorganics. Total depth = 42.30

## Weather Conditions:

Sunny, 85 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 1:02 PM	00:00	7.66 pH	23.65 °C	355.79 µS/cm	1.94 mg/L	2.69 NTU	-150.5 mV	4.84 ft	200.00 ml/min
8/10/2021 1:07 PM	05:00	7.68 pH	22.58 °C	360.28 µS/cm	1.50 mg/L	1.01 NTU	-169.0 mV	4.84 ft	200.00 ml/min
8/10/2021 1:12 PM	10:00	7.68 pH	22.57 °C	361.38 µS/cm	1.41 mg/L	0.96 NTU	-153.8 mV	4.89 ft	200.00 ml/min
8/10/2021 1:17 PM	15:00	7.68 pH	22.35 °C	358.71 µS/cm	1.25 mg/L	3.61 NTU	-153.5 mV	4.93 ft	200.00 ml/min
8/10/2021 1:22 PM	20:00	7.68 pH	21.81 °C	360.63 µS/cm	1.28 mg/L	1.45 NTU	-153.5 mV	4.93 ft	200.00 ml/min
8/10/2021 1:27 PM	25:00	7.68 pH	22.27 °C	358.59 µS/cm	1.23 mg/L	2.35 NTU	-170.2 mV	4.93 ft	200.00 ml/min
8/10/2021 1:32 PM	30:00	7.69 pH	22.13 °C	356.37 µS/cm	1.27 mg/L	2.10 NTU	-169.0 mV	4.95 ft	200.00 ml/min
8/10/2021 1:37 PM	35:00	7.68 pH	22.26 °C	356.59 µS/cm	1.15 mg/L	0.69 NTU	-151.5 mV	4.95 ft	200.00 ml/min
8/10/2021 1:42 PM	40:00	7.69 pH	22.37 °C	352.22 µS/cm	1.05 mg/L	2.66 NTU	-166.5 mV	4.95 ft	200.00 ml/min
8/10/2021 1:47 PM	45:00	7.69 pH	22.37 °C	355.32 µS/cm	0.24 mg/L	0.93 NTU	-148.1 mV	4.95 ft	200.00 ml/min
8/10/2021 1:52 PM	50:00	7.76 pH	22.55 °C	358.15 µS/cm	0.21 mg/L	1.91 NTU	-139.5 mV	4.95 ft	200.00 ml/min
8/10/2021 1:57 PM	55:00	7.75 pH	22.43 °C	359.05 µS/cm	0.12 mg/L	3.90 NTU	-158.3 mV	4.95 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-22	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 8/10/2021 9:12:22 AM

Project: GP-Plant Hammond

Operator Name: Connor Cain

<b>Location Name: GWC-23</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 39.73 ft</b> <b>Total Depth: 49.73 ft</b> <b>Initial Depth to Water: 12.26 ft</b>	<b>Pump Type: Peri</b> <b>Tubing Type: Polyethylene</b> <b>Pump Intake From TOC: 44.73 ft</b> <b>Estimated Total Volume Pumped: 11 Liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.45 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728541</b>
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## Test Notes:

Three bottles: metals, TDS, inorganics. Total depth = 49.73

## Weather Conditions:

Sunny, 75 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
8/10/2021 9:12 AM	00:00	6.87 pH	18.38 °C	431.32 µS/cm	1.52 mg/L	7.64 NTU	-34.9 mV	12.71 ft	200.00 ml/min
8/10/2021 9:17 AM	05:00	6.88 pH	18.39 °C	422.90 µS/cm	1.82 mg/L	6.47 NTU	-29.5 mV	12.71 ft	200.00 ml/min
8/10/2021 9:22 AM	10:00	6.89 pH	18.83 °C	415.56 µS/cm	1.16 mg/L	7.45 NTU	-30.9 mV	12.71 ft	200.00 ml/min
8/10/2021 9:27 AM	15:00	6.88 pH	18.70 °C	408.90 µS/cm	1.13 mg/L	5.85 NTU	-47.8 mV	12.71 ft	200.00 ml/min
8/10/2021 9:32 AM	20:00	6.89 pH	18.62 °C	401.82 µS/cm	2.09 mg/L	6.39 NTU	-45.7 mV	12.71 ft	200.00 ml/min
8/10/2021 9:37 AM	25:00	6.89 pH	18.53 °C	396.70 µS/cm	1.02 mg/L	5.39 NTU	-28.0 mV	12.71 ft	200.00 ml/min
8/10/2021 9:42 AM	30:00	6.93 pH	18.67 °C	387.29 µS/cm	1.17 mg/L	4.80 NTU	-29.8 mV	12.71 ft	200.00 ml/min
8/10/2021 9:47 AM	35:00	6.94 pH	18.83 °C	375.83 µS/cm	1.30 mg/L	5.37 NTU	-48.8 mV	12.71 ft	200.00 ml/min
8/10/2021 9:52 AM	40:00	6.95 pH	18.92 °C	365.68 µS/cm	1.35 mg/L	3.96 NTU	-30.5 mV	12.71 ft	200.00 ml/min
8/10/2021 9:57 AM	45:00	6.96 pH	18.84 °C	360.32 µS/cm	1.31 mg/L	3.97 NTU	-51.0 mV	12.71 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-23	Grab Sample.

# Low-Flow Test Report:

Test Date / Time: 9/28/2021 9:46:15 AM

Project: GP-Plant Hammond

Operator Name: Thomas Kessler

<b>Location Name: GWC-8</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 17.13 ft</b> <b>Total Depth: 27.13 ft</b> <b>Initial Depth to Water: 11.45 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 22.13 ft</b> <b>Estimated Total Volume Pumped: 9.5 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 1.64 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728638</b>
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## Test Notes:

One bottle, metals.

## Weather Conditions:

Sunny, 60 degrees.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 0.2	+/- 5	+/- 10	+/- 0.3	
9/28/2021 9:46 AM	00:00	6.78 pH	19.38 °C	734.16 µS/cm	0.30 mg/L	8.33 NTU	-56.8 mV	12.82 ft	200.00 ml/min
9/28/2021 9:51 AM	05:00	6.67 pH	19.33 °C	815.70 µS/cm	0.20 mg/L	5.44 NTU	-53.6 mV	13.20 ft	200.00 ml/min
9/28/2021 9:56 AM	10:00	6.66 pH	19.18 °C	833.86 µS/cm	0.21 mg/L	1.60 NTU	-68.0 mV	13.18 ft	200.00 ml/min
9/28/2021 10:01 AM	15:00	6.66 pH	19.19 °C	841.90 µS/cm	0.31 mg/L	1.46 NTU	-66.8 mV	13.10 ft	200.00 ml/min
9/28/2021 10:06 AM	20:00	6.66 pH	19.20 °C	843.78 µS/cm	0.23 mg/L	1.48 NTU	-51.8 mV	13.10 ft	200.00 ml/min
9/28/2021 10:11 AM	25:00	6.67 pH	19.18 °C	843.15 µS/cm	0.31 mg/L	1.22 NTU	-69.3 mV	13.09 ft	200.00 ml/min
9/28/2021 10:16 AM	30:00	6.67 pH	19.20 °C	842.49 µS/cm	0.20 mg/L	1.40 NTU	-70.5 mV	13.09 ft	200.00 ml/min
9/28/2021 10:21 AM	35:00	6.68 pH	19.23 °C	839.71 µS/cm	0.19 mg/L	1.25 NTU	-54.0 mV	13.09 ft	200.00 ml/min
9/28/2021 10:26 AM	40:00	6.69 pH	19.26 °C	824.54 µS/cm	0.19 mg/L	1.76 NTU	-54.6 mV	13.09 ft	200.00 ml/min
9/28/2021 10:31 AM	45:00	6.70 pH	19.32 °C	806.95 µS/cm	0.19 mg/L	1.09 NTU	-55.5 mV	13.09 ft	200.00 ml/min
9/28/2021 10:36 AM	50:00	6.71 pH	19.33 °C	791.10 µS/cm	0.18 mg/L	1.35 NTU	-56.1 mV	13.09 ft	200.00 ml/min
9/28/2021 10:41 AM	55:00	6.72 pH	19.36 °C	778.97 µS/cm	0.17 mg/L	1.07 NTU	-74.2 mV	13.09 ft	200.00 ml/min
9/28/2021 10:46 AM	01:00:00	6.73 pH	19.41 °C	768.11 µS/cm	0.18 mg/L	1.36 NTU	-57.5 mV	13.09 ft	200.00 ml/min



9/28/2021 10:51 AM	01:05:00	6.74 pH	19.47 °C	754.56 µS/cm	0.19 mg/L	1.16 NTU	-75.2 mV	13.09 ft	200.00 ml/min
9/28/2021 10:56 AM	01:10:00	6.75 pH	19.58 °C	742.10 µS/cm	0.16 mg/L	1.65 NTU	-59.2 mV	13.09 ft	200.00 ml/min
9/28/2021 11:01 AM	01:15:00	6.76 pH	19.51 °C	736.29 µS/cm	0.15 mg/L	1.18 NTU	-59.2 mV	13.09 ft	200.00 ml/min
9/28/2021 11:06 AM	01:20:00	6.77 pH	19.60 °C	725.98 µS/cm	0.15 mg/L	1.73 NTU	-59.7 mV	13.09 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-8	Grab Sample.

# Calibration Logs

EQUIPMENT CALIBRATION LOG

Field Technician: Chad Russo

Date: 3/8/2021

Time (start): 1315

Time (finish): 1326

smarTroll SN: 728550

Turbidity Meter Type: LaMotte 2020w

SN: 6411-1416

Weather Conditions: 650P Sunny

Facility and Unit: Plant Hammond AP-1/2

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20010025 8/2021	24.29	4490	4773.2	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)			4.00	4.11	4	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
Mid-Day pH (7) check	19340057 8/2021	23.61	4.00	7.1	7	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	19326102 8/2021	23.15	7.00	10.03	10	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
Mid-Day pH (7) check	20010025 8/2021	20.58	7.00	4.01	4.09	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	19340057 8/2021	20.28	10.00	7.01	7.01	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
Mid-Day pH (10) check	19326102 8/2021	21.13	10.00	10.03	10.03	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19960167 8/2021	22.54	228	228.4	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	103.5	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	0	0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1.00	0.5	0.5	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10.00	10.05	10.05	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Thomas Kessler Date: 3/18/21 Time (start): 1335 Time (finish): 1400  
 SmartTroll SN: 728566 Turbidity Meter Type: LaMotte 2020we SN: 2289-2612  
 Weather Conditions: Sunny, 70° Facility and Unit: Plant Hammond AP-1/2 Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20010028	25°	4490	5142.2	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	08/21		4.00	4.02	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (4) check	<del>/</del>	<del>21.66</del>	<del>4.00</del>	<del>/</del>	<del>/</del>	<del>+/- 0.1 SU</del>	<del>Yes</del> <del>No</del>	
pH (7)	08/21 19340057	21.24	7.00	7.05	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (7) check	<del>/</del>	<del>/</del>	<del>7.00</del>	<del>/</del>	<del>/</del>	<del>+/- 0.1 SU</del>	<del>Yes</del> <del>No</del>	
pH (10)	19320102 08/21	21.74	10.00	10.00	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (10) check	<del>/</del>	<del>/</del>	<del>10.00</del>	<del>/</del>	<del>/</del>	<del>+/- 0.1 SU</del>	<del>Yes</del> <del>No</del>	
ORP (mV)	192160167 05/21	21.10	228	223.3	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	102.71	100.16	+/- 6% saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0.67	0.03	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1.00	0.50	1.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10.00	11.11	9.44	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

**EQUIPMENT CALIBRATION LOG**

Field Technician: VASHISH TADKOOTZ

Date: 3-8-2021

Time (start): 14 12

Time (finish): 14 34

smarTroll SN: 728563

Turbidity Meter Type: LaMotte 2020we

SN: 710-0711

Weather Conditions: SUNNY, 66°F

Facility and Unit: Plant Hammond AP-1/2

Project No.: GW6581

**Calibration log**

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20010025	21.19	4490	166,122	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	08/21		4.00	4.02	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
<del>Mid-Day pH (4) check</del>		20.25	4.00			<del>+/- 0.1 SU</del>	<del><input type="radio"/> Yes <input type="radio"/> No</del>	
pH (7)		20.25	7.00	7.20	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
<del>Mid-Day pH (7) check</del>			7.00			<del>+/- 0.1 SU</del>	<del><input type="radio"/> Yes <input type="radio"/> No</del>	
pH (10)	19320102 8/21	19.97	10.00	10.18	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
<del>Mid-Day pH (10) check</del>			10.00			<del>+/- 0.1 SU</del>	<del><input type="radio"/> Yes <input type="radio"/> No</del>	
ORP (mV)	19460167 8/21	19.55	228	223.4	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	106.65	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	-0.03	0.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1.00	1.22	1.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10.00	10.45	10.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Chad Russo Date: 3/1/2021 Time (start): 0750 Time (finish): 0810  
 SmartTroll SN: PL8550 Turbidity Meter Type: LaMotte 2020we SN: 6411-1416  
 Weather Conditions: 30°P Sunny Facility and Unit: Plant Hammond AP-1/2 Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	26010025 8/2021	14.77	4490	4465.6	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)			4.00	4.05	4	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (4) check	20010025 8/21	26.13	4.00	4.15	4	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	19340057 8/2021	14.9	7.00	7.02	7	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (7) check	19340057 8/2021	18.63	7.00	7.12	7	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	19320102 8/2021	14.93	10.00	10.06	10	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (10) check	19320102 8/2021	17.86	10.00	10.01	10	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	19460167 8/2021	14.7	228	240.3	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	73.17	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0.23	0.23	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1.00	0.90	0.90	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10.00	9.92	9.92	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

**EQUIPMENT CALIBRATION LOG**

Field Technician: Thomas Hessler Date: 3/19/21 Time (start): 0720 Time (finish): 0752  
 smarTroll SN: 728566 Turbidity Meter Type: LaMotte 2020we SN: 2289-2612  
 Weather Conditions: Sunny 45° Facility and Unit: Plant Hammond AP-1/2 Project No.: GW6581

**Calibration log**

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)			4490	4493.0	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)	20010025 08/21	5.26°	4.00	4.00	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
Mid-Day pH (4) check			4.00	4.10	<del>4.10</del>	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	within range
pH (7)	14340057 08/21	5.58	7.00	7.06	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
Mid-Day pH (7) check			7.00	6.96	<del>6.96</del>	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	within range
pH (10)	14320102 08/21	5.72	10.00	10.21	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
Mid-Day pH (10) check			10.00	9.93	<del>9.93</del>	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	within range
ORP (mV)	1460167 08/21	5.76	228	227.6	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	94.49	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	1.03	0.07	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1.00	0.14	1.32	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10.00	11.74	10.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

**EQUIPMENT CALIBRATION LOG**

Field Technician: VASHISH TANKOR

Date: 3-9-2021

Time (start): 0740

Time (finish): 0756

SmartTroll SN: 728 563

Turbidity Meter Type: LaMotte 2020we

SN: 710-0711

Weather Conditions: SUNNY, 36°F

Facility and Unit: Plant Hammond AP-1/2

Project No.: GW6581

**Calibration log**

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20010025	14.40	4490	4328	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	08/21		4.00	4.03	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (4) check	''	23.14	4.00	4.04	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	19340057 8/21	13.72	7.00	7.04	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (7) check	''	22.63	7.00	7.03	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	19320102 8/21	13.20	10.00	10.14	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (10) check	''	21.37	10.00	9.90	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	19460167 8/21	12.72	228	246.3	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	93.90	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	-0.02	0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1.00	1.33	1.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10.00	10.35	10.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	



EQUIPMENT CALIBRATION LOG

Field Technician: Chad Russo

Date: 3/10/2021

Time (start): 1215

Time (finish): 1240

SmartTroll SN: 728550

Turbidity Meter Type: LaMotte 2020we

SN: 6411-1416

Weather Conditions: 70°F Sunny

Facility and Unit: Plant Hammond AP-1/2

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20010025 8/2021	19.77	4490	4449.5	4490	+/- 5 %	<input checked="" type="checkbox"/> Yes No	
pH (4)			4.00	3.9	4	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
Mid-Day pH (4) check	20010025 8/2021	21.23	4.00	4.02	4.02	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
pH (7)	19340057 8/2021	19.11	7.00	6.92	7	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
Mid-Day pH (7) check	19346057 8/2021	22.04	7.00	7.05	7.05	+/- 0.1 SU	<input checked="" type="checkbox"/> No	
pH (10)	19320102 8/2021	18.50	10.00	9.98	10	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
Mid-Day pH (10) check	19326102 8/2021	21.87	10.00	10.01	10.01	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
ORP (mV)	19460167 8/2021	18.15	228	221.3	228	+/- 20mV	<input checked="" type="checkbox"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	96.47	100	+/- 6 % saturation	<input checked="" type="checkbox"/> No	
Turbidity 0 NTU			0	6.39	0.39	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	
Turbidity 1 NTU			1.00	0.52	0.52	+/- 0.5 NTU	<input checked="" type="checkbox"/> No	
Turbidity 10 NTU			10.00	9.94	9.94	+/- 0.5 NTU	<input checked="" type="checkbox"/> No	

**EQUIPMENT CALIBRATION LOG**

Field Technician: Thomas Kessler

Date: 3/10/12

Time (start): 1130

Time (finish): 1220

smarTroll SN: 728566

Turbidity Meter Type: LaMotte 2020we

SN: 12289-2617

Weather Conditions: Sunny ☀

Facility and Unit: Plant Hammond AP-1/2

Project No.: GW6581

**Calibration log**

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20010028	15.96	4490	4368.3	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	0821		4.00	4.08	4.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (4) check			4.00			+/- 0.1 SU	Yes <input type="radio"/> No	
pH (7)	14340637	15.43	7.00	7.04	<del>7.00</del>	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (7) check	821		7.00				+/- 0.1 SU	Yes <input type="radio"/> No
pH (10)	143 2902	14.89	10.00	9.99	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (10) check	0821		10.00				+/- 0.1 SU	Yes <input type="radio"/> No
ORP (mV)	144160167	14.39	228	214	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)	0821		100	101.73	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	1.07	0.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1.00	1.03	1.03	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10.00	8.23	10.03	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

**EQUIPMENT CALIBRATION LOG**

Field Technician: YASHISH TANKOOR

Date: 3-10-2021

Time (start): 11 20

Time (finish): 11 30

SmartTroll SN: 728 563

Turbidity Meter Type: LaMotte 2020we

SN: 710-0711

Weather Conditions: SUNNY, 55°F

Facility and Unit: Plant Hammond AP-1/2

Project No.: GW6581

**Calibration log**

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20010025	18.38	4490	4665	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	08/21		4.00	3.96	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
<del>Mid-Day pH (4) check</del>	<del>  </del>		<del>4.00</del>		<del>4.00</del>	<del>+/- 0.1 SU</del>	<del><input checked="" type="radio"/> Yes <input type="radio"/> No</del>	
pH (7)	19340057 8/21	19.08	7.00	6.99	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
<del>e-Mid-Day pH (7) check</del>	<del>  </del>		<del>7.00</del>		<del>7.00</del>	<del>+/- 0.1 SU</del>	<del><input checked="" type="radio"/> Yes <input type="radio"/> No</del>	
pH (10)	19320102 8/21	18.96	10.00	10.05	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
<del>Mid-Day pH (10) check</del>	<del>  </del>		<del>10.00</del>		<del>10.00</del>	<del>+/- 0.1 SU</del>	<del><input checked="" type="radio"/> Yes <input type="radio"/> No</del>	
ORP (mV)	19460167 8/21	19.08	228	234.6	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	105.21	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	-0.06	0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1.00	0.92	1.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10.00	10.40	1.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: A. Ramsey

Date: 8/19/2021

Time (start): 1220

Time (finish): 1256

smarTroll SN: 728623

Turbidity Meter Type: LaMotte 2020we

SN: 1859-0412

Weather Conditions: Sunny 191°F

Facility and Unit: Plant Hammond

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20440203 02/2022	25	4490	4315.9	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)			4.00	4.14	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
Mid-Day pH (4) check		27.62°F	4.00			+/- 0.1 SU	Yes No	
pH (7)	21080188 06/2022	27.62	7.00	7.13	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
Mid-Day pH (7) check				7.00			+/- 0.1 SU	Yes No
pH (10)	21080189 06/2022	27.53	10.00	10.85	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
Mid-Day pH (10) check				10.00			+/- 0.1 SU	Yes No
ORP (mV)	19460167 02/2022	29.83	228	213.4	228.0	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	101.92	100.00	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	0.94	0.12	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1.00	1.42	0.97	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10.00	7.11	10.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Thomas Kessler Date: 8/9/21 Time (start): 1210 Time (finish): 1300  
 SmartTroll SN: 728634 Turbidity Meter Type: LaMotte 2020we SN: 5573-155  
 Weather Conditions: 80° Sunny Facility and Unit: Plant Hammond AP-1/2 Project No: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	<del>2044020</del> 20210120	26.69	4490	45253	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	02/22		4.00	4.17	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (4) check			4.00			+/- 0.1 SU	<input type="radio"/> Yes <input type="radio"/> No	
pH (7)	<del>2105018</del> 20210512	27.88	7.00	7.04	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (7) check			7.00			+/- 0.1 SU	<input type="radio"/> Yes <input type="radio"/> No	
pH (10)	<del>2105018</del> 20210512	27.07	10.00	10.02	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (10) check			10.00			+/- 0.1 SU	<input type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	<del>14760167</del> 02/2022	28.93	228	218.2	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	101.5	100%	+/- 6 % saturation	<input type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0.25	0.22	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1.00	1.59	0.67	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10.00	6.71	10.06	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: A. Ramsey Date: 8/10/21 Time (start): 0714 Time (finish): 0728  
 smarTroll SN: 728623 Turbidity Meter Type: LaMotte 2020we SN: 1859-0412  
 Weather Conditions: Sunny, 91°F Facility and Unit: Plant Hammond Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	2044023 2/22	24.95	4490	4601.8	4490.0	+/- 5 %	Yes No	
pH (4)			4.00	4.18	4.00	+/- 0.1 SU	Yes No	
Mid-Day pH (4) check	" "	34.05	4.00	4.03	-	+/- 0.1 SU	Yes No	
pH (7)	21080158 6/22	25.97	7.00	7.18	7.00	+/- 0.1 SU	Yes No	
Mid-Day pH (7) check	" "	32.86	7.00	6.97	-	+/- 0.1 SU	Yes No	
pH (10)	21080189 6/22	26.11	10.00	10.41	10.00	+/- 0.1 SU	Yes No	
Mid-Day pH (10) check	" "	32.86	10.00	9.95	-	+/- 0.1 SU	Yes No	
ORP (mV)	19460161 2/22	25.83	228	231.5	228.0	+/- 20mV	Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	96.59	100.0	+/- 6 % saturation	Yes No	
Turbidity 0 NTU			0	0.72	0.00	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU			1.00	1.58	1.00	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU			10.00	7.49	10.00	+/- 0.5 NTU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: C. CAIN

Date: 8/10/21

Time (start): 0710

Time (finish): 0736

smarTroll SN: 728541

Turbidity Meter Type: LaMotte 2020we

SN: 2953

Weather Conditions: Sunny 70°F

Facility and Unit: Plant Hammond

Project No.: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)		25.0	4490	4478	4490	+/- 5 %	<input checked="" type="checkbox"/> No	
pH (4)			4.00	4.05	4.0	+/- 0.1 SU	<input checked="" type="checkbox"/> No	
Mid-Day pH (4) check		24.47	4.00	7.10 <sup>20</sup> 4.04	7.0 <sup>20</sup> 4.0	+/- 0.1 SU	<input checked="" type="checkbox"/> No	
pH (7)		24.47	7.00	7.10	7.0	+/- 0.1 SU	<input checked="" type="checkbox"/> No	
Mid-Day pH (7) check			7.00	7.04	7.0	+/- 0.1 SU	Yes No	
pH (10)		24.51	10.00	10.06	10.0	+/- 0.1 SU	<input checked="" type="checkbox"/> No	
Mid-Day pH (10) check			10.00	9.97	10.0	+/- 0.1 SU	Yes No	
ORP (mV)		24.24	228	225.4	228	+/- 20mV	<input checked="" type="checkbox"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	102.38	100	+/- 6% saturation	<input checked="" type="checkbox"/> No	
Turbidity 0 NTU			0	0.02	0.02	+/- 0.5 NTU	<input checked="" type="checkbox"/> No	
Turbidity 1 NTU			1.00	0.75	0.95	+/- 0.5 NTU	<input checked="" type="checkbox"/> No	
Turbidity 10 NTU			10.00	11.78	10.0	+/- 0.5 NTU	<input checked="" type="checkbox"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Thomas Kessler Date: 8/10/21 Time (start) 0702 Time (finish) 0732 S  
 smarTroll SN: 728634 Turbidity Meter Type: LaMotte 2020we SN: S 573-1518  
 Weather Conditions: Sunny 75° Facility and Unit: Plant Hammond AP-1/2 Project No: GW6581

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20411027	24.09	4490	4520.8	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	02/27		4.00	4.13	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (4) check	" "		4.00	4.09	<del>                    </del>	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	21080188 06/22	24.40	7.00	7.07	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (7) check			7.00	6.94	<del>                    </del>	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	21080189 06/22	24.71	10.00	16.03	16.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (10) check			10.00	9.94	<del>                    </del>	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	19460167 02/22	24.68	228	229.0	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	95.07	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0.68	0.01	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1.00	1.00	1.00	+/- 0.5 NTU	<input type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10.00	10.50	9.98	+/- 0.5 NTU	<input type="radio"/> Yes <input type="radio"/> No	



EQUIPMENT CALIBRATION LOG

Field Technician: Thomas Kessler

Date: 9/28/21

Time (start): 0735

Time (finish): 0800

SmartTroll SN: 728638

Turbidity Meter Type: LaMotte 2020we

SN: 1729-5011

Weather Conditions: Sunny, 60°

Facility and Unit: Plant Hammond AP-1/2

Project No.: GW6581

Calibration log

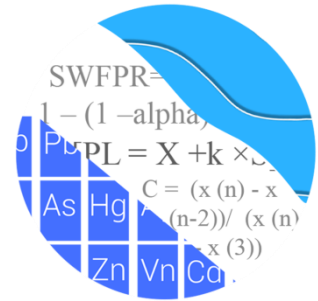
	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	21070193	18.39	4490	41522.8	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	68/22		4.00	4.00	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (4) check			4.00	3.09	—	+/- 0.1 SU	Yes <input type="radio"/> No	
pH (7)	21010066	18.87	7.00	7.03	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (7) check	22180		7.00	7.00	—	+/- 0.1 SU	Yes <input type="radio"/> No	
pH (10)	21050189	18.90	10.00	10.09	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Mid-Day pH (10) check	08/22		10.00	10.02	—	+/- 0.1 SU	Yes <input type="radio"/> No	
ORP (mV)	21040141	18.90	228	231.8	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)	08/22		100	89.88	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0.09	0.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1.00	0.89	1.00	+/- 0.5 NTU	Yes <input type="radio"/> No	
Turbidity 10 NTU			10.00	9.11	10.00	+/- 0.5 NTU	Yes <input type="radio"/> No	

# APPENDIX C

## Statistical Analysis Reports

# March 2021 Semiannual Event

## GROUNDWATER STATS CONSULTING



August 24, 2021

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

Re: Plant Hammond's Huffaker Road Landfill  
Statistical Analysis – March 2021

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the March 2021 Semi-Annual Groundwater Detection Monitoring Statistical summary of the groundwater data analysis for Georgia Power Company's Plant Hammond's Huffaker Road Landfill. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began for the Georgia EPD parameters in 2007 and for the CCR program in 2016. At least 8 background samples have been collected at each of the groundwater monitoring wells. Semi-annual sampling for select constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations; and all available data are screened in this report.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient:** GWA-1, GWA-11, GWA-2, GWA-3, and GWA-4
- **Downgradient:** GWC-10, GWC-18, GWC-19, GWC-20, GWC-21, GWC-22, GWC-23, GWC-5, GWC-6, GWC-7, GWC-8, and GWC-9

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance. The analysis was reviewed by Kristina Rayner, Groundwater Statistician and Founder of Groundwater Stats Consulting.

The following constituents were evaluated:

- **Appendix III** – boron, calcium, chloride, fluoride, pH, sulfate, and TDS
- **Georgia EPD** – antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, thallium, vanadium and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% non-detects follows this letter.

A substitution of the most recent reporting limit is used for non-detect data. Reporting limits often decrease over time due to improved laboratory practices, which sometimes results in more conservative statistical limits compared to the previous statistical analysis. Such changes in reporting limits have occurred for beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, and zinc, and prediction limits for those constituents have decreased over time at some of the wells. Also, the most recent reporting limit is substituted on a well-by-well basis for computing prediction limits. Therefore, individual wells can have different substitutions for a given parameter depending on what the laboratory has reported for each well.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided in the previous background update to demonstrate that the

selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. During the initial background screening of the Appendix III parameters, the 1-of-2 resample plan did not provide sufficient power; therefore, a 1-of-3 resample plan was initially recommended due to the limited background sample sizes in each of the wells at that time.

During the March 2020 background update for the Appendix III parameters, however, the background sample sizes increased in each of the wells, and power curves were provided to show that the 1-of-2 resample plan provides sufficient power to meet the EPA recommendation mentioned above. Power curves were based on the following:

**Georgia EPD Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (all Georgia EPD parameters)
- # Constituents: 15
- # Downgradient wells: 12

**CCR Appendix III Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (all Appendix III parameters)
- # Constituents: 7
- # Downgradient wells: 12

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality. After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).

- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

### Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

## **Georgia EPD Background Screening Summary – Conducted in August 2019**

### Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers for all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.



Using the Tukey box plot method, several outliers were identified. When the most recent values were identified as outliers, values were not flagged in the database (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits for many constituents, when the non-detects were replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) required flagging as outliers because they were much higher than current reporting limits.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported non-detects. In some cases, values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. These values are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged values in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data. A summary of all flagged values is included in Figure C.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations, and earlier data will be deselected as necessary. Several

statistically significant decreasing trends were noted, as well as a few statistically significant increasing trends for barium. The magnitudes of most of these trends were low relative to the average concentrations and, therefore, required no adjustments to the record.

However, background adjustments were made for barium in wells GWA-2, GWC-19, GWC-22, GWC-6, GWC-7, and GWC-9; and cobalt, nickel, and zinc in well GWC-7. Earlier data for each of these well/constituent pairs were deselected to reduce variation and utilize samples that were more representative of current groundwater concentrations. For those cases with increasing trends in barium, the assumption is that the increase is a result of natural variation and not the result of the facility. Under that assumption, the more recent data would represent unimpacted conditions. Thorough evaluation of that assumption requires a separate geochemical investigation that is beyond the scope of services provided by Groundwater Stats Consulting. However, increasing barium concentrations were noted in both upgradient and downgradient wells, suggesting that the groundwater quality is changing due to natural spatial variation. The trends for cobalt, nickel and zinc are decreasing, and the more recent data result in more conservative prediction limits. Complete trend analysis results were presented with the August 2019 screening report. A date range summary table is provided with this report to show the adjusted date ranges used in construction of the statistical limits.

#### Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified statistically significant variation among upgradient well data for: arsenic, barium, cobalt, and nickel. The ANOVA did not identify variation for antimony, beryllium, cadmium, chromium, copper, lead, selenium, and zinc. The ANOVA could not test the following constituents because the data had no variation among the upgradient wells: silver, thallium, and vanadium.

Where significant spatial variation is not identified, this suggests that interwell analysis would be the most appropriate statistical method for these constituents. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level detections, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs. Intrawell methods are generally based on an assumption of no existing impacts of the facility in background data. While the assumption is supported by pre-waste data, thorough evaluation of that assumption requires a separate geochemical investigation, especially for the cases of increasing trends in concentration following waste placement. That study is beyond the scope of services provided by Groundwater Stats Consulting.

### **Appendix III Background Update Summary – Conducted in March 2020**

Prior to updating background data, Tukey's outlier test and visual screening were used to evaluate Appendix III data from both upgradient and downgradient wells through November 2019. Tukey's test noted potential outliers in downgradient wells for all parameters, but not all of these values were flagged as some appeared to be representative of natural variation. Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. A summary of flagged outliers follows this letter (Figure C).

For constituents requiring intrawell prediction limits (all constituents in this instance), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through March 2017 to the new compliance samples at each well through November 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Statistically significant differences were found between the two groups for the following well/constituent pairs: boron in downgradient wells GWC-19 and GWC-7; chloride in downgradient well GWC-8; pH in downgradient wells GWC-20 and GWC-22; sulfate in downgradient well GWC-20; and TDS in downgradient wells GWC-6 and GWC-8.

Although not statistically significant at the 99% confidence level, the increase in median concentrations between background and compliance data for boron at GWC-8 was significant at the 98% confidence level. This case is discussed below.

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In

studies in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians. In this analysis, all but one of the cases with statistically significant Mann-Whitney results were updated. The individual cases are discussed below.

Boron in wells GWC-19 and GWC-7 trended over time toward more stable concentrations at slightly lower levels. Boron at GWC-8 had higher values recently, but the higher concentrations were similar to those in upgradient wells. The measured pH in downgradient wells GWC-20 and GWC-22 stabilized at slightly lower levels, closer to a neutral pH of 7.

Chloride in GWC-8 and TDS in both GWC-6 and GWC-8 showed moderate increases in median concentrations due to a short-term spike with the most recent concentrations similar to those in one or more background wells. The only case that was not updated at the time of the update was sulfate at well GWC-20, which has a marked and steadily increasing trend that was not present in the upgradient wells. However, it was later determined through an alternate source demonstration that this trend is either short-term or not the result of the facility, and this record was appropriately updated. Since the update, the upward trend in sulfate has continued and will continue to be evaluated. Concentrations remain below those in upgradient wells. A list of well/constituent pairs that use a truncated portion of their record also follows this report in the date range table mentioned above.

### **Evaluation of Georgia EPD Constituents – March 2021**

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data for each well through December 2018, except for the cases mentioned above and listed in the Date Range Table. The March 2021 compliance data were compared to these intrawell background limits. No statistical analyses were included for well/constituent pairs with 100% non-detects.

A summary of the Georgia EPD intrawell prediction limits follows this report (Figure D). Exceedances were noted for the following downgradient well/constituent pairs:

- Barium: GWC-8 and GWC-23

The reported measurements for barium of 0.14 mg/L in well GWC-8 and 0.085 mg/L in well GWC-23 exceeded their intrawell prediction limits of 0.1227 mg/L and 0.08464 mg/L, respectively. While the Sanitas software identified a statistical exceedance for barium in downgradient well GWC-23, it is due to a rounding of significant figures with a reported March 2021 measurement of 0.085 mg/L when compared to its prediction limit of 0.08464 mg/L. An interwell prediction limit was then constructed for barium using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedances (Figure E). The reported measurements of barium in these wells were within the interwell prediction limit of 0.21 mg/L. Therefore, no statistically significant increase is identified, and no further action is necessary.

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are included in the trend analyses to identify whether increasing or decreasing patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site. While no trend was identified for barium in downgradient well GWC-8, an increasing trend was noted for barium in downgradient well GWC-23. Both increasing and decreasing trends were noted for barium in upgradient wells which suggest natural variability is present in groundwater quality unrelated to practices at the site. A summary of the trend test results follows this letter (Figure F). Statistically significant trends were noted for the following well/constituent pairs:

Increasing trends:

- Barium: GWA-2 (upgradient) and GWC-23

Decreasing trends:

- Barium: GWA-3 (upgradient) and GWA-4 (upgradient)

## Evaluation of CCR Appendix III Parameters – March 2021

For all Appendix III parameters, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through November 2019. The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. A summary of the Appendix III prediction limits follows this report (Figure G). Exceedances were noted for the following downgradient well/constituent pairs:

- Calcium: GWC-20 and GWC-23
- Sulfate: GWC-20

When interwell prediction limits were constructed for the apparent intrawell prediction limit exceedances in downgradient wells, no exceedances were noted. Therefore, the initial statistical exceedances are considered false positive results and no further action is required. Data that exceeded intrawell background limits are further evaluated using trend tests as discussed below.

Data from downgradient well/constituent pairs found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test using a 99% confidence level, along with upgradient wells for the same constituents. A summary of the trend test results follows this letter (Figure I). Statistically significant increasing trends were identified for the following well/constituent pairs:

- Calcium: GWC-20
- Sulfate: GWC-20

When similar patterns or concentrations occur both upgradient and downgradient of the facility for a given constituent, it suggests the changes in groundwater quality are naturally occurring and are unrelated to practices at the site. Although both calcium and sulfate concentrations at downgradient well GWC-20 are higher than those reported at upgradient well GWA-1, they remain lower than reported concentrations in upgradient wells GWA-3 and GWA-4.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Hammond's Huffaker Road Landfill. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins  
Project Manager



Kristina L. Rayner  
Groundwater Statistician

# 100% Non-Detects: Appendix I

Analysis Run 4/1/2021 1:17 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Antimony (mg/L)

GWC-20, GWC-21, GWC-22, GWC-23

Arsenic (mg/L)

GWA-1, GWA-2, GWC-10, GWC-19, GWC-20, GWC-22, GWC-6

Beryllium (mg/L)

GWA-1, GWA-11, GWA-2, GWA-4, GWC-10, GWC-18, GWC-20, GWC-21, GWC-22, GWC-23, GWC-5, GWC-6, GWC-8, GWC-9

Cadmium (mg/L)

GWA-1, GWA-11, GWA-2, GWA-3, GWC-19, GWC-22, GWC-6

Cobalt (mg/L)

GWC-18, GWC-19, GWC-20, GWC-22

Copper (mg/L)

GWA-1

Lead (mg/L)

GWA-1, GWA-2, GWA-4, GWC-9

Selenium (mg/L)

GWA-1, GWA-11, GWA-2, GWA-3, GWC-18, GWC-19, GWC-20, GWC-23, GWC-5, GWC-6, GWC-7, GWC-8

Silver (mg/L)

GWA-1, GWA-11, GWA-2, GWA-3, GWA-4, GWC-10, GWC-18, GWC-19, GWC-20, GWC-22, GWC-23, GWC-5, GWC-6, GWC-7, GWC-8, GWC-9

Thallium (mg/L)

GWA-1, GWA-11, GWA-2, GWA-3, GWA-4, GWC-10, GWC-18, GWC-19, GWC-20, GWC-21, GWC-22, GWC-23, GWC-5, GWC-6, GWC-8, GWC-9

Vanadium (mg/L)

GWA-1, GWA-11, GWA-2, GWA-3, GWA-4, GWC-10, GWC-18, GWC-19, GWC-20, GWC-22, GWC-6, GWC-8



# Date Ranges

Date: 4/5/2021 10:34 AM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Barium (mg/L)

- GWA-2 background:4/13/2010-10/4/2018
- GWC-19 background:4/13/2010-10/4/2018
- GWC-22 background:4/13/2010-10/4/2018
- GWC-6 background:3/23/2016-10/4/2018
- GWC-7 background:4/3/2012-10/4/2018
- GWC-9 background:10/4/2011-10/5/2018

Cobalt (mg/L)

- GWC-7 background:3/12/2013-10/4/2018

Nickel (mg/L)

- GWC-7 background:3/12/2013-10/4/2018

Zinc (mg/L)

- GWC-7 background:3/12/2013-10/4/2018

# State Intrawell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 1:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-23	0.08464	n/a	3/9/2021	0.085	Yes	32	0.06272	0.009212	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-8	0.1227	n/a	3/9/2021	0.14	Yes	31	0.316	0.01439	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2

# State Intrawell Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 4/1/2021, 1:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.003	n/a	3/8/2021	0.003ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-11	0.003	n/a	3/8/2021	0.0005J	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-2	0.003	n/a	3/9/2021	0.003ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-3	0.003	n/a	3/8/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4	0.003	n/a	3/8/2021	0.0016J	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10	0.003	n/a	3/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	3/9/2021	0.003ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-19	0.003	n/a	3/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-5	0.003	n/a	3/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.003	n/a	3/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-7	0.003	n/a	3/9/2021	0.003ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8	0.003	n/a	3/9/2021	0.003ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	3/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-11	0.005	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3	0.005	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4	0.0065	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21	0.005	n/a	3/9/2021	0.005ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7	0.0088	n/a	3/9/2021	0.0052	No	30	n/a	n/a	46.67	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-8	0.005	n/a	3/9/2021	0.0018J	No	31	n/a	n/a	87.1	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.05021	n/a	3/8/2021	0.035	No	32	0.03919	0.00463	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-11	0.04217	n/a	3/8/2021	0.031	No	32	-3.4	0.09826	0	None	ln(x)	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.1987	n/a	3/9/2021	0.17	No	23	0.1657	0.01314	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-3	0.2268	n/a	3/8/2021	0.12	No	32	0.1719	0.02304	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-4	0.14	n/a	3/8/2021	0.052	No	32	n/a	n/a	0	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-10	0.1952	n/a	3/9/2021	0.15	No	34	0.1271	0.02885	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.08974	n/a	3/9/2021	0.077	No	32	0.07311	0.006987	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-19	0.1697	n/a	3/10/2021	0.15	No	23	0.0003879	0.000176	0	None	x^4	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-20	0.1358	n/a	3/10/2021	0.13	No	31	0.001502	0.0004195	0	None	x^3	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-21	0.2404	n/a	3/9/2021	0.12	No	30	-2.722	0.5402	0	None	ln(x)	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-22	0.121	n/a	3/9/2021	0.089	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-23</b>	<b>0.08464</b>	<b>n/a</b>	<b>3/9/2021</b>	<b>0.085</b>	<b>Yes</b>	<b>32</b>	<b>0.06272</b>	<b>0.009212</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-5	0.1274	n/a	3/9/2021	0.063	No	32	0.1019	0.01074	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.1978	n/a	3/9/2021	0.17	No	11	0.1654	0.01034	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-7	0.4063	n/a	3/9/2021	0.31	No	19	0.3226	0.1206	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-8</b>	<b>0.1227</b>	<b>n/a</b>	<b>3/9/2021</b>	<b>0.14</b>	<b>Yes</b>	<b>31</b>	<b>0.316</b>	<b>0.01439</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-9	0.07338	n/a	3/9/2021	0.059	No	20	0.06193	0.00445	0	None	No	0.0002926	Param Intra 1 of 2
Beryllium (mg/L)	GWA-3	0.0005	n/a	3/8/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19	0.0005	n/a	3/10/2021	0.0005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-7	0.093	n/a	3/9/2021	0.0005ND	No	30	n/a	n/a	23.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Cadmium (mg/L)	GWA-4	0.0005	n/a	3/8/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10	0.0005	n/a	3/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0005	n/a	3/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-20	0.0005	n/a	3/10/2021	0.0005ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21	0.0005	n/a	3/9/2021	0.0005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-23	0.0005	n/a	3/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-5	0.0015	n/a	3/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-7	0.0035	n/a	3/9/2021	0.0005ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8	0.0005	n/a	3/9/2021	0.0005ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-9	0.0005	n/a	3/9/2021	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.016	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-11	0.005	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2

# State Intrawell Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 4/1/2021, 1:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWA-3	0.005	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-4	0.005	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19	0.005	n/a	3/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20	0.0064	n/a	3/10/2021	0.005ND	No	31	n/a	n/a	90.32	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21	0.005	n/a	3/9/2021	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-5	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-7	0.005	n/a	3/9/2021	0.005ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-8	0.005	n/a	3/9/2021	0.005ND	No	31	n/a	n/a	90.32	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.01	n/a	3/8/2021	0.0005J	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-11	0.01	n/a	3/8/2021	0.00049J	No	32	n/a	n/a	62.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-3	0.005	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4	0.005	n/a	3/8/2021	0.00061J	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-10	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21	0.01	n/a	3/9/2021	0.00049J	No	30	n/a	n/a	63.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-23	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-5	0.005	n/a	3/9/2021	0.00043J	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-6	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-7	0.08032	n/a	3/9/2021	0.0093	No	17	0.03376	0.01735	0	None	No	0.0002926	Param Intra 1 of 2
Cobalt (mg/L)	GWC-8	0.01	n/a	3/9/2021	0.0013J	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-9	0.005	n/a	3/9/2021	0.00042J	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-11	0.005	n/a	3/8/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-3	0.005	n/a	3/8/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-4	0.0066	n/a	3/8/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-10	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19	0.005	n/a	3/10/2021	0.005ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.005	n/a	3/10/2021	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21	0.005	n/a	3/9/2021	0.005ND	No	25	n/a	n/a	76	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23	0.0084	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-5	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.016	n/a	3/9/2021	0.005ND	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8	0.005	n/a	3/9/2021	0.005ND	No	26	n/a	n/a	100	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-11	0.001	n/a	3/8/2021	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-3	0.005	n/a	3/8/2021	0.00004J	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.001	n/a	3/9/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	3/9/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19	0.001	n/a	3/10/2021	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-20	0.001	n/a	3/10/2021	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21	0.005	n/a	3/9/2021	0.00013J	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22	0.005	n/a	3/9/2021	0.000038J	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23	0.005	n/a	3/9/2021	0.00011J	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-5	0.001	n/a	3/9/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6	0.001	n/a	3/9/2021	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-7	0.005	n/a	3/9/2021	0.000085J	No	31	n/a	n/a	83.87	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8	0.001	n/a	3/9/2021	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2

# State Intrawell Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 4/1/2021, 1:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-1	0.005	n/a	3/8/2021	0.005ND	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-11	0.01	n/a	3/8/2021	0.001J	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-3	0.005	n/a	3/8/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4	0.0055	n/a	3/8/2021	0.005ND	No	27	n/a	n/a	59.26	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0062	n/a	3/10/2021	0.005ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.005	n/a	3/10/2021	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21	0.01035	n/a	3/9/2021	0.0013J	No	26	0.1566	0.02496	23.08	Kaplan-Meier	x^(1/3)	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-22	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.3321	n/a	3/9/2021	0.035	No	12	0.133	0.06625	0	None	No	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.005	n/a	3/9/2021	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.01	n/a	3/9/2021	0.0014J	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-4	0.005	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-10	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.005	n/a	3/9/2021	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-22	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-21	0.005	n/a	3/9/2021	0.005ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-7	0.001	n/a	3/9/2021	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21	0.01	n/a	3/9/2021	0.01ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-7	0.01	n/a	3/9/2021	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.01	n/a	3/8/2021	0.01ND	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-11	0.01	n/a	3/8/2021	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-2	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-3	0.01	n/a	3/8/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-4	0.02	n/a	3/8/2021	0.0034J	No	27	n/a	n/a	33.33	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-10	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.013	n/a	3/10/2021	0.01ND	No	27	n/a	n/a	59.26	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.01	n/a	3/10/2021	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-21	0.02	n/a	3/9/2021	0.0033J	No	25	n/a	n/a	12	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-22	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-23	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.6123	n/a	3/9/2021	0.057	No	12	0.2426	0.123	0	None	No	0.0002926	Param Intra 1 of 2
Zinc (mg/L)	GWC-8	0.01	n/a	3/9/2021	0.01ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-9	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2

# State Interwell Prediction Limits - All Results (No Significant)

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 1:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-23	0.21	n/a	3/9/2021	0.085	No	185	n/a	n/a	0	n/a	n/a	0.00005765NP	Inter (normality) 1 of 2
Barium (mg/L)	GWC-8	0.21	n/a	3/9/2021	0.14	No	185	n/a	n/a	0	n/a	n/a	0.00005765NP	Inter (normality) 1 of 2

# State Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 1:32 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWA-2 (bg)	0.003826	359	199	Yes	37	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	-0.004861	-394	-199	Yes	37	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	-0.002733	-224	-199	Yes	37	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-23	0.001249	222	199	Yes	37	0	n/a	n/a	0.01	NP

# State Trend Tests - Prediction Limit Exceedances - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 1:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.00007595	-37	-199	No	37	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-11 (bg)	-0.00016	-135	-199	No	37	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>0.003826</b>	<b>359</b>	<b>199</b>	<b>Yes</b>	<b>37</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWA-3 (bg)</b>	<b>-0.004861</b>	<b>-394</b>	<b>-199</b>	<b>Yes</b>	<b>37</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWA-4 (bg)</b>	<b>-0.002733</b>	<b>-224</b>	<b>-199</b>	<b>Yes</b>	<b>37</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWC-23</b>	<b>0.001249</b>	<b>222</b>	<b>199</b>	<b>Yes</b>	<b>37</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWC-8	0.0007645	111	199	No	37	0	n/a	n/a	0.01	NP



# Federal Intrawell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 2:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWA-11	0.04165	n/a	3/8/2021	0.042	Yes	13	0.0356	0.002301	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-20	63.52	n/a	3/10/2021	64.9	Yes	13	52.64	4.139	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-23	45.95	n/a	3/9/2021	54.3	Yes	13	36.75	3.5	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	58.56	n/a	3/10/2021	64.7	Yes	18	35.78	9.504	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 4/1/2021, 2:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWA-1	0.05	n/a	3/8/2021	0.021J	No	13	n/a	n/a	15.38	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
<b>Boron (mg/L)</b>	<b>GWA-11</b>	<b>0.04165</b>	<b>n/a</b>	<b>3/8/2021</b>	<b>0.042</b>	<b>Yes</b>	<b>13</b>	<b>0.0356</b>	<b>0.002301</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Boron (mg/L)	GWA-2	0.1059	n/a	3/9/2021	0.081	No	13	0.08618	0.007513	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWA-3	0.195	n/a	3/8/2021	0.13	No	13	0.1502	0.01706	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWA-4	0.1507	n/a	3/8/2021	0.089	No	13	0.09276	0.02204	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-10	0.04348	n/a	3/9/2021	0.037J	No	13	0.03321	0.003909	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-18	0.1547	n/a	3/9/2021	0.13	No	13	0.1292	0.009697	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-19	0.2048	n/a	3/10/2021	0.16	No	13	0.1773	0.01047	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-20	0.05	n/a	3/10/2021	0.018J	No	13	n/a	n/a	7.692	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Boron (mg/L)	GWC-21	0.1406	n/a	3/9/2021	0.03J	No	13	0.199	0.06698	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-22	0.08272	n/a	3/9/2021	0.065	No	13	0.06841	0.005445	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-23	0.1347	n/a	3/9/2021	0.044	No	13	0.191	0.067	7.692	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-5	0.08013	n/a	3/9/2021	0.046	No	13	0.05944	0.007872	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-6	0.04531	n/a	3/9/2021	0.038J	No	14	0.03949	0.002264	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-7	0.07265	n/a	3/9/2021	0.041	No	13	0.05612	0.006289	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-8	0.055	n/a	3/9/2021	0.05	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Boron (mg/L)	GWC-9	0.05	n/a	3/9/2021	0.014J	No	13	n/a	n/a	7.692	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Calcium (mg/L)	GWA-1	20.51	n/a	3/8/2021	16.2	No	13	15.95	1.735	7.692	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-11	27.27	n/a	3/8/2021	22	No	13	19.82	2.834	7.692	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-2	51.4	n/a	3/9/2021	48.7	No	13	41.93	3.601	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-3	94.16	n/a	3/8/2021	73.5	No	13	75.85	6.964	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-4	130.7	n/a	3/8/2021	87.2	No	13	88.18	16.18	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-10	60.36	n/a	3/9/2021	48.7	No	15	41.41	7.541	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-18	46.36	n/a	3/9/2021	44.9	No	14	40.09	2.439	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-19	49.63	n/a	3/10/2021	47.4	No	13	43.91	2.178	0	None	No	0.0006269	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-20</b>	<b>63.52</b>	<b>n/a</b>	<b>3/10/2021</b>	<b>64.9</b>	<b>Yes</b>	<b>13</b>	<b>52.64</b>	<b>4.139</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	GWC-21	95.47	n/a	3/9/2021	67.8	No	15	48.65	18.63	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-22	52.66	n/a	3/9/2021	48.7	No	13	47.68	1.891	0	None	No	0.0006269	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-23</b>	<b>45.95</b>	<b>n/a</b>	<b>3/9/2021</b>	<b>54.3</b>	<b>Yes</b>	<b>13</b>	<b>36.75</b>	<b>3.5</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	GWC-5	90.26	n/a	3/9/2021	85.4	No	13	73.43	6.404	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-6	71.95	n/a	3/9/2021	70.8	No	13	62.28	3.678	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-7	74.21	n/a	3/9/2021	64.3	No	13	36.61	14.31	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-8	90.82	n/a	3/9/2021	83.2	No	15	63.08	11.04	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-9	39.77	n/a	3/9/2021	36.8	No	13	35.16	1.751	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-1	1.55	n/a	3/8/2021	1.1	No	13	1.179	0.1409	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-11	2.158	n/a	3/8/2021	1.3	No	13	1.493	0.253	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-2	3.162	n/a	3/9/2021	2.1	No	13	2.431	0.2783	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-3	4.883	n/a	3/8/2021	2.8	No	13	3.95	0.3552	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-4	11.19	n/a	3/8/2021	5.6	No	13	6.268	1.874	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-10	2.285	n/a	3/9/2021	1.1	No	15	1.609	0.269	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	1.907	n/a	3/9/2021	0.97J	No	13	1.385	0.1987	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-19	2.57	n/a	3/10/2021	1.3	No	13	1.915	0.2492	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-20	2.396	n/a	3/10/2021	1.2	No	14	1.7	0.2708	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-21	3.962	n/a	3/9/2021	1.8	No	14	2.712	0.4862	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-22	2.011	n/a	3/9/2021	1	No	13	1.555	0.1736	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-23	2.104	n/a	3/9/2021	0.85J	No	13	1.552	0.2101	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-5	4.279	n/a	3/9/2021	2	No	13	3.029	0.4757	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-6	2.458	n/a	3/9/2021	1.5	No	13	1.955	0.1913	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-7	2.458	n/a	3/9/2021	1.5	No	13	1.654	0.3056	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-8	3.306	n/a	3/9/2021	2.2	No	15	1.936	0.545	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-9	1.823	n/a	3/9/2021	0.74J	No	13	1.195	0.239	0	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-1	0.2142	n/a	3/8/2021	0.094J	No	13	0.1055	0.04138	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-11	0.1844	n/a	3/8/2021	0.11	No	13	0.07757	0.04064	23.08	Kaplan-Meier	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-2	0.267	n/a	3/9/2021	0.099J	No	13	0.1289	0.05253	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-3	0.5357	n/a	3/8/2021	0.13	No	13	0.2393	0.1127	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-4	0.5087	n/a	3/8/2021	0.1	No	13	0.2241	0.1082	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 4/1/2021, 2:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GWC-10	0.2027	n/a	3/9/2021	0.078J	No	13	0.1064	0.03664	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-18	0.2327	n/a	3/9/2021	0.11	No	13	0.1467	0.03273	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-19	0.2758	n/a	3/10/2021	0.11	No	13	0.1547	0.04606	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-20	0.2054	n/a	3/10/2021	0.068J	No	13	0.09322	0.0427	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-21	0.252	n/a	3/9/2021	0.058J	No	13	0.09554	0.05953	15.38	Kaplan-Meier	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-22	0.1652	n/a	3/9/2021	0.067J	No	13	0.09188	0.0279	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-23	0.1978	n/a	3/9/2021	0.069J	No	13	0.1127	0.03238	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-5	0.4044	n/a	3/9/2021	0.05J	No	13	0.4643	0.1047	15.38	Kaplan-Meier	x^(1/3)	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-6	0.3208	n/a	3/9/2021	0.06J	No	13	0.1139	0.07868	15.38	Kaplan-Meier	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-7	0.548	n/a	3/9/2021	0.17	No	13	0.2598	0.1097	0	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-8	0.4854	n/a	3/9/2021	0.12	No	14	0.4306	0.1035	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-9	0.1929	n/a	3/9/2021	0.08J	No	13	0.09607	0.03684	7.692	None	No	0.0006269	Param Intra 1 of 2
pH (SU)	GWA-1	7.414	6.463	3/8/2021	6.86	No	13	6.938	0.1807	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-11	7.075	6.309	3/8/2021	6.78	No	13	6.692	0.1457	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-2	7.273	6.46	3/9/2021	6.93	No	13	6.867	0.1547	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-3	7.238	6.227	3/8/2021	6.95	No	13	6.732	0.1922	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-4	7.246	6.263	3/8/2021	6.84	No	13	6.755	0.1869	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-10	7.697	6.845	3/9/2021	7.43	No	13	7.271	0.162	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-18	7.781	7.39	3/9/2021	7.66	No	13	7.585	0.07423	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-19	7.732	7.179	3/10/2021	7.49	No	13	7.455	0.1052	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-20	7.588	6.958	3/10/2021	7.41	No	15	7.273	0.1253	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-21	7.759	5.557	3/9/2021	7.04	No	13	6.658	0.4189	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-22	7.968	7.278	3/9/2021	7.52	No	14	7.623	0.1341	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-23	7.564	6.735	3/9/2021	6.81	No	13	7.149	0.1578	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-5	7.288	6.348	3/9/2021	6.93	No	13	6.818	0.1788	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-6	7.369	6.632	3/9/2021	7.09	No	13	7.001	0.1401	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-7	6.623	5.502	3/9/2021	6.59	No	13	6.062	0.2132	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-8	7.808	6.743	3/9/2021	7.06	No	15	7.275	0.2119	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-9	7.362	6.212	3/9/2021	6.92	No	13	6.787	0.2186	0	None	No	0.0003135	Param Intra 1 of 2
Sulfate (mg/L)	GWA-1	5.454	n/a	3/8/2021	4.6	No	13	4.79	0.2524	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWA-11	15.5	n/a	3/8/2021	11.5	No	13	12.58	1.108	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWA-2	20.34	n/a	3/9/2021	16.8	No	13	14.94	2.053	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWA-3	231.1	n/a	3/8/2021	99.5	No	13	131.7	37.85	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWA-4	348.3	n/a	3/8/2021	152	No	13	192.8	59.18	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	46.25	n/a	3/9/2021	14.2	No	14	4.162	1.026	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	14.99	n/a	3/9/2021	7.9	No	13	10.94	1.541	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19	20.78	n/a	3/10/2021	18.7	No	13	16.18	1.748	0	None	No	0.0006269	Param Intra 1 of 2
<b>Sulfate (mg/L)</b>	<b>GWC-20</b>	<b>58.56</b>	<b>n/a</b>	<b>3/10/2021</b>	<b>64.7</b>	<b>Yes</b>	<b>18</b>	<b>35.78</b>	<b>9.504</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Sulfate (mg/L)	GWC-21	57.26	n/a	3/9/2021	41.6	No	13	30.96	10.01	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22	14	n/a	3/9/2021	6.4	No	13	7.792	2.363	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	43	n/a	3/9/2021	10.2	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-5	159.3	n/a	3/9/2021	86.9	No	13	9.222	1.293	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-6	150.6	n/a	3/9/2021	105	No	17	109.2	17.06	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-7	189.7	n/a	3/9/2021	87.4	No	13	114.7	28.53	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-8	62.67	n/a	3/9/2021	33.1	No	13	42.48	7.682	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-9	85.53	n/a	3/9/2021	65.1	No	14	69.87	6.092	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-1	175.9	n/a	3/8/2021	96	No	13	105.2	26.93	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-11	186	n/a	3/8/2021	107	No	13	128.5	21.88	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-2	274.9	n/a	3/9/2021	227	No	13	220.5	20.67	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-3	682.3	n/a	3/8/2021	415	No	13	7.827	0.3714	0	None	x^(1/3)	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-4	772.9	n/a	3/8/2021	460	No	13	531.9	91.69	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	281.6	n/a	3/9/2021	201	No	13	184.1	37.09	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-18	427	n/a	3/9/2021	192	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	393	n/a	3/10/2021	223	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	306.2	n/a	3/10/2021	241	No	13	229.2	29.3	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	417.6	n/a	3/9/2021	243	No	15	203.2	85.29	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 2:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/L)	GWC-22	324	n/a	3/9/2021	178	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	313.1	n/a	3/9/2021	216	No	13	197.3	44.03	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-5	520.9	n/a	3/9/2021	364	No	13	395	47.9	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-6	439.1	n/a	3/9/2021	298	No	15	333.5	42.03	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-7	369	n/a	3/9/2021	299	No	13	271.2	37.22	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-8	428.8	n/a	3/9/2021	308	No	15	269.7	63.28	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	326	n/a	3/9/2021	209	No	13	235.2	34.54	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Interwell Prediction Limits - All Results (No Significant)

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/5/2021, 10:15 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-20	123	n/a	3/10/2021	64.9	No	80	n/a	n/a	2.5	n/a	n/a	0.0002963	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	123	n/a	3/9/2021	54.3	No	80	n/a	n/a	2.5	n/a	n/a	0.0002963	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-20	302.3	n/a	3/10/2021	64.7	No	80	n/a	n/a	0	n/a	n/a	0.0002963	NP Inter (normality) 1 of 2

# Federal Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 4/5/2021, 10:20 AM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Calcium (mg/L)	GWC-20	2.583	66	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-20	7.658	172	87	Yes	21	0	n/a	n/a	0.01	NP

# Federal Trend Tests - Prediction Limit Exceedances - All Results

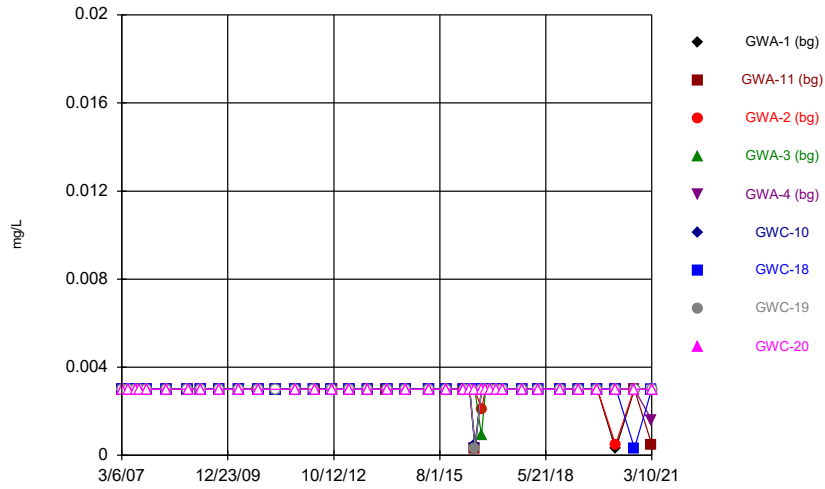
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/5/2021, 10:21 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-1 (bg)	0.02906	6	58	No	16	6.25	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-11 (bg)	-0.04409	-3	-58	No	16	6.25	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-2 (bg)	0.6357	16	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-3 (bg)	-0.09493	-2	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-4 (bg)	-3.43	-36	-58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>GWC-20</b>	<b>2.583</b>	<b>66</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	GWC-23	1.954	37	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-1 (bg)	0.1633	48	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-11 (bg)	-0.01836	-10	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-2 (bg)	0.6594	39	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-3 (bg)	-2.39	-13	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-4 (bg)	-18.44	-47	-58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWC-20</b>	<b>7.658</b>	<b>172</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

FIGURE A.

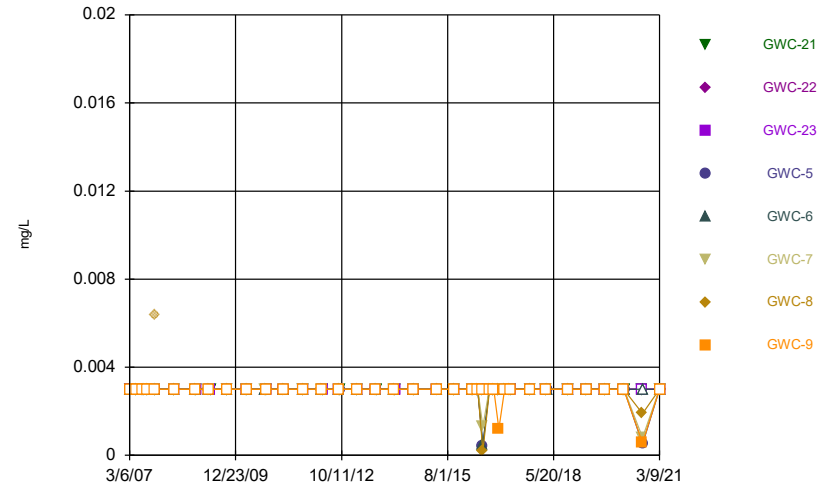


### Time Series



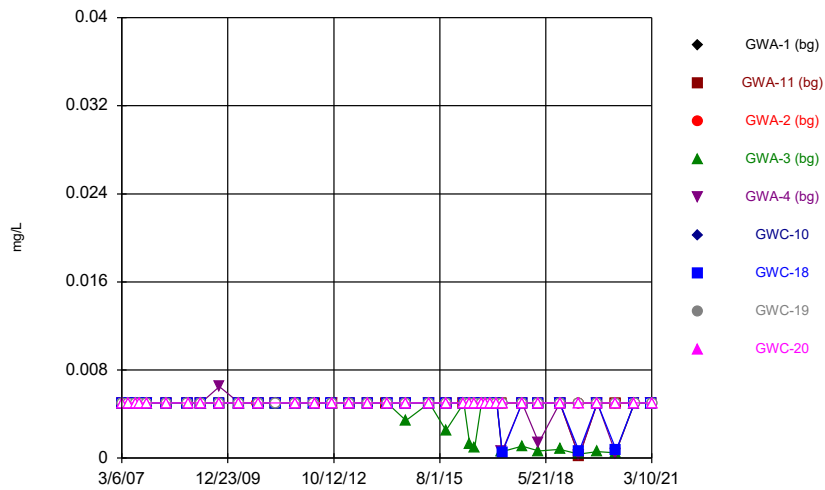
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



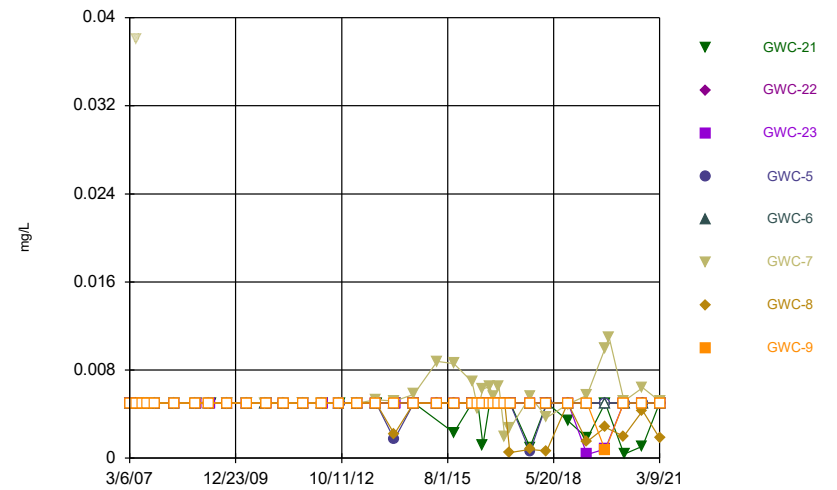
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



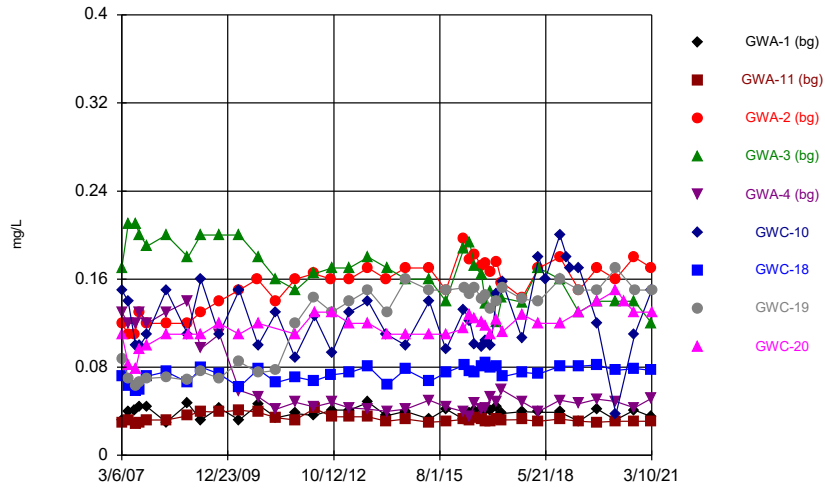
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



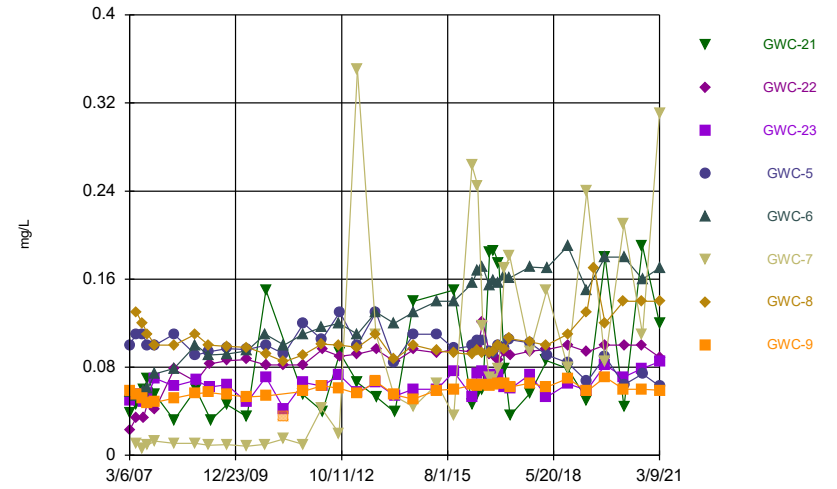
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Time Series



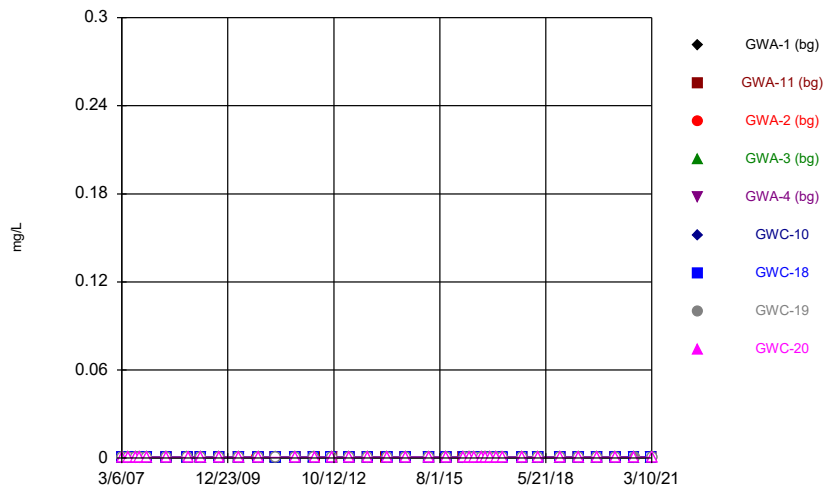
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



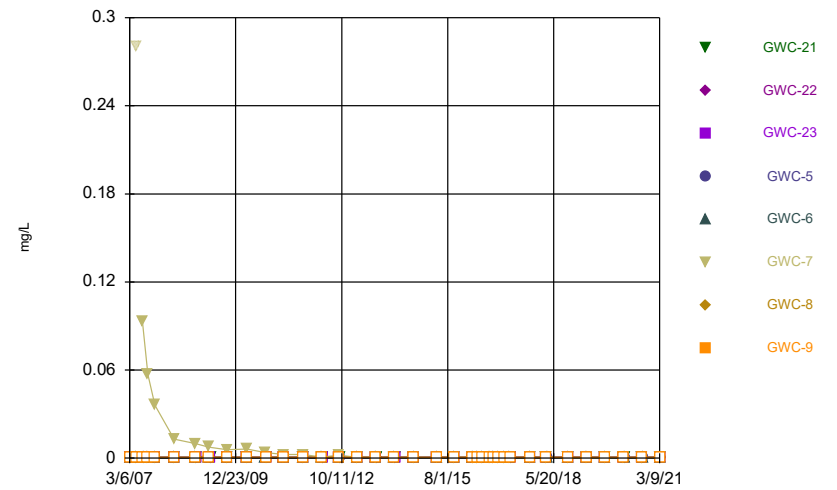
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



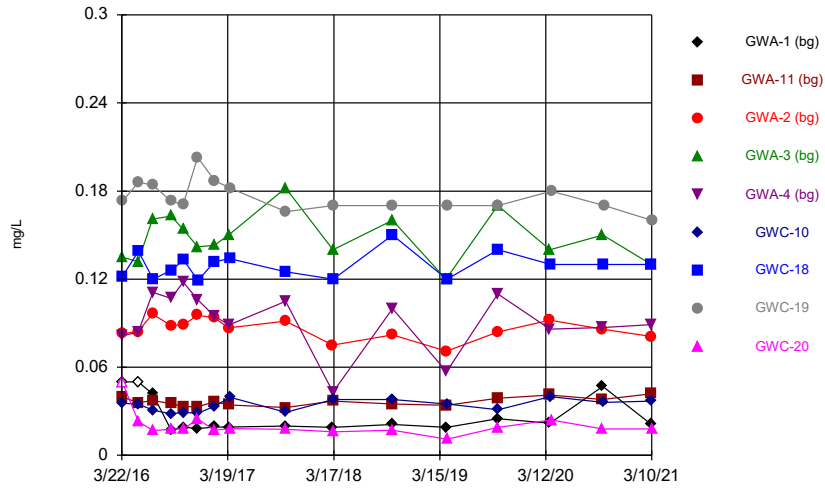
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



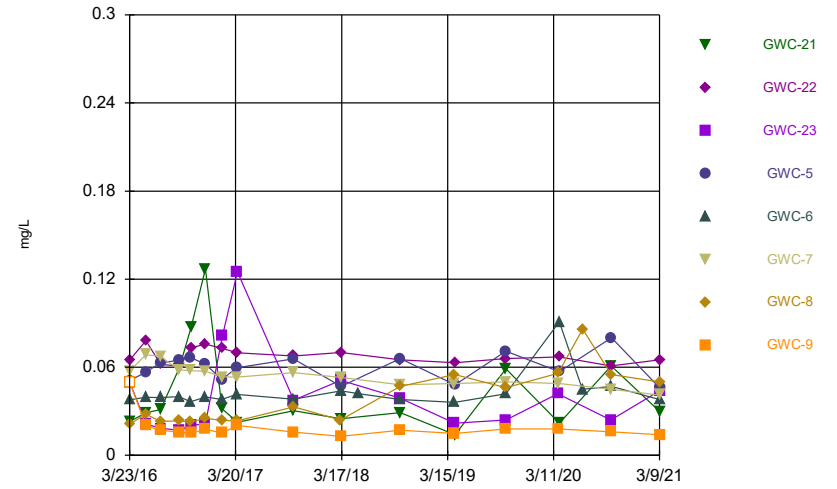
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



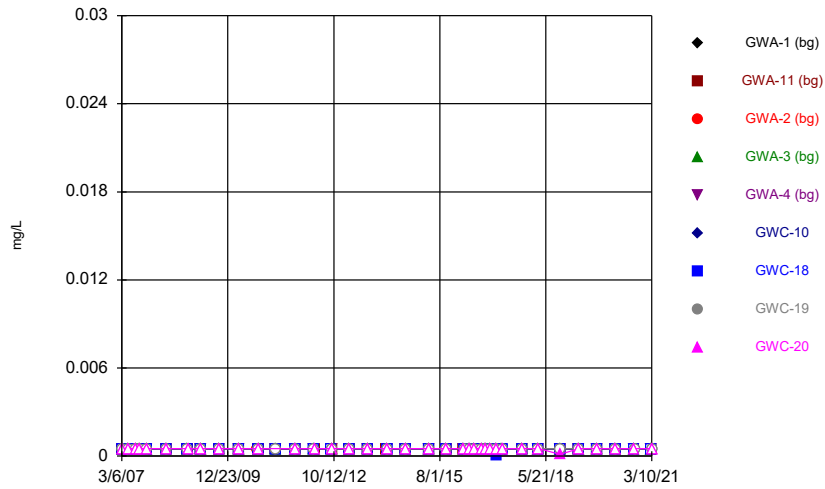
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



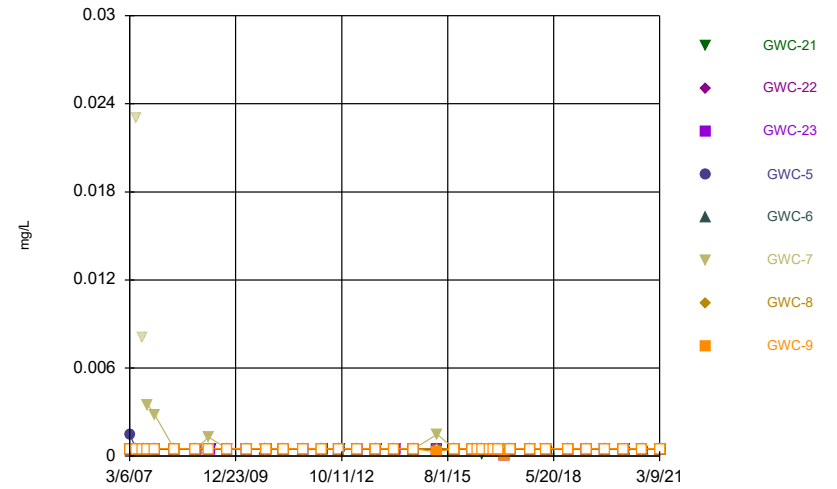
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



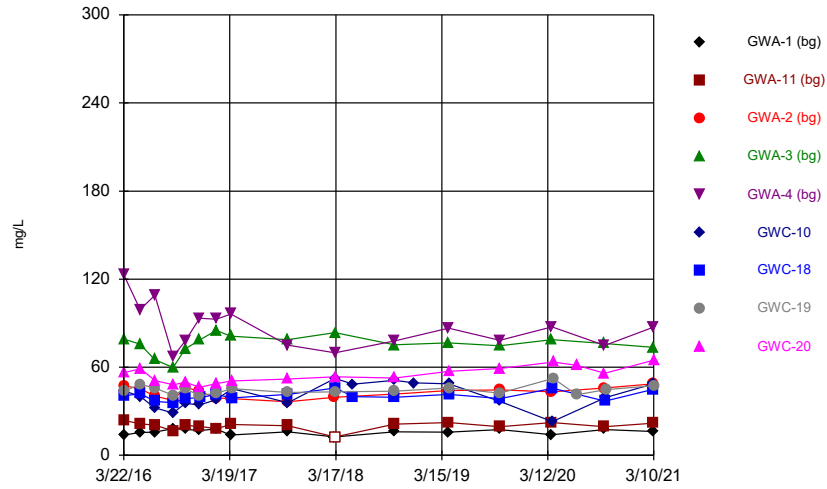
Constituent: Cadmium Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



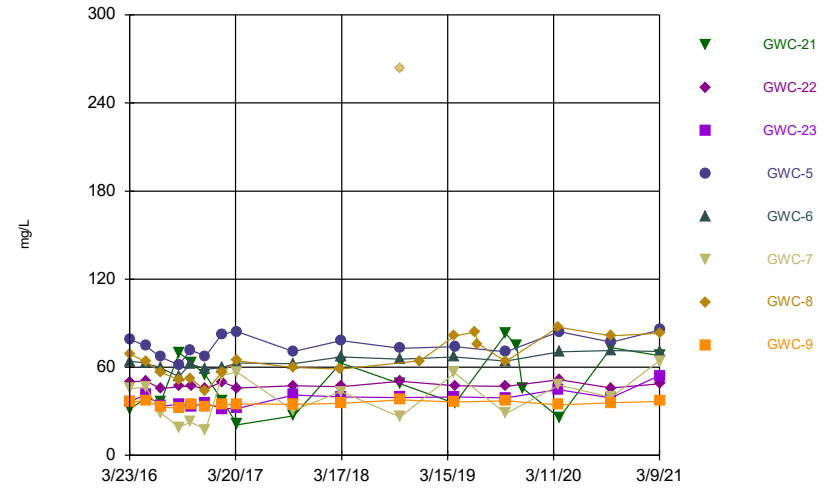
Constituent: Cadmium Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



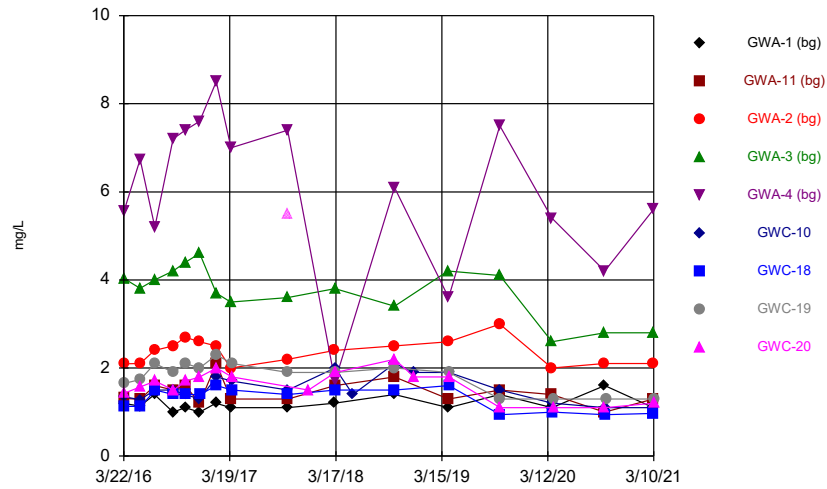
Constituent: Calcium Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



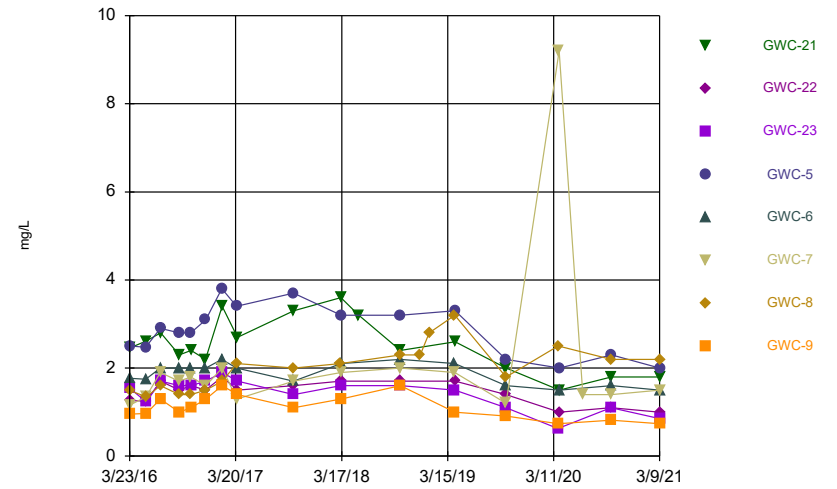
Constituent: Calcium Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



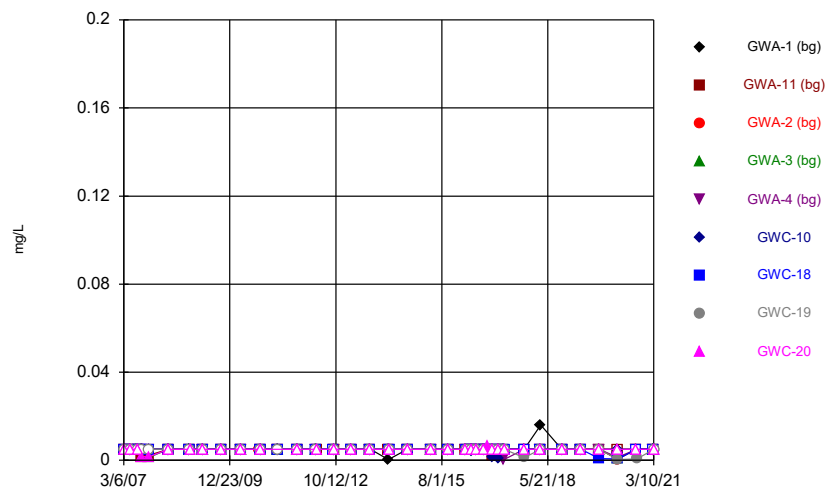
Constituent: Chloride Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



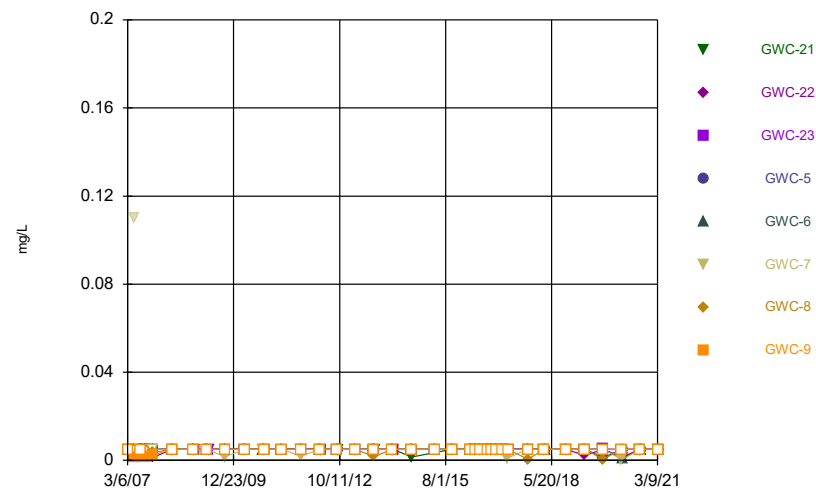
Constituent: Chloride Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



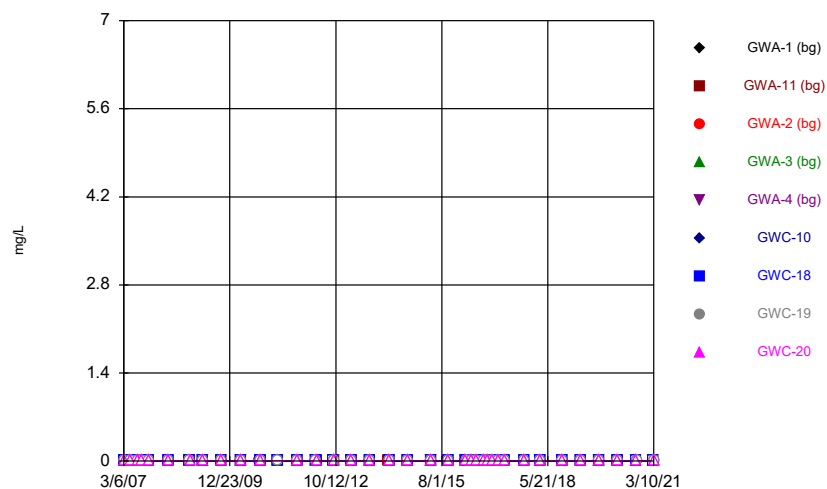
Constituent: Chromium Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



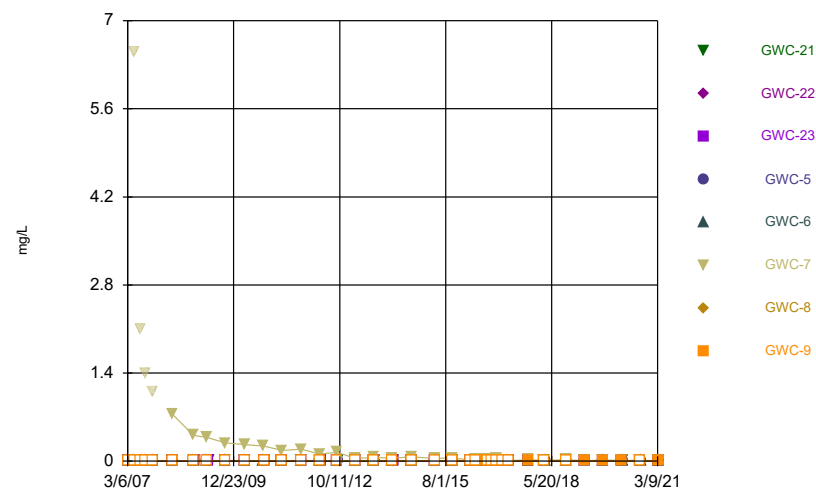
Constituent: Chromium Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



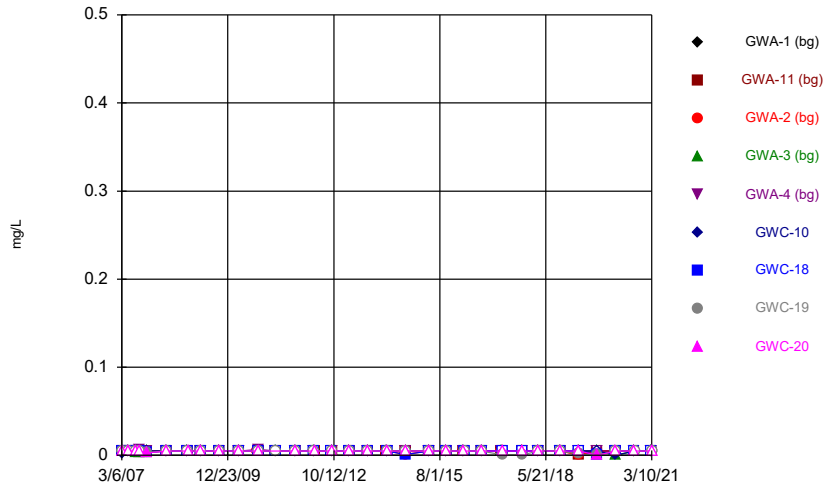
Constituent: Cobalt Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



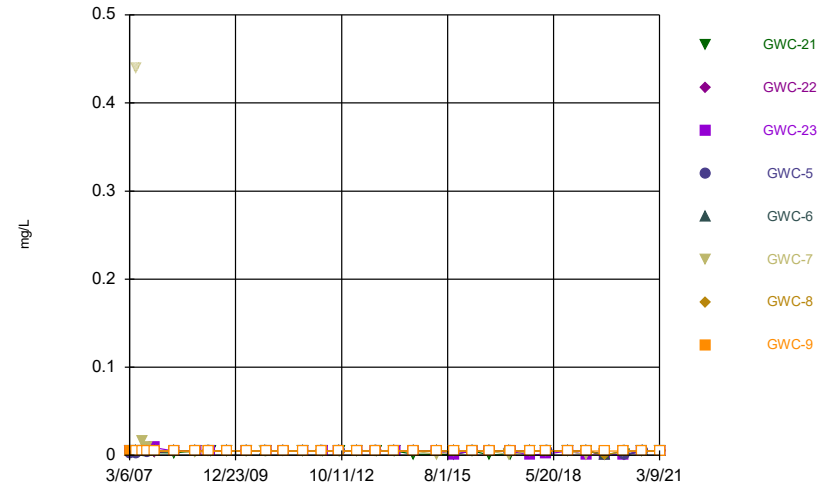
Constituent: Cobalt Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



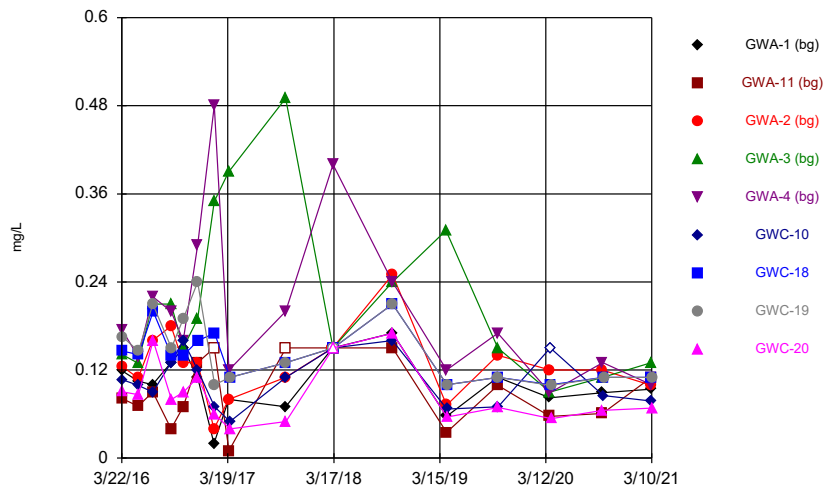
Constituent: Copper Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



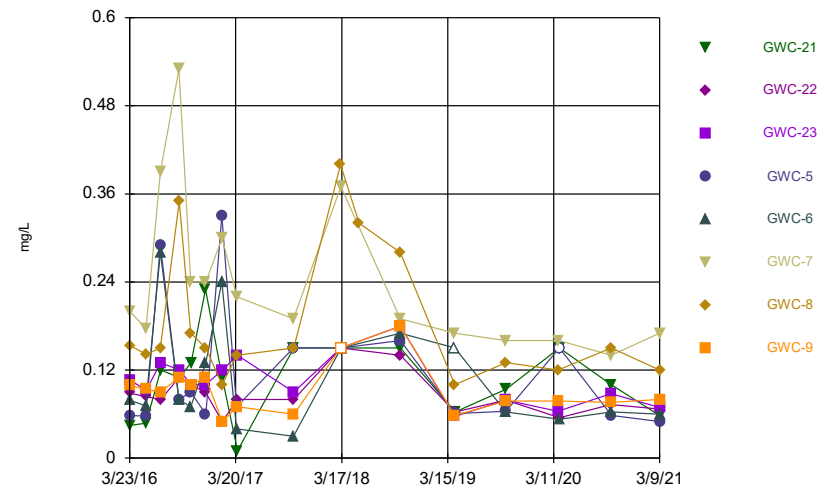
Constituent: Copper Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



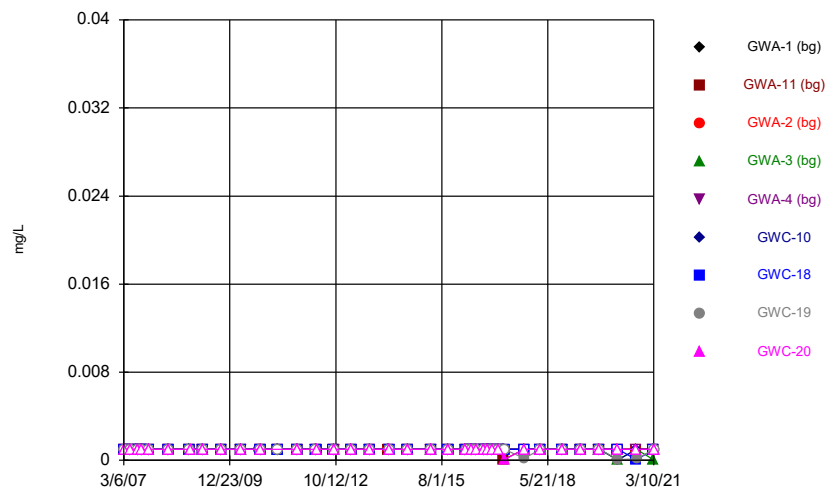
Constituent: Fluoride Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



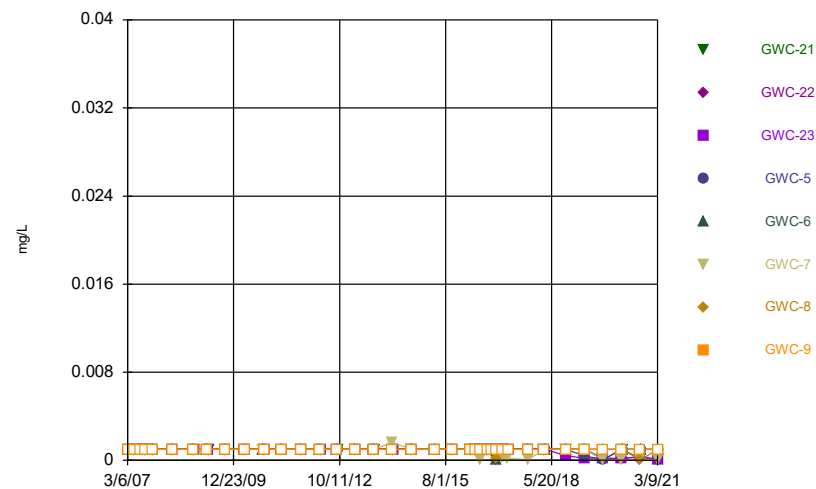
Constituent: Fluoride Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



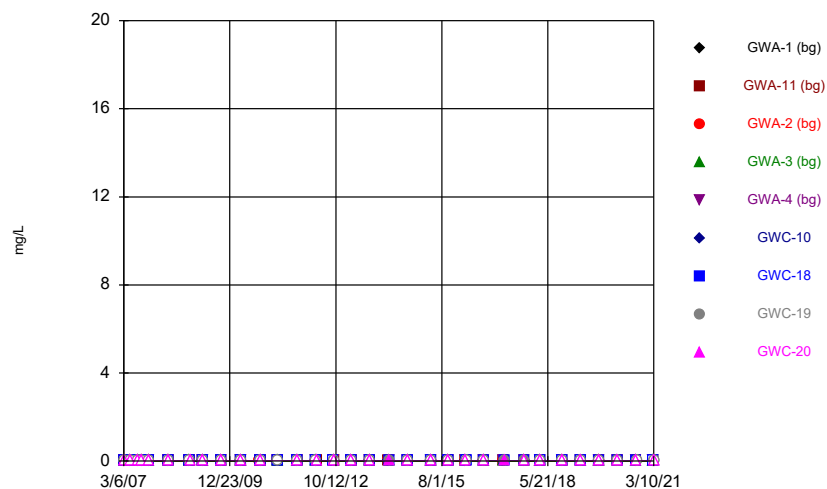
Constituent: Lead Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



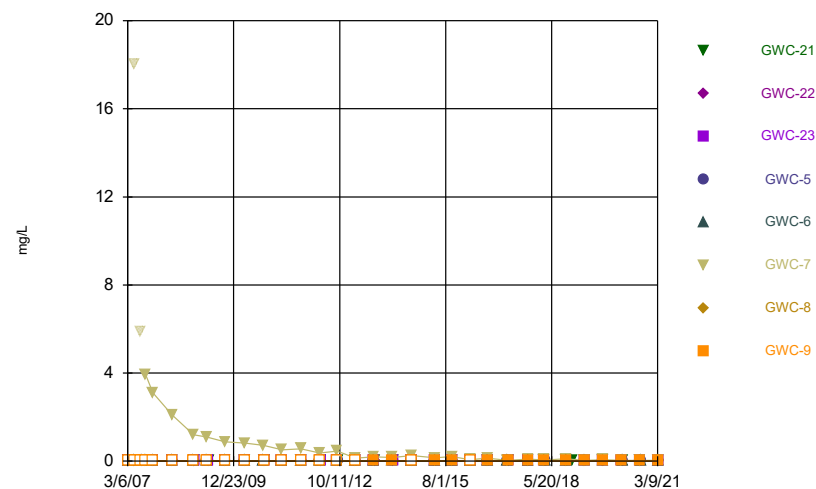
Constituent: Lead Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



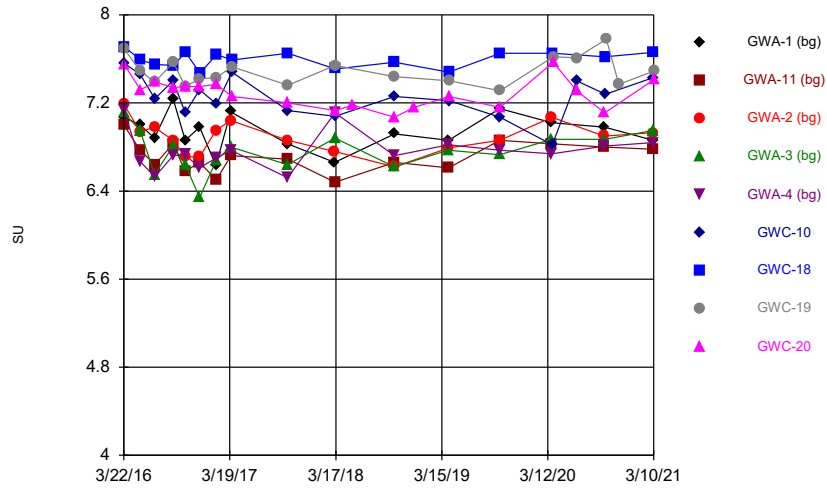
Constituent: Nickel Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



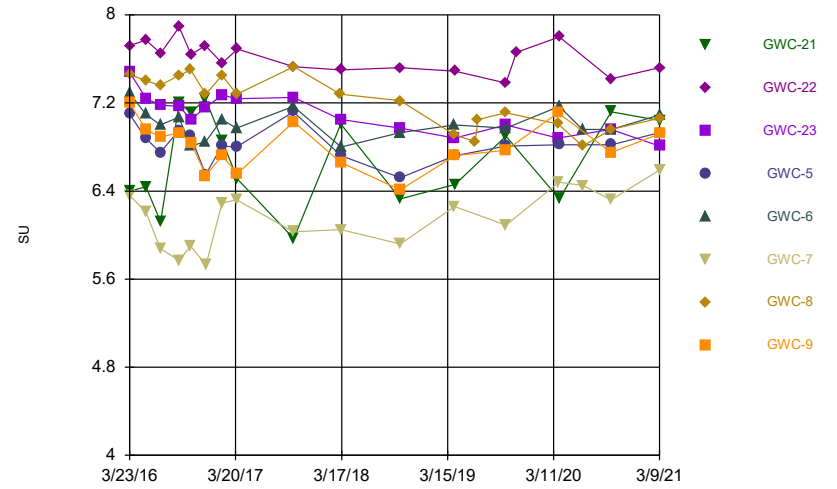
Constituent: Nickel Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



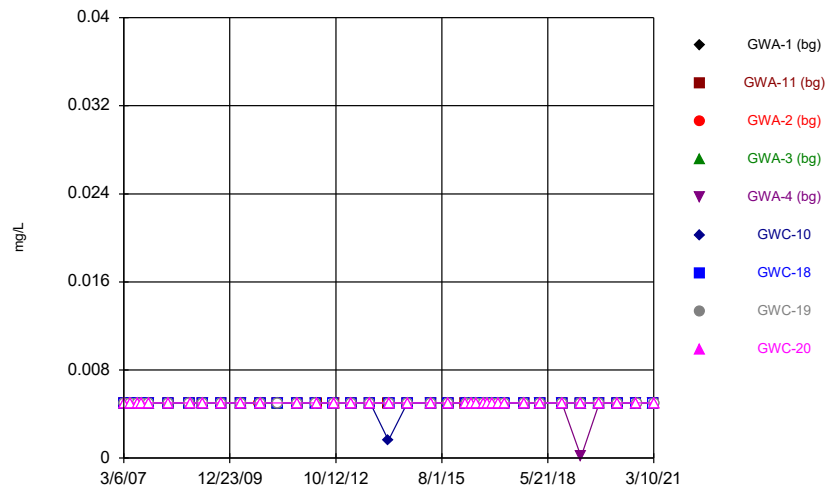
Constituent: pH Analysis Run 4/1/2021 1:41 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



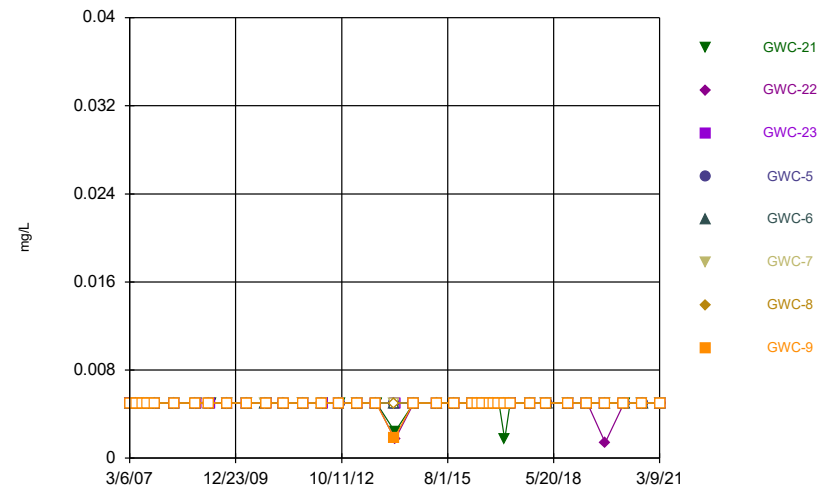
Constituent: pH Analysis Run 4/1/2021 1:41 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



Constituent: Selenium Analysis Run 4/1/2021 1:41 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

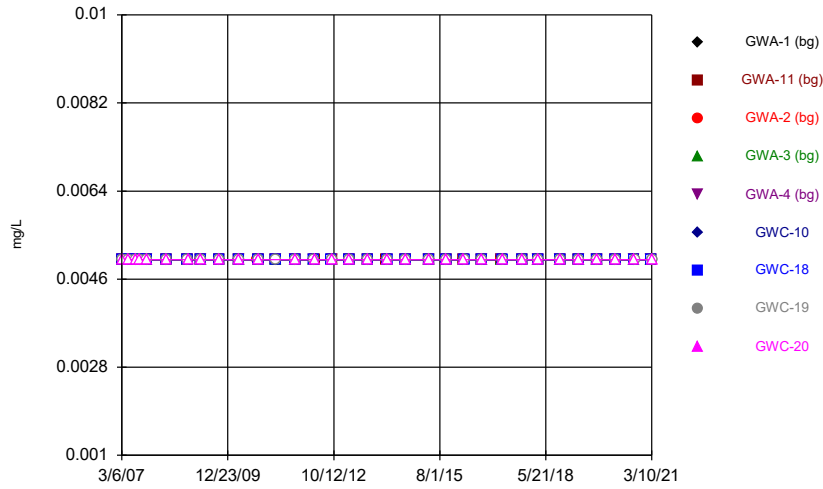
Time Series



Constituent: Selenium Analysis Run 4/1/2021 1:41 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

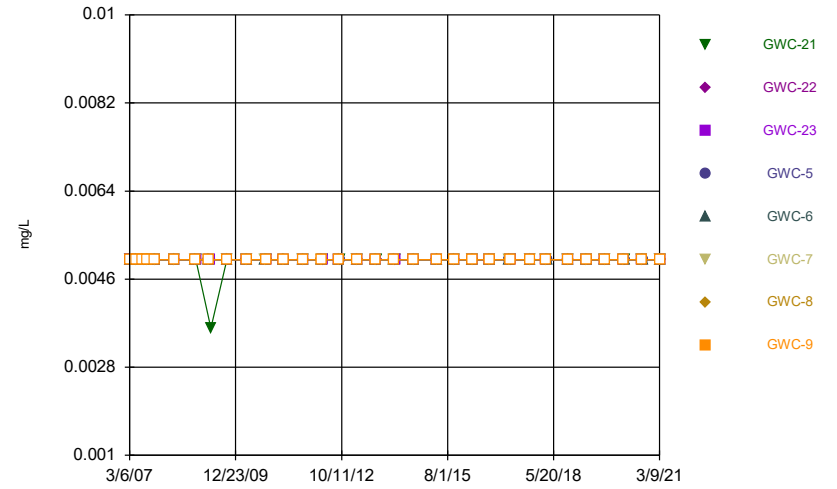


### Time Series



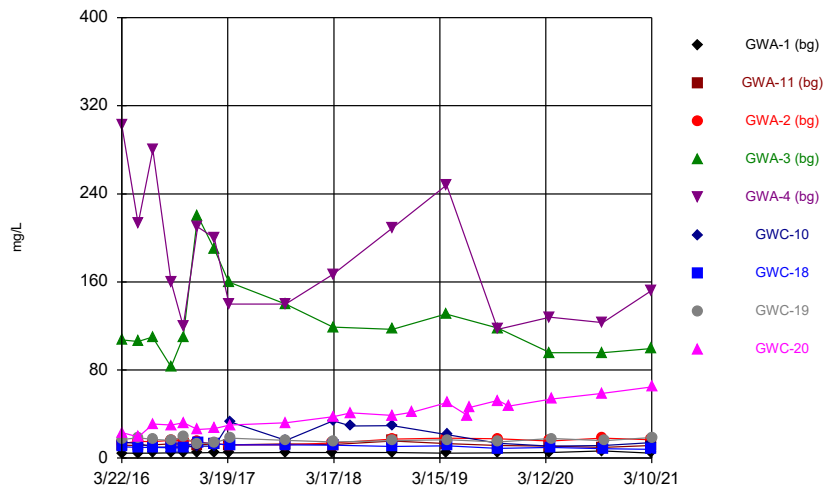
Constituent: Silver Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



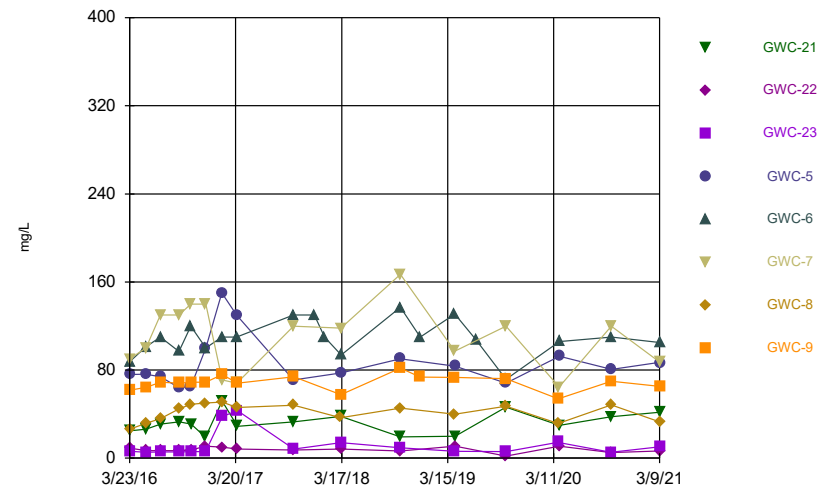
Constituent: Silver Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



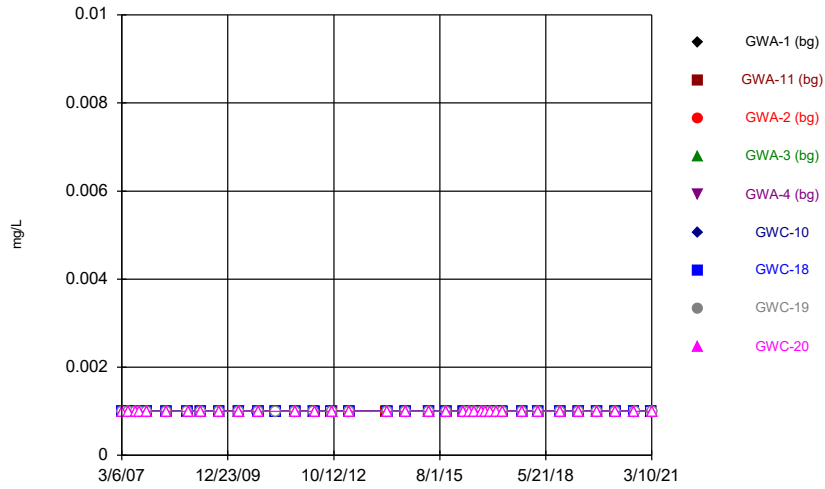
Constituent: Sulfate Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



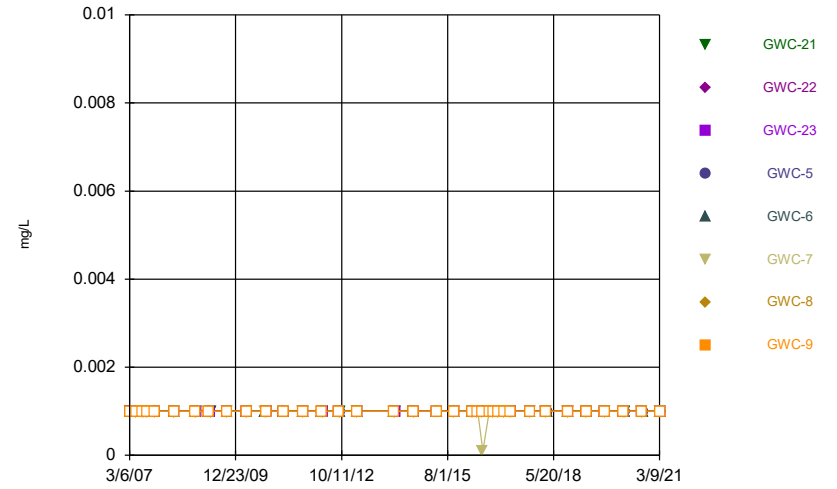
Constituent: Sulfate Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



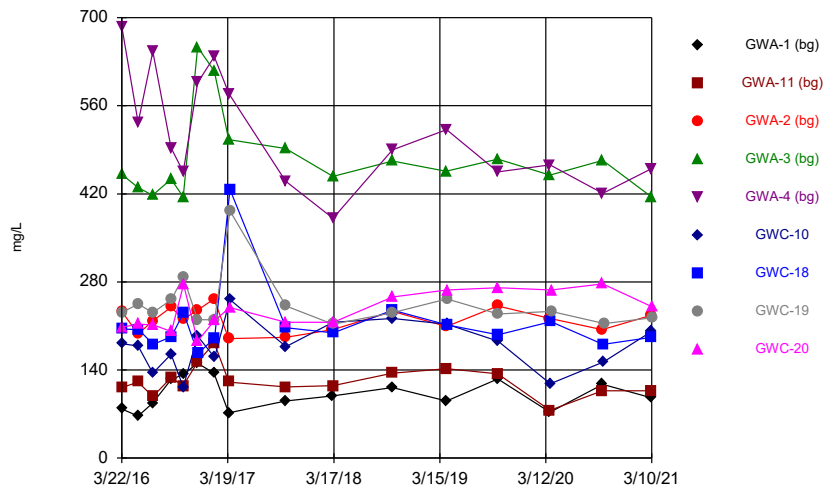
Constituent: Thallium Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



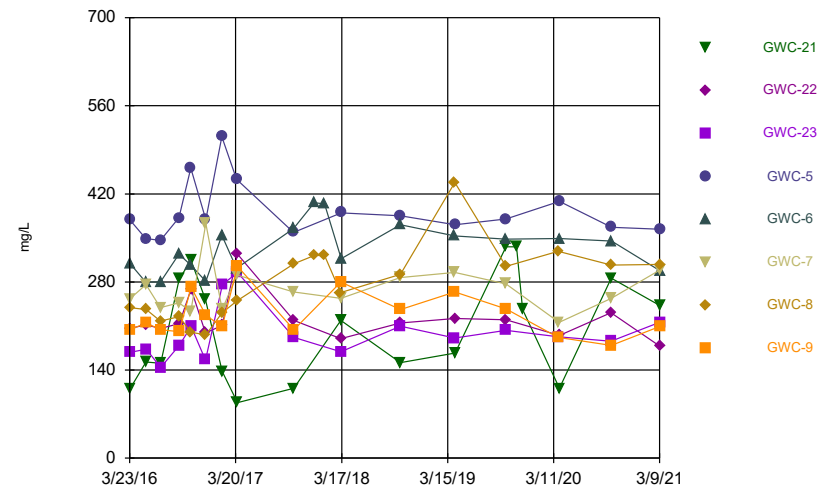
Constituent: Thallium Analysis Run 4/1/2021 1:41 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



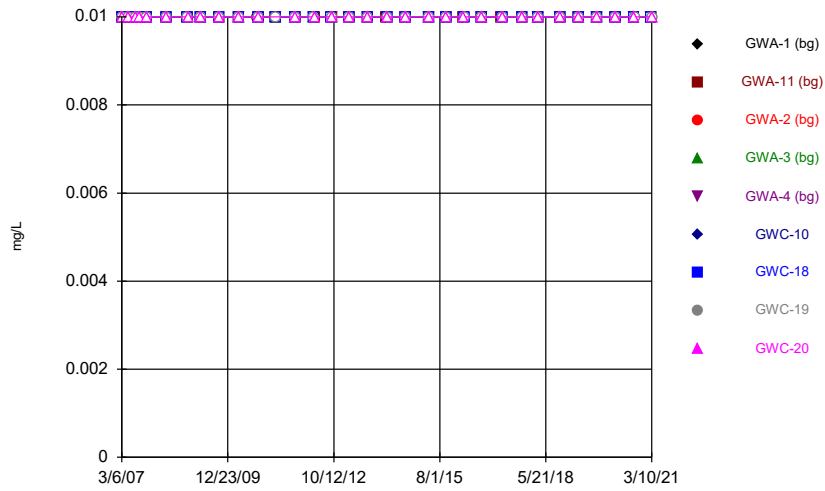
Constituent: Total Dissolved Solids Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



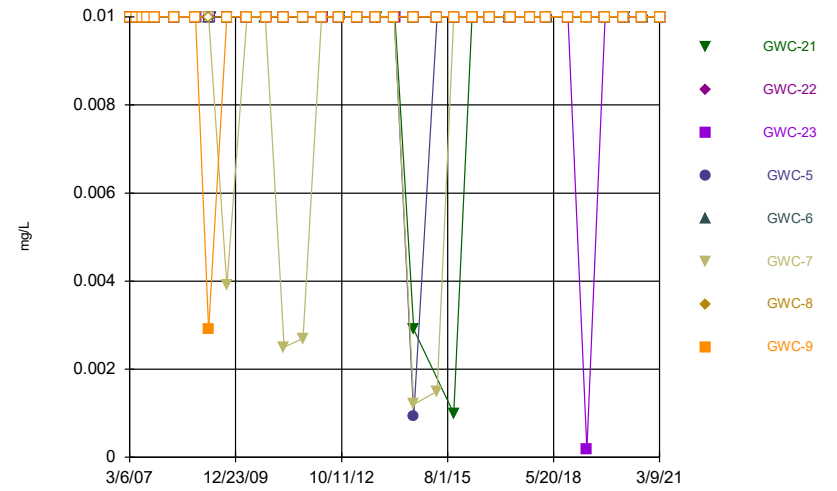
Constituent: Total Dissolved Solids Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



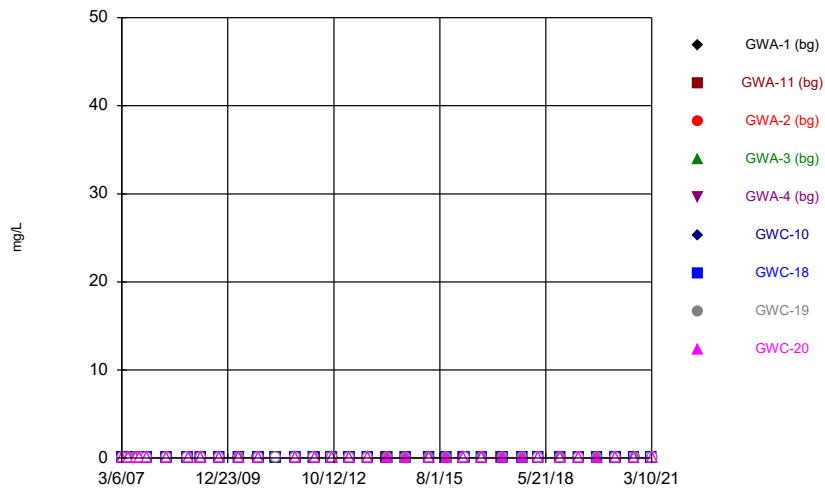
Constituent: Vanadium Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



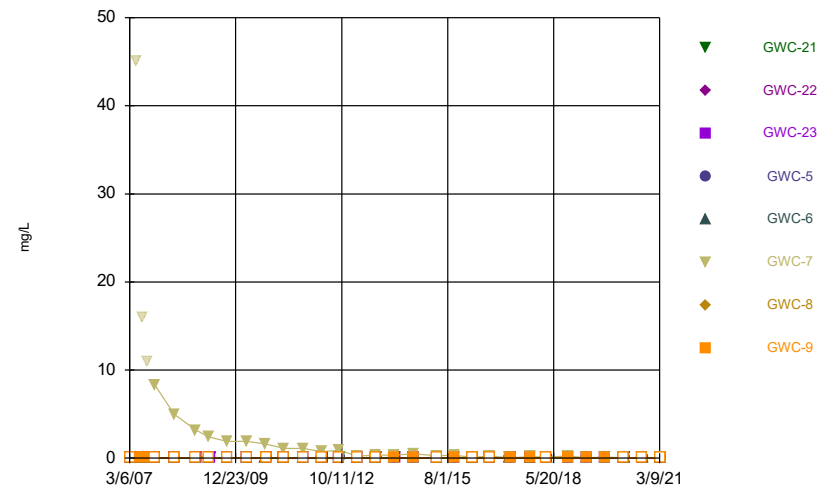
Constituent: Vanadium Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



Constituent: Zinc Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



Constituent: Zinc Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.003		<0.003	<0.003	<0.003			<0.003	
3/7/2007		<0.003				<0.003	<0.003		<0.003
5/8/2007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
5/9/2007							<0.003	<0.003	<0.003
7/7/2007	<0.003		<0.003						
7/17/2007		<0.003		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
8/28/2007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
8/29/2007									<0.003
11/6/2007	<0.003		<0.003	<0.003	<0.003				
11/7/2007		<0.003				<0.003	<0.003	<0.003	<0.003
5/7/2008							<0.003	<0.003	<0.003
5/8/2008				<0.003	<0.003				
5/9/2008	<0.003	<0.003	<0.003			<0.003			
12/2/2008		<0.003				<0.003			
12/3/2008	<0.003		<0.003	<0.003	<0.003		<0.003		
12/4/2008								<0.003	
12/5/2008									<0.003
4/7/2009	<0.003		<0.003	<0.003	<0.003				
4/8/2009		<0.003				<0.003			
4/14/2009							<0.003	<0.003	<0.003
9/30/2009									<0.003
10/1/2009	<0.003	<0.003	<0.003			<0.003	<0.003		
10/2/2009				<0.003	<0.003			<0.003	
4/13/2010							<0.003	<0.003	<0.003
4/14/2010	<0.003	<0.003		<0.003	<0.003	<0.003			
10/7/2010			<0.003						
10/12/2010							<0.003	<0.003	<0.003
10/13/2010	<0.003	<0.003				<0.003			
10/14/2010				<0.003	<0.003				
4/5/2011				<0.003	<0.003				
4/6/2011	<0.003	<0.003	<0.003			<0.003	<0.003	<0.003	
10/4/2011		<0.003				<0.003			
10/6/2011			<0.003						
10/10/2011	<0.003								
10/12/2011				<0.003	<0.003		<0.003	<0.003	<0.003
4/3/2012	<0.003		<0.003						
4/4/2012				<0.003	<0.003				
4/5/2012							<0.003	<0.003	
4/9/2012									<0.003
4/10/2012		<0.003				<0.003			
9/19/2012			<0.003				<0.003		
9/24/2012	<0.003				<0.003				
9/25/2012								<0.003	<0.003
9/26/2012		<0.003		<0.003		<0.003			
3/12/2013	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
3/13/2013							<0.003	<0.003	<0.003
9/9/2013			<0.003						
9/10/2013		<0.003		<0.003	<0.003	<0.003	<0.003		
9/11/2013	<0.003							<0.003	<0.003
3/4/2014	<0.003	<0.003	<0.003			<0.003			
3/10/2014							<0.003	<0.003	<0.003
3/11/2014				<0.003	<0.003				

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.003	<0.003	<0.003			<0.003	<0.003		
9/8/2014				<0.003	<0.003				
9/9/2014								<0.003	<0.003
4/21/2015	<0.003	<0.003		<0.003	<0.003	<0.003			
4/22/2015			<0.003				<0.003	<0.003	
4/23/2015									<0.003
9/29/2015		<0.003		<0.003	<0.003				
9/30/2015	<0.003		<0.003			<0.003	<0.003	<0.003	<0.003
3/22/2016	<0.003	<0.003	<0.003	<0.003	<0.003				
3/23/2016						<0.003			<0.003
3/24/2016							<0.003	<0.003	
5/17/2016	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
5/18/2016							<0.003	<0.003	<0.003
7/5/2016	<0.003		<0.003	<0.003					
7/6/2016		0.0003 (J)			0.0003 (J)	0.0005 (J)		0.0003 (J)	
7/7/2016							<0.003		<0.003
9/7/2016	<0.003	<0.003	0.0021 (J)	0.0009 (J)	<0.003	<0.003			
9/8/2016							<0.003	<0.003	<0.003
10/18/2016	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	
10/19/2016							<0.003		<0.003
12/6/2016	<0.003	<0.003		<0.003	<0.003	<0.003			
12/7/2016			<0.003					<0.003	<0.003
12/8/2016							<0.003		
1/31/2017	<0.003		<0.003						
2/1/2017		<0.003		<0.003	<0.003				
2/2/2017						<0.003	<0.003	<0.003	
2/3/2017									<0.003
3/23/2017	<0.003		<0.003	<0.003					
3/24/2017		<0.003			<0.003				
3/27/2017						<0.003	<0.003	<0.003	<0.003
10/4/2017	<0.003		<0.003	<0.003	<0.003				
10/5/2017		<0.003				<0.003	<0.003	<0.003	<0.003
3/14/2018	<0.003		<0.003						
3/15/2018		<0.003		<0.003	<0.003	<0.003		<0.003	
3/16/2018							<0.003		<0.003
10/4/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	
10/5/2018							<0.003		<0.003
4/5/2019				<0.003					
4/8/2019	<0.003	<0.003	<0.003		<0.003				
4/9/2019						<0.003	<0.003	<0.003	<0.003
9/30/2019	<0.003	<0.003	<0.003	<0.003	<0.003				
10/1/2019						<0.003	<0.003	<0.003	<0.003
3/26/2020	0.00028 (J)	<0.003	0.00049 (J)	<0.003	<0.003				
3/27/2020						<0.003			
3/30/2020							<0.003		
3/31/2020								<0.003	<0.003
9/21/2020			<0.003						
9/22/2020		<0.003							
9/23/2020	<0.003			<0.003	<0.003				<0.003
9/24/2020							0.00033 (J)		
9/25/2020						<0.003			
9/28/2020								<0.003	

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.003	0.0005 (J)		<0.003	0.0016 (J)				
3/9/2021			<0.003			<0.003	<0.003		
3/10/2021								<0.003	<0.003

# Time Series

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.003	<0.003	<0.003					
3/7/2007				<0.003	<0.003			<0.003
5/8/2007				<0.003				<0.003
5/9/2007	<0.003	<0.003	<0.003		<0.003	<0.003	<0.003	
7/6/2007				<0.003		<0.003	<0.003	<0.003
7/17/2007	<0.003	<0.003	<0.003		<0.003			
8/28/2007				<0.003	<0.003	<0.003	<0.003	<0.003
8/29/2007	<0.003	<0.003	<0.003					
11/6/2007				<0.003	<0.003	<0.003	0.0064 (o)	<0.003
11/7/2007	<0.003	<0.003	<0.003					
5/7/2008	<0.003	<0.003	<0.003					
5/8/2008				<0.003	<0.003	<0.003	<0.003	<0.003
12/2/2008						<0.003	<0.003	<0.003
12/3/2008				<0.003	<0.003			
12/5/2008	<0.003	<0.003	<0.003					
4/7/2009				<0.003	<0.003			
4/8/2009						<0.003	<0.003	<0.003
4/14/2009		<0.003	<0.003					
4/27/2009	<0.003							
9/30/2009	<0.003	<0.003					<0.003	<0.003
10/1/2009			<0.003	<0.003	<0.003	<0.003		
4/13/2010	<0.003	<0.003			<0.003	<0.003	<0.003	<0.003
4/14/2010			<0.003	<0.003				
10/6/2010					<0.003			
10/7/2010						<0.003		
10/12/2010	<0.003	<0.003						
10/13/2010			<0.003				<0.003	<0.003
10/14/2010				<0.003				
4/5/2011				<0.003	<0.003	<0.003	<0.003	<0.003
4/6/2011		<0.003	<0.003					
10/4/2011					<0.003	<0.003	<0.003	<0.003
10/5/2011	<0.003	<0.003						
10/12/2011			<0.003	<0.003				
4/3/2012					<0.003	<0.003	<0.003	
4/4/2012				<0.003				<0.003
4/9/2012		<0.003	<0.003					
4/10/2012	<0.003							
9/18/2012					<0.003	<0.003		
9/19/2012			<0.003				<0.003	<0.003
9/24/2012				<0.003				
9/25/2012		<0.003						
9/26/2012	<0.003							
3/12/2013				<0.003	<0.003	<0.003	<0.003	<0.003
3/13/2013	<0.003	<0.003	<0.003					
9/9/2013					<0.003			
9/10/2013			<0.003	<0.003		<0.003	<0.003	<0.003
9/11/2013	<0.003	<0.003						
3/5/2014				<0.003	<0.003	<0.003	<0.003	<0.003
3/11/2014	<0.003	<0.003	<0.003					
9/3/2014			<0.003					<0.003
9/8/2014					<0.003	<0.003		
9/9/2014	<0.003	<0.003		<0.003			<0.003	





# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		<0.005				<0.005	<0.005	<0.005	<0.005
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	0.0065			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				<0.005				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	<0.005	<0.005	<0.005			<0.005			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				0.005	<0.005				

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	<0.005	<0.005			<0.005	<0.005		
9/8/2014				0.0034 (J)	<0.005				
9/9/2014								<0.005	<0.005
4/21/2015	<0.005	<0.005		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		<0.005		0.0025 (J)	<0.005				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
5/17/2016	<0.005	<0.005	<0.005	0.00129 (J)	<0.005	<0.005			
5/18/2016							<0.005	<0.005	<0.005
7/5/2016	<0.005		<0.005	0.001 (J)					
7/6/2016		<0.005			<0.005	<0.005		<0.005	
7/7/2016							<0.005		<0.005
9/7/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	<0.005	<0.005
10/18/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/19/2016							<0.005		<0.005
12/6/2016	<0.005	<0.005		<0.005	<0.005	<0.005			
12/7/2016			<0.005					<0.005	<0.005
12/8/2016							<0.005		
1/31/2017	<0.005		<0.005						
2/1/2017		<0.005		<0.005	<0.005				
2/2/2017						<0.005	<0.005	<0.005	
2/3/2017									<0.005
3/23/2017	<0.005		<0.005	0.0006 (J)					
3/24/2017		<0.005			0.0006 (J)				
3/27/2017						<0.005	0.0005 (J)	<0.005	<0.005
10/4/2017	<0.005		<0.005	0.0011 (J)	<0.005				
10/5/2017		<0.005				<0.005	<0.005	<0.005	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		<0.005		0.00066 (J)	0.0014 (J)	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	<0.005	<0.005	0.0008 (J)	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				0.00035 (J)					
4/8/2019	<0.005	0.00012 (J)	<0.005		0.00023 (J)				
4/9/2019						<0.005	0.00063 (J)	<0.005	<0.005
9/30/2019	<0.005	<0.005	<0.005	0.00058 (J)	<0.005				
10/1/2019						<0.005	<0.005	<0.005	<0.005
3/26/2020	<0.005	<0.005	<0.005	0.00048 (J)	0.00044 (J)				
3/27/2020						<0.005			
3/30/2020							0.00073 (J)		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		<0.005							
9/23/2020	<0.005			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								<0.005	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.005	<0.005		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	0.038 (o)	<0.005	
7/6/2007				<0.005		<0.005	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	<0.005	<0.005	<0.005
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	<0.005	<0.005	<0.005
11/7/2007	<0.005	<0.005	<0.005					
5/7/2008	<0.005	<0.005	<0.005					
5/8/2008				<0.005	<0.005	<0.005	<0.005	<0.005
12/2/2008						<0.005	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						<0.005	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	<0.005							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	<0.005		
4/13/2010	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						<0.005		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	<0.005	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	<0.005	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	<0.005	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	<0.005		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	<0.005							
3/12/2013				<0.005	<0.005	<0.005	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		0.0053	<0.005	<0.005
9/11/2013	<0.005	<0.005						
3/5/2014				0.0017 (J)	<0.005	0.0052	0.0022 (J)	<0.005
3/11/2014	<0.005	<0.005	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	0.0058		
9/9/2014	<0.005	<0.005		<0.005			<0.005	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				<0.005		0.0088		<0.005
4/22/2015					<0.005		<0.005	
4/23/2015		<0.005	<0.005					
9/29/2015				<0.005	<0.005	0.0086	<0.005	<0.005
9/30/2015	0.0023 (J)	<0.005	<0.005					
3/23/2016		<0.005	<0.005	<0.005	<0.005	0.00693	<0.005	<0.005
3/24/2016	<0.005							
5/17/2016				<0.005	<0.005			
5/18/2016	<0.005	<0.005				0.00451 (J)	<0.005	<0.005
5/19/2016			<0.005					
7/6/2016				<0.005	<0.005	0.0063	<0.005	<0.005
7/7/2016	0.0012 (J)	<0.005	<0.005					
9/7/2016				<0.005	<0.005	0.0065		
9/8/2016	<0.005	<0.005	<0.005				<0.005	<0.005
10/18/2016				<0.005	<0.005	0.0056	<0.005	
10/19/2016	<0.005	<0.005	<0.005					<0.005
12/7/2016	<0.005	<0.005	<0.005					
12/8/2016				<0.005	<0.005	0.0065	<0.005	<0.005
2/1/2017				<0.005	<0.005			
2/2/2017	<0.005	<0.005				0.002 (J)	<0.005	<0.005
2/3/2017			<0.005					
3/23/2017				<0.005	<0.005			
3/24/2017						0.0027 (J)	0.0005 (J)	
3/27/2017	<0.005	<0.005	<0.005					<0.005
10/4/2017				0.0006 (J)	<0.005	0.0056		
10/5/2017	0.001 (J)	<0.005	<0.005				0.0008 (J)	<0.005
3/14/2018							0.00064 (J)	
3/15/2018	<0.005	<0.005	<0.005			0.0037 (J)		<0.005
3/16/2018				<0.005	<0.005			
10/4/2018	0.0034 (J)	<0.005		<0.005	<0.005	0.0049 (J)	<0.005	
10/5/2018			<0.005					<0.005
4/8/2019			0.00034 (J)		<0.005	0.0057	0.0015 (J)	<0.005
4/9/2019	0.0018 (J)	<0.005		<0.005				
10/1/2019	<0.005	<0.005	0.00082 (J)	<0.005	<0.005	0.01	0.0028 (J)	0.00071 (J)
11/6/2019						0.011		
3/26/2020			<0.005					
3/27/2020							0.002 (J)	<0.005
3/30/2020						0.0052		
3/31/2020	0.00035 (J)	<0.005		<0.005	<0.005			
9/23/2020		<0.005	<0.005					
9/24/2020	0.0011 (J)					0.0064	0.0043 (J)	<0.005
9/25/2020				<0.005	<0.005			
3/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	0.0052	0.0018 (J)	<0.005

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	0.032		0.12	0.17	0.13			0.088	
3/7/2007		0.03				0.15	0.072		0.11
5/8/2007	0.04	0.032	0.11	0.21	0.12	0.14			
5/9/2007							0.063	0.07	0.082
7/7/2007	0.041		0.11						
7/17/2007		0.028		0.21	0.12	0.1	0.058	0.063	0.078
8/28/2007	0.044	0.03	0.13	0.2	0.13	0.1	0.06	0.066	
8/29/2007									0.096
11/6/2007	0.044		0.12	0.19	0.12				
11/7/2007		0.032				0.11	0.072	0.07	0.1
5/7/2008							0.076	0.071	0.11
5/8/2008				0.2	0.13				
5/9/2008	0.03	0.032	0.12			0.15			
12/2/2008		0.036				0.11			
12/3/2008	0.047		0.12	0.18	0.14		0.066		
12/4/2008								0.068	
12/5/2008									0.11
4/7/2009	0.032		0.13	0.2	0.097				
4/8/2009		0.04				0.16			
4/14/2009							0.08	0.076	0.11
9/30/2009									0.12
10/1/2009	0.043	0.039	0.14			0.11	0.074		
10/2/2009				0.2	0.11			0.07	
4/13/2010			0.15				0.062	0.085	0.11
4/14/2010	0.032	0.041		0.2	0.059	0.15			
10/7/2010			0.16						
10/12/2010							0.078	0.075	0.12
10/13/2010	0.046	0.039				0.1			
10/14/2010				0.18	0.053				
4/5/2011				0.16	0.042				
4/6/2011	0.034	0.034	0.14			0.13	0.066	0.077	
10/4/2011		0.032				0.089			
10/6/2011			0.16						
10/10/2011	0.038								
10/12/2011				0.15	0.048		0.071	0.12	0.11
4/3/2012	0.0363		0.165						
4/4/2012				0.165	0.044				
4/5/2012							0.0675	0.143	
4/9/2012									0.13
4/10/2012		0.0425				0.126			
9/19/2012			0.16				0.073		
9/24/2012	0.041				0.048				
9/25/2012								0.13	0.13
9/26/2012		0.035		0.17		0.093			
3/12/2013	0.041	0.035	0.16	0.17	0.043	0.13			
3/13/2013							0.075	0.14	0.12
9/9/2013			0.17						
9/10/2013		0.035		0.18	0.042	0.14	0.081		
9/11/2013	0.048							0.15	0.12
3/4/2014	0.036	0.031	0.16			0.11			
3/10/2014							0.064	0.13	0.11
3/11/2014				0.17	0.04				

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	0.04	0.033	0.17			0.1	0.078		
9/8/2014				0.16	0.042				
9/9/2014								0.16	0.11
4/21/2015	0.033	0.03		0.16	0.05	0.14			
4/22/2015			0.17				0.067	0.15	
4/23/2015									0.11
9/29/2015		0.031		0.14	0.044				
9/30/2015	0.042		0.15			0.096	0.075	0.15	0.11
3/22/2016	0.0326	0.0327	0.197	0.188	0.0397				
3/23/2016						0.132			0.115
3/24/2016							0.0818	0.152	
5/17/2016	0.0387	0.0323	0.178	0.193	0.0351	0.122			
5/18/2016							0.0763	0.146	0.128
7/5/2016	0.0403		0.182	0.172					
7/6/2016		0.0344			0.0475	0.101		0.152	
7/7/2016							0.0747		0.124
9/7/2016	0.0413	0.0324	0.172	0.164	0.0415	0.0985			
9/8/2016							0.081	0.142	0.121
10/18/2016	0.0409	0.0311	0.174	0.138	0.0424	0.104		0.145	
10/19/2016							0.084		0.117
12/6/2016	0.0408	0.0311		0.149	0.0528	0.1			
12/7/2016			0.167					0.133	0.11
12/8/2016							0.0799		
1/31/2017	0.0435		0.176						
2/1/2017		0.0332		0.121	0.0482				
2/2/2017						0.147	0.0813	0.14	
2/3/2017									0.123
3/23/2017	0.038		0.157	0.143					
3/24/2017		0.032			0.0595				
3/27/2017						0.158	0.0714	0.152	0.112
10/4/2017	0.0396		0.143	0.139	0.0486				
10/5/2017		0.0325				0.106	0.0755	0.142	0.128
3/14/2018	0.039		0.17						
3/15/2018		0.031		0.17	0.04	0.18		0.14	
3/16/2018							0.074		0.12
5/15/2018						0.16			
10/4/2018	0.039	0.033	0.18	0.16	0.05	0.2		0.16	
10/5/2018							0.081		0.12
12/11/2018						0.18			
1/11/2019						0.17			
4/5/2019				0.13					
4/8/2019	0.031	0.031	0.15		0.047				
4/9/2019						0.17	0.081	0.15	0.13
9/30/2019	0.042	0.03	0.17	0.14	0.051				
10/1/2019						0.12	0.082	0.15	0.14
3/26/2020	0.032	0.031	0.16	0.14	0.049				
3/27/2020						0.037			
3/30/2020							0.077		
3/31/2020								0.17	0.15
6/19/2020									0.14 (R)
9/21/2020			0.18						
9/22/2020		0.031							





# Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	0.038	0.023	0.05					
3/7/2007				0.1	0.057			0.059
5/8/2007				0.11				0.055
5/9/2007	0.046	0.034	0.055		0.054	0.011	0.13	
7/6/2007				0.11		0.0065	0.12	0.052
7/17/2007	0.06	0.034	0.048		0.059			
8/28/2007				0.1	0.061	0.0095	0.11	0.047
8/29/2007	0.07	0.048	0.056					
11/6/2007				0.1	0.074	0.013	0.1	0.048
11/7/2007	0.055	0.042	0.07					
5/7/2008	0.032	0.078	0.063					
5/8/2008				0.11	0.079	0.011	0.1	0.052
12/2/2008						0.011	0.11	0.056
12/3/2008				0.091	0.1			
12/5/2008	0.06	0.067	0.068					
4/7/2009				0.094	0.091			
4/8/2009						0.0091	0.1	0.057
4/14/2009		0.083	0.062					
4/27/2009	0.032							
9/30/2009	0.046	0.086					0.099	0.055
10/1/2009			0.064	0.097	0.092	0.0098		
4/13/2010	0.035	0.087			0.095	0.0084	0.098	0.053
4/14/2010			0.048	0.096				
10/6/2010					0.11			
10/7/2010						0.01		
10/12/2010	0.15	0.082						
10/13/2010			0.071				0.092	0.054
10/14/2010				0.1				
4/5/2011				0.092	0.1	0.015	0.085	0.035 (o)
4/6/2011		0.082	0.042					
10/4/2011					0.11	0.01	0.091	0.058
10/5/2011	0.055	0.082						
10/12/2011			0.066	0.12				
4/3/2012					0.116	0.0426	0.101	
4/4/2012				0.105				0.0632
4/9/2012		0.0959	0.0628					
4/10/2012	0.0399							
9/18/2012					0.12	0.02		
9/19/2012			0.073				0.1	0.061
9/24/2012				0.13				
9/25/2012		0.09						
9/26/2012	0.093							
3/12/2013				0.1	0.11	0.35	0.098	0.056
3/13/2013	0.066	0.092	0.057					
9/9/2013					0.13			
9/10/2013			0.066	0.13		0.11	0.11	0.067
9/11/2013	0.053	0.096						
3/5/2014				0.084	0.12	0.054	0.087	0.055
3/11/2014	0.039	0.085	0.054					
9/3/2014			0.06					0.051
9/8/2014					0.13	0.044		
9/9/2014	0.14	0.096		0.11			0.1	

# Time Series

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				0.11		0.065		0.059
4/22/2015					0.14		0.095	
4/23/2015		0.093	0.06					
9/29/2015				0.097	0.14	0.036	0.093	0.06
9/30/2015	0.15	0.096	0.076					
3/23/2016		0.0938	0.0533	0.0993	0.156	0.263	0.0918	0.0636
3/24/2016	0.046							
5/17/2016				0.104	0.168			
5/18/2016	0.0557	0.0983				0.245	0.0957	0.0629
5/19/2016			0.074					
7/6/2016				0.104	0.171	0.117	0.0935	0.0646
7/7/2016	0.0596	0.121	0.0766					
9/7/2016				0.0945	0.154	0.0703		
9/8/2016	0.184	0.0917	0.0726				0.0925	0.063
10/18/2016				0.0928	0.159	0.068	0.0939	
10/19/2016	0.186	0.091	0.072					0.0644
12/7/2016	0.174	0.0868	0.0732					
12/8/2016				0.1	0.156	0.0791	0.0996	0.0648
2/1/2017				0.0972	0.163			
2/2/2017	0.0783	0.0939				0.17	0.096	0.0656
2/3/2017			0.0619					
3/23/2017				0.105	0.161			
3/24/2017						0.181	0.106	
3/27/2017	0.0363	0.0905	0.0602					0.0619
10/4/2017				0.102	0.171	0.0937		
10/5/2017	0.0562	0.0945	0.0734				0.103	0.0655
3/14/2018							0.1	
3/15/2018	0.086	0.096	0.053			0.15		0.062
3/16/2018				0.091	0.17			
10/4/2018	0.079	0.1		0.084	0.19	0.08	0.11	
10/5/2018			0.065					0.07
4/8/2019			0.059		0.15	0.24	0.13	0.058
4/9/2019	0.05	0.094		0.067				
6/18/2019							0.17	
10/1/2019	0.18	0.1	0.082	0.09	0.18	0.085	0.12	0.071
3/26/2020			0.071					
3/27/2020							0.14	0.06
3/30/2020						0.21		
3/31/2020	0.044	0.1		0.064	0.18			
9/23/2020		0.1	0.079					
9/24/2020	0.19					0.11	0.14	0.06
9/25/2020				0.074	0.16			
3/9/2021	0.12	0.089	0.085	0.063	0.17	0.31	0.14	0.059

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.0005		<0.0005	<0.0005	<0.0005			<0.0005	
3/7/2007		<0.0005				<0.0005	<0.0005		<0.0005
5/8/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
5/9/2007							<0.0005	<0.0005	<0.0005
7/7/2007	<0.0005		<0.0005						
7/17/2007		<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/28/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8/29/2007									<0.0005
11/6/2007	<0.0005		<0.0005	<0.0005	<0.0005				
11/7/2007		<0.0005				<0.0005	<0.0005	<0.0005	<0.0005
5/7/2008							<0.0005	<0.0005	<0.0005
5/8/2008				<0.0005	<0.0005				
5/9/2008	<0.0005	<0.0005	<0.0005			<0.0005			
12/2/2008		<0.0005				<0.0005			
12/3/2008	<0.0005		<0.0005	<0.0005	<0.0005		<0.0005		
12/4/2008								<0.0005	
12/5/2008									<0.0005
4/7/2009	<0.0005		<0.0005	<0.0005	<0.0005				
4/8/2009		<0.0005				<0.0005			
4/14/2009							<0.0005	<0.0005	<0.0005
9/30/2009									<0.0005
10/1/2009	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005		
10/2/2009				<0.0005	<0.0005			<0.0005	
4/13/2010			<0.0005				<0.0005	<0.0005	<0.0005
4/14/2010	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
10/7/2010			<0.0005						
10/12/2010							<0.0005	<0.0005	<0.0005
10/13/2010	<0.0005	<0.0005				<0.0005			
10/14/2010				<0.0005	<0.0005				
4/5/2011				<0.0005	<0.0005				
4/6/2011	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	
10/4/2011		<0.0005				<0.0005			
10/6/2011			<0.0005						
10/10/2011	<0.0005								
10/12/2011				<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
4/3/2012	<0.0005		<0.0005						
4/4/2012				<0.0005	<0.0005				
4/5/2012							<0.0005	<0.0005	
4/9/2012									<0.0005
4/10/2012		<0.0005				<0.0005			
9/19/2012			<0.0005				<0.0005		
9/24/2012	<0.0005				<0.0005				
9/25/2012								<0.0005	<0.0005
9/26/2012		<0.0005		<0.0005		<0.0005			
3/12/2013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
3/13/2013							<0.0005	<0.0005	<0.0005
9/9/2013			<0.0005						
9/10/2013		<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		
9/11/2013	<0.0005							<0.0005	<0.0005
3/4/2014	<0.0005	<0.0005	<0.0005			<0.0005			
3/10/2014							<0.0005	<0.0005	<0.0005
3/11/2014				<0.0005	<0.0005				

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005		
9/8/2014				<0.0005	<0.0005				
9/9/2014								<0.0005	<0.0005
4/21/2015	<0.0005	<0.0005		8E-05 (J)	<0.0005	<0.0005			
4/22/2015			<0.0005				<0.0005	<0.0005	
4/23/2015									<0.0005
9/29/2015		<0.0005		<0.0005	<0.0005				
9/30/2015	<0.0005		<0.0005			<0.0005	<0.0005	<0.0005	<0.0005
3/22/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
3/23/2016						<0.0005			<0.0005
3/24/2016							<0.0005	<0.0005	
5/17/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
5/18/2016							<0.0005	<0.0005	<0.0005
7/5/2016	<0.0005		<0.0005	<0.0005					
7/6/2016		<0.0005			<0.0005	<0.0005		<0.0005	
7/7/2016							<0.0005		<0.0005
9/7/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/8/2016							<0.0005	<0.0005	<0.0005
10/18/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
10/19/2016							<0.0005		<0.0005
12/6/2016	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
12/7/2016			<0.0005					<0.0005	<0.0005
12/8/2016							<0.0005		
1/31/2017	<0.0005		<0.0005						
2/1/2017		<0.0005		<0.0005	<0.0005				
2/2/2017						<0.0005	<0.0005	<0.0005	
2/3/2017									<0.0005
3/23/2017	<0.0005		<0.0005	<0.0005					
3/24/2017		<0.0005			<0.0005				
3/27/2017						<0.0005	<0.0005	<0.0005	<0.0005
10/4/2017	<0.0005		<0.0005	<0.0005	<0.0005				
10/5/2017		<0.0005				<0.0005	<0.0005	<0.0005	<0.0005
3/14/2018	<0.0005		<0.0005						
3/15/2018		<0.0005		<0.0005	<0.0005	<0.0005		<0.0005	
3/16/2018							<0.0005		<0.0005
10/4/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
10/5/2018							<0.0005		<0.0005
4/5/2019				<0.0005					
4/8/2019	<0.0005	<0.0005	<0.0005		<0.0005				
4/9/2019						<0.0005	<0.0005	<0.0005	<0.0005
9/30/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
10/1/2019						<0.0005	<0.0005	<0.0005	<0.0005
3/26/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
3/27/2020						<0.0005			
3/30/2020							<0.0005		
3/31/2020								<0.0005	<0.0005
9/21/2020			<0.0005						
9/22/2020		<0.0005							
9/23/2020	<0.0005			<0.0005	<0.0005				<0.0005
9/24/2020							<0.0005		
9/25/2020						<0.0005			
9/28/2020								0.0001 (J)	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.0005	<0.0005		<0.0005	<0.0005				
3/9/2021			<0.0005			<0.0005	<0.0005		
3/10/2021								<0.0005	<0.0005

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.0005	<0.0005	<0.0005					
3/7/2007				<0.0005	<0.0005			<0.0005
5/8/2007				<0.0005				<0.0005
5/9/2007	<0.0005	<0.0005	<0.0005		<0.0005	0.28 (o)	<0.0005	
7/6/2007				<0.0005		0.093	<0.0005	<0.0005
7/17/2007	<0.0005	<0.0005	<0.0005		<0.0005			
8/28/2007				<0.0005	<0.0005	0.057	<0.0005	<0.0005
8/29/2007	<0.0005	<0.0005	<0.0005					
11/6/2007				<0.0005	<0.0005	0.036	<0.0005	<0.0005
11/7/2007	<0.0005	<0.0005	<0.0005					
5/7/2008	<0.0005	<0.0005	<0.0005					
5/8/2008				<0.0005	<0.0005	0.013	<0.0005	<0.0005
12/2/2008						0.01	<0.0005	<0.0005
12/3/2008				<0.0005	<0.0005			
12/5/2008	<0.0005	<0.0005	<0.0005					
4/7/2009				<0.0005	<0.0005			
4/8/2009						0.0076	<0.0005	<0.0005
4/14/2009		<0.0005	<0.0005					
4/27/2009	<0.0005							
9/30/2009	<0.0005	<0.0005					<0.0005	<0.0005
10/1/2009			<0.0005	<0.0005	<0.0005	0.0057		
4/13/2010	<0.0005	<0.0005			<0.0005	0.0061	<0.0005	<0.0005
4/14/2010			<0.0005	<0.0005				
10/6/2010					<0.0005			
10/7/2010						0.0039		
10/12/2010	<0.0005	<0.0005						
10/13/2010			<0.0005				<0.0005	<0.0005
10/14/2010				<0.0005				
4/5/2011				<0.0005	<0.0005	0.0025	<0.0005	<0.0005
4/6/2011		<0.0005	<0.0005					
10/4/2011					<0.0005	0.0024	<0.0005	<0.0005
10/5/2011	<0.0005	<0.0005						
10/12/2011			<0.0005	<0.0005				
4/3/2012					<0.0005	0.0008	<0.0005	
4/4/2012				<0.0005				<0.0005
4/9/2012		<0.0005	<0.0005					
4/10/2012	<0.0005							
9/18/2012					<0.0005	0.002		
9/19/2012			<0.0005				<0.0005	<0.0005
9/24/2012				<0.0005				
9/25/2012		<0.0005						
9/26/2012	<0.0005							
3/12/2013				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/13/2013	<0.0005	<0.0005	<0.0005					
9/9/2013					<0.0005			
9/10/2013			<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
9/11/2013	<0.0005	<0.0005						
3/5/2014				<0.0005	<0.0005	0.00037 (J)	<0.0005	<0.0005
3/11/2014	<0.0005	<0.0005	<0.0005					
9/3/2014			<0.0005					<0.0005
9/8/2014					<0.0005	0.00055 (J)		
9/9/2014	<0.0005	<0.0005		<0.0005			<0.0005	



# Time Series

Constituent: Boron (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	<0.1	0.04 (J)	0.0828 (J)	0.135	0.0815 (J)				
3/23/2016						0.0354 (J)			<0.1
3/24/2016							0.122	0.173	
5/17/2016	<0.1	0.0358 (J)	0.0844 (J)	0.132	0.0838 (J)	0.0349 (J)			
5/18/2016							0.139	0.186	0.0229 (J)
7/5/2016	0.0419 (J)		0.0962 (J)	0.161					
7/6/2016		0.0373 (J)			0.111	0.0308 (J)		0.184	
7/7/2016							0.12		0.0169 (J)
9/7/2016	0.0174 (J)	0.0352 (J)	0.0884 (J)	0.163	0.107	0.0283 (J)			
9/8/2016							0.126	0.173	0.0178 (J)
10/18/2016	0.0192 (J)	0.0332 (J)	0.0889 (J)	0.154	0.118	0.0292 (J)		0.171	
10/19/2016							0.133		0.018 (J)
12/6/2016	0.0182 (J)	0.033 (J)		0.142	0.106	0.0287 (J)			
12/7/2016			0.0954					0.203	0.0248 (J)
12/8/2016							0.119		
1/31/2017	0.0193 (J)		0.0939						
2/1/2017		0.0365 (J)		0.143	0.0949				
2/2/2017						0.0334 (J)	0.132	0.187	
2/3/2017									0.0171 (J)
3/23/2017	0.0192 (J)		0.0869	0.15					
3/24/2017		0.0343 (J)			0.0887				
3/27/2017						0.0396 (J)	0.134	0.182	0.0181 (J)
10/4/2017	0.0199 (J)		0.0914	0.182	0.105				
10/5/2017		0.0325 (J)				0.0294 (J)	0.125	0.166	0.0178 (J)
3/14/2018	0.019 (J)		0.075						
3/15/2018		0.037 (J)		0.14	0.043	0.038 (J)		0.17	
3/16/2018							0.12		0.016 (J)
10/4/2018	0.021 (J)	0.035 (J)	0.082	0.16	0.1	0.038 (J)		0.17	
10/5/2018							0.15		0.017 (J)
4/5/2019				0.12					
4/8/2019	0.019 (J)	0.034 (J)	0.071 (J)		0.057 (J)				
4/9/2019						0.035 (J)	0.12	0.17	0.011 (J)
9/30/2019	0.025 (J)	0.039 (J)	0.084	0.17	0.11				
10/1/2019						0.031 (J)	0.14	0.17	0.019 (J)
3/26/2020	0.022 (J)	0.041 (J)	0.092 (J)	0.14	0.086 (J)				
3/27/2020						0.04 (J)			
3/30/2020							0.13		
3/31/2020								0.18	0.024 (J)
9/21/2020			0.086 (J)						
9/22/2020		0.038 (J)							
9/23/2020	0.047 (J)			0.15	0.087 (J)				0.018 (J)
9/24/2020							0.13		
9/25/2020						0.036 (J)			
9/28/2020								0.17	
3/8/2021	0.021 (J)	0.042		0.13	0.089				
3/9/2021			0.081			0.037 (J)	0.13		
3/10/2021								0.16	0.018 (J)



# Time Series

Constituent: Boron (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		0.0649 (J)	<0.1	0.0509 (J)	0.0379 (J)	0.0574 (J)	0.0213 (J)	<0.1
3/24/2016	0.0232 (J)							
5/17/2016				0.0565 (J)	0.0395 (J)			
5/18/2016	0.0289 (J)	0.0781 (J)				0.0686 (J)	0.028 (J)	0.0202 (J)
5/19/2016			0.0212 (J)					
7/6/2016				0.0628 (J)	0.0393 (J)	0.0675 (J)	0.0231 (J)	0.0171 (J)
7/7/2016	0.0313 (J)	0.0621 (J)	0.0183 (J)					
9/7/2016				0.0648 (J)	0.04 (J)	0.0582 (J)		
9/8/2016	0.0593 (J)	0.0607 (J)	0.017 (J)				0.0234 (J)	0.0157 (J)
10/18/2016				0.0666 (J)	0.0366 (J)	0.0577 (J)	0.0228 (J)	
10/19/2016	0.087 (J)	0.0733 (J)	0.0203 (J)					0.0152 (J)
12/7/2016	0.127	0.0758	0.0215 (J)					
12/8/2016				0.062	0.0397 (J)	0.0572	0.0251 (J)	0.0178 (J)
2/1/2017				0.0516	0.0381 (J)			
2/2/2017	0.0318 (J)	0.0729				0.0534	0.0238 (J)	0.0151 (J)
2/3/2017			0.0812					
3/23/2017				0.0597	0.0416			
3/24/2017						0.0532	0.0234 (J)	
3/27/2017	0.0225 (J)	0.0698	0.125					0.0203 (J)
10/4/2017				0.0658	0.0382 (J)	0.0563		
10/5/2017	0.0304 (J)	0.0677	0.0375 (J)				0.0329 (J)	0.0157 (J)
3/14/2018							0.024 (J)	
3/15/2018	0.025 (J)	0.07	0.051			0.053		0.013 (J)
3/16/2018				0.047	0.044			
5/16/2018					0.042			
10/4/2018	0.029 (J)	0.065		0.066	0.038 (J)	0.048	0.047 (J)	
10/5/2018			0.039 (J)					0.017 (J)
4/8/2019			0.022 (J)		0.036 (J)	0.049 (J)	0.055 (J)	0.015 (J)
4/9/2019	0.014 (J)	0.063		0.048				
10/1/2019	0.059	0.066	0.024 (J)	0.071	0.042	0.05	0.046	0.018 (J)
3/26/2020			0.042 (J)					
3/27/2020							0.056 (J)	0.018 (J)
3/30/2020						0.049 (J)		
3/31/2020	0.022 (J)	0.067 (J)		0.057 (J)	0.091 (J)			
6/18/2020					0.045 (JR)			
6/19/2020							0.086 (JR)	
9/23/2020		0.061 (J)	0.024 (J)					
9/24/2020	0.061 (J)					0.045 (J)	0.055 (J)	0.016 (J)
9/25/2020				0.08 (J)	0.047 (J)			
3/9/2021	0.03 (J)	0.065	0.044	0.046	0.038 (J)	0.041	0.05	0.014 (J)

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.0005		<0.0005	<0.0005	<0.0005			<0.0005	
3/7/2007		<0.0005				<0.0005	<0.0005		<0.0005
5/8/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
5/9/2007							<0.0005	<0.0005	<0.0005
7/7/2007	<0.0005		<0.0005						
7/17/2007		<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/28/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8/29/2007									<0.0005
11/6/2007	<0.0005		<0.0005	<0.0005	<0.0005				
11/7/2007		<0.0005				<0.0005	<0.0005	<0.0005	<0.0005
5/7/2008							<0.0005	<0.0005	<0.0005
5/8/2008				<0.0005	<0.0005				
5/9/2008	<0.0005	<0.0005	<0.0005			<0.0005			
12/2/2008		<0.0005				<0.0005			
12/3/2008	<0.0005		<0.0005	<0.0005	<0.0005		<0.0005		
12/4/2008								<0.0005	
12/5/2008									<0.0005
4/7/2009	<0.0005		<0.0005	<0.0005	<0.0005				
4/8/2009		<0.0005				<0.0005			
4/14/2009							<0.0005	<0.0005	<0.0005
9/30/2009									<0.0005
10/1/2009	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005		
10/2/2009				<0.0005	<0.0005			<0.0005	
4/13/2010			<0.0005				<0.0005	<0.0005	<0.0005
4/14/2010	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
10/7/2010			<0.0005						
10/12/2010							<0.0005	<0.0005	<0.0005
10/13/2010	<0.0005	<0.0005				<0.0005			
10/14/2010				<0.0005	<0.0005				
4/5/2011				<0.0005	<0.0005				
4/6/2011	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	
10/4/2011		<0.0005				<0.0005			
10/6/2011			<0.0005						
10/10/2011	<0.0005								
10/12/2011				<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
4/3/2012	<0.0005		<0.0005						
4/4/2012				<0.0005	<0.0005				
4/5/2012							<0.0005	<0.0005	
4/9/2012									<0.0005
4/10/2012		<0.0005				<0.0005			
9/19/2012			<0.0005				<0.0005		
9/24/2012	<0.0005				<0.0005				
9/25/2012								<0.0005	<0.0005
9/26/2012		<0.0005		<0.0005		<0.0005			
3/12/2013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
3/13/2013							<0.0005	<0.0005	<0.0005
9/9/2013			<0.0005						
9/10/2013		<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		
9/11/2013	<0.0005							<0.0005	<0.0005
3/4/2014	<0.0005	<0.0005	<0.0005			<0.0005			
3/10/2014							<0.0005	<0.0005	<0.0005
3/11/2014				<0.0005	<0.0005				

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005		
9/8/2014				<0.0005	<0.0005				
9/9/2014								<0.0005	<0.0005
4/21/2015	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
4/22/2015			<0.0005				<0.0005	<0.0005	
4/23/2015									<0.0005
9/29/2015		<0.0005		<0.0005	<0.0005				
9/30/2015	<0.0005		<0.0005			<0.0005	<0.0005	<0.0005	<0.0005
3/22/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
3/23/2016						<0.0005			<0.0005
3/24/2016							<0.0005	<0.0005	
5/17/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
5/18/2016							<0.0005	<0.0005	<0.0005
7/5/2016	<0.0005		<0.0005	<0.0005					
7/6/2016		<0.0005			<0.0005	<0.0005		<0.0005	
7/7/2016							<0.0005		<0.0005
9/7/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/8/2016							<0.0005	<0.0005	<0.0005
10/18/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
10/19/2016							<0.0005		<0.0005
12/6/2016	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
12/7/2016			<0.0005					<0.0005	<0.0005
12/8/2016							<0.0005		
1/31/2017	<0.0005		<0.0005						
2/1/2017		<0.0005		<0.0005	0.0001 (J)				
2/2/2017						9E-05 (J)	8E-05 (J)	<0.0005	
2/3/2017									<0.0005
3/23/2017	<0.0005		<0.0005	<0.0005					
3/24/2017		<0.0005			<0.0005				
3/27/2017						<0.0005	<0.0005	<0.0005	<0.0005
10/4/2017	<0.0005		<0.0005	<0.0005	<0.0005				
10/5/2017		<0.0005				<0.0005	<0.0005	<0.0005	<0.0005
3/14/2018	<0.0005		<0.0005						
3/15/2018		<0.0005		<0.0005	<0.0005	<0.0005		<0.0005	
3/16/2018							<0.0005		<0.0005
10/4/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
10/5/2018							<0.0005		0.00011 (J)
4/5/2019				<0.0005					
4/8/2019	<0.0005	<0.0005	<0.0005		<0.0005				
4/9/2019						<0.0005	<0.0005	<0.0005	<0.0005
9/30/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
10/1/2019						<0.0005	<0.0005	<0.0005	<0.0005
3/26/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
3/27/2020						<0.0005			
3/30/2020							<0.0005		
3/31/2020								<0.0005	<0.0005
9/21/2020			<0.0005						
9/22/2020		<0.0005							
9/23/2020	<0.0005			<0.0005	<0.0005				<0.0005
9/24/2020							<0.0005		
9/25/2020						<0.0005			
9/28/2020								<0.0005	

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.0005	<0.0005		<0.0005	<0.0005				
3/9/2021			<0.0005			<0.0005	<0.0005		
3/10/2021								<0.0005	<0.0005

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.0005	<0.0005	<0.0005					
3/7/2007				0.0015	<0.0005			<0.0005
5/8/2007				<0.0005				<0.0005
5/9/2007	<0.0005	<0.0005	<0.0005		<0.0005	0.023 (o)	<0.0005	
7/6/2007				<0.0005		0.0081 (o)	<0.0005	<0.0005
7/17/2007	<0.0005	<0.0005	<0.0005		<0.0005			
8/28/2007				<0.0005	<0.0005	0.0035	<0.0005	<0.0005
8/29/2007	<0.0005	<0.0005	<0.0005					
11/6/2007				<0.0005	<0.0005	0.0028	<0.0005	<0.0005
11/7/2007	<0.0005	<0.0005	<0.0005					
5/7/2008	<0.0005	<0.0005	<0.0005					
5/8/2008				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
12/2/2008						<0.0005	<0.0005	<0.0005
12/3/2008				<0.0005	<0.0005			
12/5/2008	<0.0005	<0.0005	<0.0005					
4/7/2009				<0.0005	<0.0005			
4/8/2009						0.0013	<0.0005	<0.0005
4/14/2009		<0.0005	<0.0005					
4/27/2009	<0.0005							
9/30/2009	<0.0005	<0.0005					<0.0005	<0.0005
10/1/2009			<0.0005	<0.0005	<0.0005	<0.0005		
4/13/2010	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	<0.0005
4/14/2010			<0.0005	<0.0005				
10/6/2010					<0.0005			
10/7/2010						<0.0005		
10/12/2010	<0.0005	<0.0005						
10/13/2010			<0.0005				<0.0005	<0.0005
10/14/2010				<0.0005				
4/5/2011				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4/6/2011		<0.0005	<0.0005					
10/4/2011					<0.0005	<0.0005	<0.0005	<0.0005
10/5/2011	<0.0005	<0.0005						
10/12/2011			<0.0005	<0.0005				
4/3/2012					<0.0005	<0.0005	<0.0005	
4/4/2012				<0.0005				<0.0005
4/9/2012		<0.0005	<0.0005					
4/10/2012	<0.0005							
9/18/2012					<0.0005	<0.0005		
9/19/2012			<0.0005				<0.0005	<0.0005
9/24/2012				<0.0005				
9/25/2012		<0.0005						
9/26/2012	<0.0005							
3/12/2013				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/13/2013	<0.0005	<0.0005	<0.0005					
9/9/2013					<0.0005			
9/10/2013			<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
9/11/2013	<0.0005	<0.0005						
3/5/2014				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/11/2014	<0.0005	<0.0005	<0.0005					
9/3/2014			<0.0005					<0.0005
9/8/2014					<0.0005	<0.0005		
9/9/2014	<0.0005	<0.0005		<0.0005			<0.0005	



# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	13.9	23.8	47.4	79.3	123				
3/23/2016						43.9			56.3
3/24/2016							40.7	43.9	
5/17/2016	15.6	21.5	45.5	75.8	99.2	40.1			
5/18/2016							41.9	48.2	59
7/5/2016	15.7		40.5	65.3					
7/6/2016		20.6			109	32.3		45.8	
7/7/2016							36.8		50.9
9/7/2016	18.2	16.7	37.3	59.8	67.2	28.9			
9/8/2016							35.9	40.9	48
10/18/2016	17.7	20.3	46.6	72.4	77.9	35.4		45.5	
10/19/2016							38.7		49.7
12/6/2016	16.9	19.7		78.6	93.3	34.3			
12/7/2016			43.5					40.6	46.4
12/8/2016							39.4		
1/31/2017	17.9		39.2						
2/1/2017		18.1		85	92.8				
2/2/2017						38.1	41.5	42.4	
2/3/2017									49
3/23/2017	13.9		38.7	81.2					
3/24/2017		21.1			96.3				
3/27/2017						45.4	39.1	45.5	50.7
10/4/2017	15.9		36.5	78.8	75.1				
10/5/2017		20.1				35.8	41.6	42.9	52
3/14/2018	<25		39.5						
3/15/2018		<25		83.5	69.9	52.4		43.3	
3/16/2018							45.9		53.4
5/15/2018						48.4			
5/16/2018							40		
10/4/2018	15.9 (J)	21.3 (J)	41.7	75.2	77.8	51.2		43.7	
10/5/2018							39.6		52.7
12/11/2018						49.3			
4/5/2019				76.5					
4/8/2019	15.7	22.4	44.1		86.6				
4/9/2019						48.8	41.4	45.8	57.1
9/30/2019	17.6	19.6	44.6	74.7	78.3				
10/1/2019						36.8	38.7	42.3	59.1
3/26/2020	14	22.4	43.2	78.7	87.4				
3/27/2020						22.9			
3/30/2020							45.7		
3/31/2020								52.3	63.6
6/19/2020								41.3 (R)	61.4 (R)
9/21/2020			45.8						
9/22/2020		19.5							
9/23/2020	17.6			76.2	74.9				55.8
9/24/2020							36.9		
9/25/2020						39.4			
9/28/2020								44.7	
3/8/2021	16.2 (M1)	22		73.5	87.2				
3/9/2021			48.7			48.7	44.9		
3/10/2021								47.4	64.9

# Time Series

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		49.9	36.4	79	64.1	45.2	69.1	36
3/24/2016	31.4							
5/17/2016				74.6	62.8			
5/18/2016	39.2	50.7				46.5	63.7	37.3
5/19/2016			41.5					
7/6/2016				66.9	59.5	29.1	56.8	32.8
7/7/2016	36	45.5	33.5					
9/7/2016				61.6	53.7	19.2		
9/8/2016	70	46.8	34.7				51.3	32.1
10/18/2016				71.6	62.3	22.6	52.6	
10/19/2016	63	47.3	33.4					35
12/7/2016	54.7	45.3	35.5					
12/8/2016				67.6	58.8	17.5	43.7	33.4
2/1/2017				82.5	59.6			
2/2/2017	37.4	49.9				54.4	56.5	34.3
2/3/2017			31.7					
3/23/2017				84.4	62.9			
3/24/2017						56.8	64.4	
3/27/2017	20.9	45.8	32					34.9
10/4/2017				70.8	62.4	30.5		
10/5/2017	26.8	47.3	41				59.9	34.7
3/14/2018							58.8	
3/15/2018	62.8	46.8	39.8			43.4		35.3
3/16/2018				78.1	66.9			
10/4/2018	48.6	50.4		73	65.5	26.1	264 (o)	
10/5/2018			39.3					37.8
12/11/2018							64.3	
4/8/2019			39.8		67	56.1	81.5	36.3
4/9/2019	35.4	47.3		73.9				
6/18/2019							83.7	
6/27/2019							75.9	
10/1/2019	82.8	46.9	39.1	70.6	64.2	28.5	64	37.2
11/6/2019	74.9							
11/26/2019	45.8							
3/26/2020			44.7					
3/27/2020							87.3	34.3
3/30/2020						47.8		
3/31/2020	25.6	51.5		84.2	70.6			
9/23/2020		45.9	39.2					
9/24/2020	73.4					39.5	81.4	35.9
9/25/2020				77.1	71.3			
3/9/2021	67.8	48.7	54.3	85.4	70.8	64.3	83.2	36.8



# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	1.1933	1.3137	2.0975	4.0352	5.549				
3/23/2016						1.3507			1.4238
3/24/2016							1.1313	1.6497	
5/17/2016	1.14	1.29	2.1	3.81	6.74	1.28			
5/18/2016								1.74	1.57
5/19/2016							1.13		
7/5/2016	1.4		2.4	4					
7/6/2016		1.6			5.2	1.5		2.1	
7/7/2016							1.5		1.7
9/7/2016	1	1.5	2.5	4.2	7.2	1.5			
9/8/2016							1.4	1.9	1.5
10/18/2016	1.1	1.6	2.7	4.4	7.4	1.4		2.1	
10/19/2016							1.4		1.7
12/6/2016	1	1.2		4.6	7.6	1.3			
12/7/2016			2.6					2	1.8
12/8/2016							1.4		
1/31/2017	1.2		2.5						
2/1/2017		2.1		3.7	8.5				
2/2/2017						1.8	1.6	2.3	
2/3/2017									2
3/23/2017	1.1		2	3.5					
3/24/2017		1.3			7				
3/27/2017						1.7	1.5	2.1	1.8
10/4/2017	1.1		2.2	3.6	7.4				
10/5/2017		1.3				1.5	1.4	1.9	5.5 (o)
12/14/2017									1.5
3/14/2018	1.2		2.4						
3/15/2018		1.6		3.8	1.7	2		1.9	
3/16/2018							1.5		1.9
5/15/2018						1.4			
10/4/2018	1.4	1.8	2.5	3.4	6.1	2.1		2	
10/5/2018							1.5		2.2
12/11/2018						1.9			1.8
4/5/2019				4.2					
4/8/2019	1.1	1.3	2.6		3.6				
4/9/2019						1.9	1.6	1.9	1.8
9/30/2019	1.4	1.5	3	4.1	7.5				
10/1/2019						1.5	0.94 (J)	1.3	1.1
3/26/2020	1.1	1.4	2	2.6	5.4				
3/27/2020						1.2			
3/30/2020							1		
3/31/2020								1.3	1.1
9/21/2020			2.1						
9/22/2020		1							
9/23/2020	1.6			2.8	4.2				1.1
9/24/2020							0.94 (J)		
9/25/2020						1.1			
9/28/2020								1.3	
3/8/2021	1.1	1.3		2.8	5.6				
3/9/2021			2.1			1.1	0.97 (J)		
3/10/2021								1.3	1.2

# Time Series

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		1.2595	1.5409	2.5045	1.7709	1.1569	1.4936	0.9561
3/24/2016	2.461							
5/17/2016				2.47	1.75			
5/18/2016	2.61	1.25				1.35		
5/19/2016			1.23				1.35	0.972
7/6/2016				2.9	2	1.9	1.6	1.3
7/7/2016	2.8	1.7	1.7					
9/7/2016				2.8	2	1.7		
9/8/2016	2.3	1.5	1.6				1.4	1
10/18/2016				2.8	2	1.8	1.4	
10/19/2016	2.4	1.6	1.6					1.1
12/7/2016	2.2	1.5	1.7					
12/8/2016				3.1	2	1.6	1.5	1.3
2/1/2017				3.8	2.2			
2/2/2017	3.4	1.8				2	1.7	1.6
2/3/2017			1.9					
3/23/2017				3.4	2			
3/24/2017						1.3	2.1	
3/27/2017	2.7	1.5	1.7					1.4
10/4/2017				3.7	1.7	1.7		
10/5/2017	3.3	1.6	1.4				2	1.1
3/14/2018							2.1	
3/15/2018	3.6	1.7	1.6			1.9		1.3
3/16/2018				3.2	2.1			
5/15/2018	3.2							
10/4/2018	2.4	1.7		3.2	2.2	2	2.3	
10/5/2018			1.6					1.6
12/11/2018							2.3	
1/11/2019							2.8	
4/8/2019			1.5		2.1	1.9	3.2	1
4/9/2019	2.6	1.7		3.3				
10/1/2019	2	1.4	1.1	2.2	1.6	1.2	1.8	0.91 (J)
3/26/2020			0.63 (J)					
3/27/2020							2.5	0.74 (J)
3/30/2020						9.2		
3/31/2020	1.5	1		2	1.5			
6/19/2020						1.4 (R)		
9/23/2020		1.1	1.1					
9/24/2020	1.8					1.4	2.2	0.82 (J)
9/25/2020				2.3	1.6			
3/9/2021	1.8	1	0.85 (J)	2	1.5	1.5	2.2	0.74 (J)

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	0.0013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									0.0016
11/6/2007	<0.005		<0.005	0.0014	<0.005				
11/7/2007		0.0024				<0.005	<0.005	<0.005	0.0016
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				<0.005				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	0.00032 (J)	<0.005	<0.005			<0.005			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				<0.005	<0.005				

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	<0.005	<0.005			<0.005	<0.005		
9/8/2014				<0.005	<0.005				
9/9/2014								<0.005	<0.005
4/21/2015	<0.005	<0.005		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		<0.005		<0.005	<0.005				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
5/17/2016	<0.005	<0.005	<0.005	<0.005	<0.005	0.00424 (J)			
5/18/2016							<0.005	<0.005	<0.005
7/5/2016	<0.005		<0.005	<0.005					
7/6/2016		<0.005			<0.005	<0.005		<0.005	
7/7/2016							<0.005		<0.005
9/7/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	<0.005	<0.005
10/18/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/19/2016							<0.005		0.0064 (J)
12/6/2016	<0.005	0.0018 (J)		<0.005	<0.005	0.0013 (J)			
12/7/2016			<0.005					<0.005	<0.005
12/8/2016							<0.005		
1/31/2017	<0.005		<0.005						
2/1/2017		<0.005		<0.005	<0.005				
2/2/2017						0.001 (J)	<0.005	<0.005	
2/3/2017									<0.005
3/23/2017	<0.005		<0.005	<0.005					
3/24/2017		<0.005			0.0004 (J)				
3/27/2017						<0.005	<0.005	<0.005	<0.005
10/4/2017	<0.005		<0.005	<0.005	<0.005				
10/5/2017		<0.005				<0.005	<0.005	0.0012 (J)	<0.005
3/14/2018	0.016		<0.005						
3/15/2018		<0.005		<0.005	<0.005	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				<0.005					
4/8/2019	<0.005	<0.005	<0.005		<0.005				
4/9/2019						<0.005	<0.005	<0.005	<0.005
9/30/2019	<0.005	<0.005	<0.005	<0.005	<0.005				
10/1/2019						<0.005	0.00086 (J)	<0.005	<0.005
3/26/2020	<0.005	<0.005	0.00043 (J)	0.00062 (J)	0.0013 (J)				
3/27/2020						<0.005			
3/30/2020							0.00071 (J)		
3/31/2020								0.00042 (J)	<0.005
9/21/2020			<0.005						
9/22/2020		<0.005							
9/23/2020	<0.005			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								0.00063 (J)	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.005	<0.005		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005

# Time Series

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				0.0013
5/9/2007	<0.005	0.002	0.0013		<0.005	0.11 (o)	<0.005	
7/6/2007				<0.005		0.0029	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	0.0038	<0.005	0.0014
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	<0.005	0.0035	0.0024
11/7/2007	<0.005	0.0013	<0.005					
5/7/2008	<0.005	<0.005	<0.005					
5/8/2008				<0.005	<0.005	<0.005	<0.005	<0.005
12/2/2008						<0.005	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						<0.005	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	<0.005							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	0.0016		
4/13/2010	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						<0.005		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	<0.005	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	0.0018	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	<0.005	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	<0.005		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	<0.005							
3/12/2013				<0.005	<0.005	<0.005	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		<0.005	0.0017	<0.005
9/11/2013	<0.005	<0.005						
3/5/2014				<0.005	<0.005	<0.005	<0.005	<0.005
3/11/2014	<0.005	<0.005	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	<0.005		
9/9/2014	0.0015	<0.005		<0.005			<0.005	



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		<0.005				<0.005	<0.005	<0.005	<0.005
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				0.0016				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	0.002	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	0.00043 (J)	0.00047 (J)	<0.005			<0.005			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				<0.005	<0.005				



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	0.00076 (J)	0.00065 (J)	<0.005			<0.005	<0.005		
9/8/2014				<0.005	0.001 (J)				
9/9/2014								<0.005	<0.005
4/21/2015	0.00051 (J)	0.00062 (J)		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		0.0009 (J)		<0.005	0.0025 (J)				
9/30/2015	0.0006 (J)		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
5/17/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/18/2016							<0.005	<0.005	<0.005
7/5/2016	0.0004 (J)		<0.005	0.0003 (J)					
7/6/2016		0.0009 (J)			0.0004 (J)	<0.005		<0.005	
7/7/2016							<0.005		<0.005
9/7/2016	<0.005	0.0011 (J)	<0.005	<0.005	0.0008 (J)	<0.005			
9/8/2016							<0.005	<0.005	<0.005
10/18/2016	<0.005	0.0011 (J)	<0.005	<0.005	<0.005	<0.005		<0.005	
10/19/2016							<0.005		<0.005
12/6/2016	0.0006 (J)	0.0011 (J)		0.0007 (J)	0.0026 (J)	<0.005			
12/7/2016			<0.005					<0.005	<0.005
12/8/2016							<0.005		
1/31/2017	0.0006 (J)		<0.005						
2/1/2017		0.0011 (J)		<0.005	0.0013 (J)				
2/2/2017						<0.005	<0.005	<0.005	
2/3/2017									<0.005
3/23/2017	0.0007 (J)		<0.005	<0.005					
3/24/2017		0.0008 (J)			0.0014 (J)				
3/27/2017						<0.005	<0.005	<0.005	<0.005
10/4/2017	0.0006 (J)		<0.005	<0.005	0.0012 (J)				
10/5/2017		0.0008 (J)				<0.005	<0.005	<0.005	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		<0.005		<0.005	<0.005	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	0.00058 (J)	0.00072 (J)	<0.005	<0.005	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				0.00031 (J)					
4/8/2019	0.00026 (J)	0.00076 (J)	6.1E-05 (J)		0.00044 (J)				
4/9/2019						<0.005	<0.005	<0.005	<0.005
9/30/2019	0.00042 (J)	0.00054 (J)	<0.005	<0.005	0.00079 (J)				
10/1/2019						<0.005	<0.005	<0.005	<0.005
3/26/2020	0.00049 (J)	0.00063 (J)	<0.005	<0.005	0.00082 (J)				
3/27/2020						0.00082 (J)			
3/30/2020							<0.005		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		0.00049 (J)							
9/23/2020	0.00051 (J)			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								<0.005	

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	0.0005 (J)	0.00049 (J)		<0.005	0.00061 (J)				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	6.5 (o)	<0.005	
7/6/2007				<0.005		2.1 (o)	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	1.4 (o)	<0.005	<0.005
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	1.1 (o)	<0.005	<0.005
11/7/2007	<0.005	<0.005	<0.005					
5/7/2008	<0.005	<0.005	<0.005					
5/8/2008				<0.005	<0.005	0.75	<0.005	<0.005
12/2/2008						0.41	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						0.38	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	<0.005							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	0.29		
4/13/2010	<0.005	<0.005			<0.005	0.26	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						0.24		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	0.17	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	0.19	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	0.114	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	0.14		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	0.0033							
3/12/2013				<0.005	<0.005	0.041	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		0.06	<0.005	<0.005
9/11/2013	0.0018	<0.005						
3/5/2014				<0.005	<0.005	0.049	<0.005	<0.005
3/11/2014	0.00029 (J)	<0.005	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	0.068		
9/9/2014	0.0011 (J)	<0.005		<0.005			<0.005	

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				<0.005		0.043		<0.005
4/22/2015					<0.005		<0.005	
4/23/2015		<0.005	<0.005					
9/29/2015				<0.005	<0.005	0.0525	<0.005	<0.005
9/30/2015	<0.005	<0.005	<0.005					
3/23/2016		<0.005	<0.005	<0.005	<0.005	0.0172	<0.005	<0.005
3/24/2016	<0.005							
5/17/2016				<0.005	<0.005			
5/18/2016	<0.005	<0.005				0.021	<0.005	<0.005
5/19/2016			<0.005					
7/6/2016				<0.005	<0.005	0.0278	<0.005	0.0004 (J)
7/7/2016	0.0016 (J)	<0.005	<0.005					
9/7/2016				<0.005	<0.005	0.0334		
9/8/2016	0.0006 (J)	<0.005	<0.005				<0.005	<0.005
10/18/2016				<0.005	<0.005	0.0368	<0.005	
10/19/2016	0.0006 (J)	<0.005	<0.005					<0.005
12/7/2016	0.0006 (J)	<0.005	<0.005					
12/8/2016				<0.005	<0.005	0.0419	<0.005	<0.005
2/1/2017				<0.005	<0.005			
2/2/2017	<0.005	<0.005				0.0113	<0.005	<0.005
2/3/2017			<0.005					
3/23/2017				0.0007 (J)	<0.005			
3/24/2017						0.0094 (J)	<0.005	
3/27/2017	0.001 (J)	<0.005	<0.005					<0.005
10/4/2017				<0.005	<0.005	0.0237		
10/5/2017	0.0051 (J)	<0.005	<0.005				0.0003 (J)	0.0004 (J)
3/14/2018							<0.005	
3/15/2018	<0.005	<0.005	<0.005			0.014		<0.005
3/16/2018				<0.005	<0.005			
10/4/2018	0.0065 (J)	<0.005		<0.005	<0.005	0.024	<0.005	
10/5/2018			0.00058 (J)					<0.005
4/8/2019			0.00046 (J)		0.00022 (J)	0.0086 (J)	0.0017 (J)	0.00041 (J)
4/9/2019	0.0023 (J)	<0.005		<0.005				
10/1/2019	0.00046 (J)	<0.005	0.00033 (J)	<0.005	<0.005	0.017	0.00081 (J)	0.00041 (J)
3/26/2020			0.00035 (J)					
3/27/2020							0.0016 (J)	0.00063 (J)
3/30/2020						0.012		
3/31/2020	0.0019 (J)	<0.005		<0.005	<0.005			
9/23/2020		<0.005	<0.005					
9/24/2020	0.00068 (J)					0.01	0.0011 (J)	<0.005
9/25/2020				0.00057 (J)	<0.005			
3/9/2021	0.00049 (J)	<0.005	<0.005	0.00043 (J)	<0.005	0.0093	0.0013 (J)	0.00042 (J)

# Time Series

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				0.0025	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		0.0028	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	0.0032	0.0032	0.0039	0.0061	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		0.0036				<0.005	0.0029	0.0035	0.0028
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	0.0066				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005							
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				<0.005				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	<0.005	<0.005	<0.005			<0.005			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				<0.005	<0.005				

# Time Series

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	<0.005	0.0011 (J)			<0.005	0.00099 (J)		
9/8/2014				<0.005	<0.005				
9/9/2014								<0.005	<0.005
4/21/2015	<0.005	<0.005		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		<0.005		<0.005	<0.005				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
9/7/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	<0.005	<0.005
3/23/2017	<0.005		<0.005	<0.005					
3/24/2017		<0.005			<0.005				
3/27/2017						<0.005	<0.005	0.0004 (J)	<0.005
10/4/2017	<0.005		<0.005	<0.005	<0.005				
10/5/2017		<0.005				<0.005	<0.005	0.0005 (J)	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		<0.005		<0.005	<0.005	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				<0.005					
4/8/2019	<0.005	0.0013 (J)	0.00029 (J)		<0.005				
4/9/2019						<0.005	<0.005	0.0014 (J)	<0.005
9/30/2019	<0.005	<0.005	<0.005	<0.005	<0.005				
10/1/2019						<0.005	0.00037 (J)	0.00019 (J)	0.00023 (J)
3/26/2020	<0.005	<0.005	<0.005	0.00022 (J)	<0.005				
3/27/2020						0.00022 (J)			
3/30/2020							<0.005		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		<0.005							
9/23/2020	<0.005			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								<0.005	
3/8/2021	<0.005	<0.005		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005

# Time Series

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				0.0027	<0.005			0.0043
5/8/2007				0.0026				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	0.44 (o)	<0.005	
7/6/2007				<0.005		0.016	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				0.0036	<0.005	0.0091	<0.005	<0.005
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	<0.005	<0.005	<0.005
11/7/2007	0.0029	0.0033	0.0084					
5/7/2008	0.0026	<0.005	<0.005					
5/8/2008				<0.005	<0.005	<0.005	<0.005	<0.005
12/2/2008						0.003	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						<0.005	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	<0.005							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	<0.005		
4/13/2010	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						<0.005		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	<0.005	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	<0.005	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	<0.005	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	<0.005		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	<0.005							
3/12/2013				<0.005	<0.005	<0.005	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		<0.005	<0.005	<0.005
9/11/2013	<0.005	<0.005						
3/5/2014				<0.005	<0.005	<0.005	<0.005	<0.005
3/11/2014	<0.005	<0.005	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	<0.005		
9/9/2014	0.0013 (J)	<0.005		<0.005			<0.005	





# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	0.119 (J)	0.0811 (J)	0.1252 (J)	0.1415 (J)	0.1754 (J)				
3/23/2016						0.1069 (J)			0.0905 (J)
3/24/2016							0.1459 (J)	0.1652 (J)	
5/17/2016	0.1049 (J)	0.0706 (J)	0.1091 (J)	0.1293 (J)	0.1385 (J)	0.0991 (J)			
5/18/2016								0.1459 (J)	0.0864 (J)
5/19/2016							0.1408 (J)		
7/5/2016	0.1 (J)		0.16 (J)	0.21 (J)					
7/6/2016		0.09 (J)			0.22 (J)	0.09 (J)		0.21 (J)	
7/7/2016							0.2 (J)		0.16 (J)
9/7/2016	0.13 (J)	0.04 (J)	0.18 (J)	0.21 (J)	0.2 (J)	0.13 (J)			
9/8/2016							0.14 (J)	0.15 (J)	0.08 (J)
10/18/2016	0.15 (J)	0.07 (J)	0.13 (J)	0.15 (J)	0.16 (J)	0.16 (J)		0.19 (J)	
10/19/2016							0.14 (J)		0.09 (J)
12/6/2016	0.11 (J)	0.13 (J)		0.19 (J)	0.29 (J)	0.12 (J)			
12/7/2016			0.13 (J)					0.24 (J)	0.11 (J)
12/8/2016							0.16 (J)		
1/31/2017	0.02 (J)		0.04 (J)						
2/1/2017		<0.3		0.35	0.48				
2/2/2017						0.07 (J)	0.17 (J)	0.1 (J)	
2/3/2017									0.06 (J)
3/23/2017	0.08 (J)		0.08 (J)	0.39					
3/24/2017		0.01 (J)			0.12 (J)				
3/27/2017						0.05 (J)	0.11 (J)	0.11 (J)	0.04 (J)
10/4/2017	0.07 (J)		0.11 (J)	0.49	0.2 (J)				
10/5/2017		<0.3				0.11 (J)	0.13 (J)	0.13 (J)	0.05 (J)
3/14/2018	<0.3		<0.3						
3/15/2018		<0.3		<0.3	0.4	<0.3		<0.3	
3/16/2018							<0.3		<0.3
10/4/2018	0.17 (J)	0.15 (J)	0.25 (J)	0.24 (J)	0.24 (J)	0.16 (J)		0.21 (J)	
10/5/2018							0.21 (J)		0.17 (J)
4/5/2019				0.31					
4/8/2019	0.057 (J)	0.035 (J)	0.072 (J)		0.12 (J)				
4/9/2019						0.067 (J)	0.1 (J)	0.1 (J)	0.056 (J)
9/30/2019	0.11 (J)	0.099 (J)	0.14 (J)	0.15 (J)	0.17 (J)				
10/1/2019						0.07 (J)	0.11 (J)	0.11 (J)	0.069 (J)
3/26/2020	0.082 (J)	0.057 (J)	0.12 (J)	0.09 (J)	0.089 (J)				
3/27/2020						<0.3			
3/30/2020							0.1 (J)		
3/31/2020								0.099 (J)	0.054 (J)
9/21/2020			0.12						
9/22/2020		0.061 (J)							
9/23/2020	0.089 (J)			0.11	0.13				0.065 (J)
9/24/2020							0.11		
9/25/2020						0.085 (J)			
9/28/2020								0.11	
3/8/2021	0.094 (J)	0.11		0.13	0.1				
3/9/2021			0.099 (J)			0.078 (J)	0.11		
3/10/2021								0.11	0.068 (J)

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		0.0886 (J)	0.1064 (J)	0.0582 (J)	0.0791 (J)	0.2004 (J)	0.1537 (J)	0.0993 (J)
3/24/2016	0.0445 (J)							
5/17/2016				0.0571 (J)	0.0712 (J)			
5/18/2016	0.0476 (J)	0.0839 (J)				0.1766 (J)		
5/19/2016			0.0928 (J)				0.1414 (J)	0.0936 (J)
7/6/2016				0.29 (J)	0.28 (J)	0.39	0.15 (J)	0.09 (J)
7/7/2016	0.12 (J)	0.08 (J)	0.13 (J)					
9/7/2016				0.08 (J)	0.08 (J)	0.53		
9/8/2016	0.11 (J)	0.11 (J)	0.12 (J)				0.35	0.11 (J)
10/18/2016				0.09 (J)	0.07 (J)	0.24 (J)	0.17 (J)	
10/19/2016	0.13 (J)	0.1 (J)	0.1 (J)					0.1 (J)
12/7/2016	0.23 (J)	0.09 (J)	0.1 (J)					
12/8/2016				0.06 (J)	0.13 (J)	0.24 (J)	0.15 (J)	0.11 (J)
2/1/2017				0.33	0.24 (J)			
2/2/2017	0.11 (J)	0.05 (J)				0.3 (J)	0.1 (J)	0.05 (J)
2/3/2017			0.12 (J)					
3/23/2017				0.07 (J)	0.04 (J)			
3/24/2017						0.22 (J)	0.14 (J)	
3/27/2017	0.01 (J)	0.08 (J)	0.14 (J)					0.07 (J)
10/4/2017				<0.3	0.03 (J)	0.19 (J)		
10/5/2017	<0.3	0.08 (J)	0.09 (J)				0.15 (J)	0.06 (J)
3/14/2018							0.4	
3/15/2018	<0.3	<0.3	<0.3			0.37		<0.3
3/16/2018				<0.3	<0.3			
5/16/2018							0.32	
10/4/2018	0.15 (J)	0.14 (J)		0.16 (J)	0.17 (J)	0.19 (J)	0.28 (J)	
10/5/2018			0.18 (J)					0.18 (J)
4/8/2019			0.057 (J)		<0.3	0.17 (J)	0.1 (J)	0.058 (J)
4/9/2019	0.063 (J)	0.063 (J)		0.061 (J)				
10/1/2019	0.094 (J)	0.079 (J)	0.079 (J)	0.064 (J)	0.063 (J)	0.16 (J)	0.13 (J)	0.078 (J)
3/26/2020			0.064 (J)					
3/27/2020							0.12 (J)	0.078 (J)
3/30/2020						0.16 (J)		
3/31/2020	<0.3	0.055 (J)		<0.3	0.053 (J)			
9/23/2020		0.073 (J)	0.088 (J)					
9/24/2020	0.1					0.14	0.15	0.076 (J)
9/25/2020				0.058 (J)	0.063 (J)			
3/9/2021	0.058 (J)	0.067 (J)	0.069 (J)	0.05 (J)	0.06 (J)	0.17	0.12	0.08 (J)

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.001		<0.001	<0.001	<0.001			<0.001	
3/7/2007		<0.001				<0.001	<0.001		<0.001
5/8/2007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
5/9/2007							<0.001	<0.001	<0.001
7/7/2007	<0.001		<0.001						
7/17/2007		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/28/2007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
8/29/2007									<0.001
11/6/2007	<0.001		<0.001	<0.001	<0.001				
11/7/2007		<0.001				<0.001	<0.001	<0.001	<0.001
5/7/2008							<0.001	<0.001	<0.001
5/8/2008				<0.001	<0.001				
5/9/2008	<0.001	<0.001	<0.001			<0.001			
12/2/2008		<0.001				<0.001			
12/3/2008	<0.001		<0.001	<0.001	<0.001		<0.001		
12/4/2008								<0.001	
12/5/2008									<0.001
4/7/2009	<0.001		<0.001	<0.001	<0.001				
4/8/2009		<0.001				<0.001			
4/14/2009							<0.001	<0.001	<0.001
9/30/2009									<0.001
10/1/2009	<0.001	<0.001	<0.001			<0.001	<0.001		
10/2/2009				<0.001	<0.001			<0.001	
4/13/2010			<0.001				<0.001	<0.001	<0.001
4/14/2010	<0.001	<0.001		<0.001	<0.001	<0.001			
10/7/2010			<0.001						
10/12/2010							<0.001	<0.001	<0.001
10/13/2010	<0.001	<0.001				<0.001			
10/14/2010				<0.001	<0.001				
4/5/2011				<0.001	<0.001				
4/6/2011	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	
10/4/2011		<0.001				<0.001			
10/6/2011			<0.001						
10/10/2011	<0.001								
10/12/2011				<0.001	<0.001		<0.001	<0.001	<0.001
4/3/2012	<0.001		<0.001						
4/4/2012				<0.001	<0.001				
4/5/2012							<0.001	<0.001	
4/9/2012									<0.001
4/10/2012		<0.001				<0.001			
9/19/2012			<0.001				<0.001		
9/24/2012	<0.001				<0.001				
9/25/2012								<0.001	<0.001
9/26/2012		<0.001		<0.001		<0.001			
3/12/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/13/2013							<0.001	<0.001	<0.001
9/9/2013			<0.001						
9/10/2013		<0.001		<0.001	<0.001	<0.001	<0.001		
9/11/2013	<0.001							<0.001	<0.001
3/4/2014	<0.001	<0.001	<0.001			<0.001			
3/10/2014							<0.001	<0.001	<0.001
3/11/2014				<0.001	<0.001				

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.001	<0.001	<0.001			<0.001	<0.001		
9/8/2014				<0.001	<0.001				
9/9/2014								<0.001	<0.001
4/21/2015	<0.001	<0.001		<0.001	<0.001	<0.001			
4/22/2015			<0.001				<0.001	<0.001	
4/23/2015									<0.001
9/29/2015		<0.001		<0.001	<0.001				
9/30/2015	<0.001		<0.001			<0.001	<0.001	<0.001	<0.001
3/22/2016	<0.001	<0.001	<0.001	<0.001	<0.001				
3/23/2016						<0.001			<0.001
3/24/2016							<0.001	<0.001	
5/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
5/18/2016							<0.001	<0.001	<0.001
7/5/2016	<0.001		<0.001	<0.001					
7/6/2016		<0.001			<0.001	<0.001		<0.001	
7/7/2016							<0.001		<0.001
9/7/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
9/8/2016							<0.001	<0.001	<0.001
10/18/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
10/19/2016							<0.001		<0.001
12/6/2016	<0.001	<0.001		<0.001	<0.001	<0.001			
12/7/2016			<0.001					<0.001	<0.001
12/8/2016							<0.001		
1/31/2017	<0.001		<0.001						
2/1/2017		<0.001		<0.001	<0.001				
2/2/2017						<0.001	<0.001	<0.001	
2/3/2017									<0.001
3/23/2017	<0.001		<0.001	<0.001					
3/24/2017		7E-05 (J)			<0.001				
3/27/2017						<0.001	<0.001	<0.001	7E-05 (J)
10/4/2017	<0.001		<0.001	<0.001	<0.001				
10/5/2017		<0.001				<0.001	<0.001	0.0002 (J)	<0.001
3/14/2018	<0.001		<0.001						
3/15/2018		<0.001		<0.001	<0.001	<0.001		<0.001	
3/16/2018							<0.001		<0.001
10/4/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
10/5/2018							<0.001		<0.001
4/5/2019				<0.001					
4/8/2019	<0.001	<0.001	<0.001		<0.001				
4/9/2019						<0.001	<0.001	<0.001	<0.001
9/30/2019	<0.001	<0.001	<0.001	<0.001	<0.001				
10/1/2019						<0.001	<0.001	<0.001	<0.001
3/26/2020	<0.001	<0.001	<0.001	4.7E-05 (J)	<0.001				
3/27/2020						5.4E-05 (J)			
3/30/2020							<0.001		
3/31/2020								6.1E-05 (J)	<0.001
9/21/2020			<0.001						
9/22/2020		<0.001							
9/23/2020	<0.001			<0.001	<0.001				<0.001
9/24/2020							4E-05 (J)		
9/25/2020						<0.001			
9/28/2020								0.00014 (J)	

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.001	<0.001		4E-05 (J)	<0.001				
3/9/2021			<0.001			<0.001	<0.001		
3/10/2021								<0.001	<0.001

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.001	<0.001	<0.001					
3/7/2007				<0.001	<0.001			<0.001
5/8/2007				<0.001				<0.001
5/9/2007	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
7/6/2007				<0.001		<0.001	<0.001	<0.001
7/17/2007	<0.001	<0.001	<0.001		<0.001			
8/28/2007				<0.001	<0.001	<0.001	<0.001	<0.001
8/29/2007	<0.001	<0.001	<0.001					
11/6/2007				<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2007	<0.001	<0.001	<0.001					
5/7/2008	<0.001	<0.001	<0.001					
5/8/2008				<0.001	<0.001	<0.001	<0.001	<0.001
12/2/2008						<0.001	<0.001	<0.001
12/3/2008				<0.001	<0.001			
12/5/2008	<0.001	<0.001	<0.001					
4/7/2009				<0.001	<0.001			
4/8/2009						<0.001	<0.001	<0.001
4/14/2009		<0.001	<0.001					
4/27/2009	<0.001							
9/30/2009	<0.001	<0.001					<0.001	<0.001
10/1/2009			<0.001	<0.001	<0.001	<0.001		
4/13/2010	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
4/14/2010			<0.001	<0.001				
10/6/2010					<0.001			
10/7/2010						<0.001		
10/12/2010	<0.001	<0.001						
10/13/2010			<0.001				<0.001	<0.001
10/14/2010				<0.001				
4/5/2011				<0.001	<0.001	<0.001	<0.001	<0.001
4/6/2011		<0.001	<0.001					
10/4/2011					<0.001	<0.001	<0.001	<0.001
10/5/2011	<0.001	<0.001						
10/12/2011			<0.001	<0.001				
4/3/2012					<0.001	<0.001	<0.001	
4/4/2012				<0.001				<0.001
4/9/2012		<0.001	<0.001					
4/10/2012	<0.001							
9/18/2012					<0.001	<0.001		
9/19/2012			<0.001				<0.001	<0.001
9/24/2012				<0.001				
9/25/2012		<0.001						
9/26/2012	<0.001							
3/12/2013				<0.001	<0.001	<0.001	<0.001	<0.001
3/13/2013	<0.001	<0.001	<0.001					
9/9/2013					<0.001			
9/10/2013			<0.001	<0.001		<0.001	<0.001	<0.001
9/11/2013	<0.001	<0.001						
3/5/2014				<0.001	<0.001	0.0016 (J)	<0.001	<0.001
3/11/2014	<0.001	<0.001	<0.001					
9/3/2014			<0.001					<0.001
9/8/2014					<0.001	<0.001		
9/9/2014	<0.001	<0.001		<0.001			<0.001	

# Time Series

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				<0.001		<0.001		<0.001
4/22/2015					<0.001		<0.001	
4/23/2015		<0.001	<0.001					
9/29/2015				<0.001	<0.001	<0.001	<0.001	<0.001
9/30/2015	<0.001	<0.001	<0.001					
3/23/2016		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/24/2016	<0.001							
5/17/2016				<0.001	<0.001			
5/18/2016	<0.001	<0.001				<0.001	<0.001	<0.001
5/19/2016			<0.001					
7/6/2016				<0.001	<0.001	0.0001 (J)	<0.001	<0.001
7/7/2016	<0.001	<0.001	<0.001					
9/7/2016				<0.001	<0.001	<0.001		
9/8/2016	<0.001	<0.001	<0.001				<0.001	<0.001
10/18/2016				<0.001	<0.001	<0.001	<0.001	
10/19/2016	<0.001	<0.001	<0.001					<0.001
12/7/2016	0.0001 (J)	<0.001	<0.001					
12/8/2016				<0.001	0.0001 (J)	<0.001	0.0002 (J)	<0.001
2/1/2017				<0.001	<0.001			
2/2/2017	<0.001	<0.001				0.0003 (J)	<0.001	<0.001
2/3/2017			<0.001					
3/23/2017				<0.001	<0.001			
3/24/2017						0.0002 (J)	<0.001	
3/27/2017	<0.001	<0.001	<0.001					<0.001
10/4/2017				<0.001	<0.001	7E-05 (J)		
10/5/2017	<0.001	<0.001	<0.001				<0.001	<0.001
3/14/2018							<0.001	
3/15/2018	<0.001	<0.001	<0.001			<0.001		<0.001
3/16/2018				<0.001	<0.001			
10/4/2018	<0.001	<0.001		<0.001	<0.001	<0.001	<0.001	
10/5/2018			0.00042 (J)					<0.001
4/8/2019			0.00018 (J)		<0.001	<0.001	<0.001	<0.001
4/9/2019	<0.001	<0.001		0.00039 (J)				
10/1/2019	7.5E-05 (J)	0.00012 (J)	0.00022 (J)	6.5E-05 (J)	<0.001	5E-05 (J)	<0.001	<0.001
3/26/2020			0.00016 (J)					
3/27/2020							<0.001	<0.001
3/30/2020						4.8E-05 (J)		
3/31/2020	<0.001	0.00013 (J)		<0.001	<0.001			
9/23/2020		6.6E-05 (J)	0.00036 (J)					
9/24/2020	0.00012 (J)					6E-05 (J)	4.9E-05 (J)	<0.001
9/25/2020				<0.001	<0.001			
3/9/2021	0.00013 (J)	3.8E-05 (J)	0.00011 (J)	<0.001	<0.001	8.5E-05 (J)	<0.001	<0.001

# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		<0.005				<0.005	<0.005	<0.005	<0.005
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	0.0032				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				0.0032				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	0.001 (J)	0.002 (J)	0.0007 (J)			<0.005			
3/10/2014							0.0013 (J)	0.00072 (J)	0.00074 (J)
3/11/2014				0.0013 (J)	0.0026				



# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	0.002 (J)	<0.005			<0.005	<0.005		
9/8/2014				<0.005	0.0017 (J)				
9/9/2014								<0.005	<0.005
4/21/2015	<0.005	0.002 (J)		<0.005	0.0016 (J)	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		0.0022 (J)		<0.005	0.0055				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
9/7/2016	0.0008 (J)	0.0026 (J)	<0.005	<0.005	0.0014 (J)	<0.005			
9/8/2016							0.0009 (J)	<0.005	<0.005
3/23/2017	0.0007 (J)		<0.005	0.0022 (J)					
3/24/2017		0.0024 (J)			0.0017 (J)				
3/27/2017						<0.005	0.0006 (J)	0.0062 (J)	0.0006 (J)
10/4/2017	0.0006 (J)		<0.005	<0.005	0.0023 (J)				
10/5/2017		0.0023 (J)				<0.005	0.0008 (J)	0.0005 (J)	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		0.0026 (J)		<0.005	0.0024 (J)	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	0.0023 (J)	<0.005	<0.005	0.0013 (J)	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				0.00075 (J)					
4/8/2019	0.00034 (J)	0.0023 (J)	<0.005		0.00089 (J)				
4/9/2019						<0.005	<0.005	<0.005	<0.005
9/30/2019	0.00037 (J)	0.0017 (J)	<0.005	<0.005	0.0013 (J)				
10/1/2019						<0.005	0.0015 (J)	<0.005	<0.005
3/26/2020	0.00065 (J)	0.002 (J)	<0.005	0.0011 (J)	0.00096 (J)				
3/27/2020						0.0023 (J)			
3/30/2020							0.00048 (J)		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		0.0014 (J)							
9/23/2020	<0.005			<0.005	0.00091 (J)				<0.005
9/24/2020							0.0011 (J)		
9/25/2020						<0.005			
9/28/2020								<0.005	
3/8/2021	<0.005	0.001 (J)		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005

# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	18 (o)	<0.005	
7/6/2007				<0.005		5.9 (o)	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	3.9	<0.005	<0.005
8/29/2007	0.0055	<0.005	<0.005					
11/6/2007				<0.005	<0.005	3.1	<0.005	<0.005
11/7/2007	0.0044	<0.005	<0.005					
5/7/2008	0.0047	<0.005	<0.005					
5/8/2008				<0.005	<0.005	2.1	<0.005	<0.005
12/2/2008						1.2	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						1.1	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	0.0027							
9/30/2009	0.0051	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	0.88		
4/13/2010	0.0031	<0.005			<0.005	0.82	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						0.72		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	0.52	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	0.56	<0.005	<0.005
10/5/2011	0.0032	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	0.365	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	0.45		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	0.0063							
3/12/2013				<0.005	<0.005	0.13	<0.005	<0.005
3/13/2013	0.0029	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		0.2	<0.005	0.003
9/11/2013	0.0046	<0.005						
3/5/2014				0.001 (J)	0.00092 (J)	0.17	0.00079 (J)	0.0022 (J)
3/11/2014	0.002 (J)	0.00059 (J)	0.0016 (J)					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	0.25		
9/9/2014	0.0029	<0.005		<0.005			<0.005	

# Time Series

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				<0.005		0.15		0.0019 (J)
4/22/2015					<0.005		<0.005	
4/23/2015		<0.005	<0.005					
9/29/2015				<0.005	<0.005	0.203	<0.005	0.0019 (J)
9/30/2015	0.0025 (J)	<0.005	<0.005					
3/23/2016		<0.005	<0.005	<0.005	<0.005	0.0607	<0.005	<0.005
3/24/2016	0.00317 (J)							
9/7/2016				<0.005	<0.005	0.141		
9/8/2016	0.0038 (J)	<0.005	0.0011 (J)				<0.005	0.0023 (J)
3/23/2017				0.0008 (J)	<0.005			
3/24/2017						0.0313	<0.005	
3/27/2017	0.0024 (J)	<0.005	0.0007 (J)					0.0023 (J)
10/4/2017				<0.005	<0.005	0.093		
10/5/2017	0.0104	<0.005	<0.005				<0.005	0.0024 (J)
3/14/2018							<0.005	
3/15/2018	0.0026 (J)	<0.005	0.001 (J)			0.057		0.0023 (J)
3/16/2018				<0.005	<0.005			
10/4/2018	0.012	<0.005		<0.005	<0.005	0.11	<0.005	
10/5/2018			0.0014 (J)					0.0025 (J)
12/11/2018	0.0052 (J)							
4/8/2019			0.0011 (J)		0.00032 (J)	0.03	0.00064 (J)	0.0021 (J)
4/9/2019	0.0048 (J)	<0.005		0.00098 (J)				
10/1/2019	0.0031 (J)	<0.005	0.0035 (J)	0.00088 (J)	0.00042 (J)	0.07	0.00063 (J)	0.0022 (J)
3/26/2020			0.001 (J)					
3/27/2020							0.00053 (J)	0.0022 (J)
3/30/2020						0.037		
3/31/2020	0.0039 (J)	<0.005		0.0013 (J)	<0.005			
9/23/2020		<0.005	0.00079 (J)					
9/24/2020	0.0068					0.042	0.001 (J)	0.0024 (J)
9/25/2020				0.00078 (J)	<0.005			
3/9/2021	0.0013 (J)	<0.005	<0.005	<0.005	<0.005	0.035	<0.005	0.0014 (J)

# Time Series

Constituent: pH (SU) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	7.07	7	7.19	7.11	7.14				
3/23/2016						7.56			7.55
3/24/2016							7.71	7.69	
5/17/2016	7	6.77	6.94	6.95	6.67	7.46			
5/18/2016							7.59	7.49	7.32
7/5/2016	6.88		6.98	6.55					
7/6/2016		6.64			6.53	7.24		7.39	
7/7/2016							7.55		7.39
9/7/2016	7.24	6.83	6.86	6.81	6.72	7.4			
9/8/2016							7.54	7.57	7.34
10/18/2016	6.86	6.58	6.71	6.64	6.73	7.11		7.35	
10/19/2016							7.66		7.35
12/6/2016	6.98	6.66		6.34	6.61	7.32			
12/7/2016			6.71					7.42	7.35
12/8/2016							7.47		
1/31/2017	6.63		6.95						
2/1/2017		6.5		6.68	6.7				
2/2/2017						7.19	7.64	7.43	
2/3/2017									7.37
3/23/2017	7.12		7.04	6.8					
3/24/2017		6.72			6.77				
3/27/2017						7.48	7.59	7.53	7.26
10/4/2017	6.83		6.86	6.64	6.52				
10/5/2017		6.69				7.13	7.65	7.36	7.2
3/14/2018	6.66		6.76						
3/15/2018		6.48		6.88	7.11	7.08		7.54	
3/16/2018							7.51		7.13
5/15/2018									7.18
10/4/2018	6.92	6.66	6.62	6.62	6.72	7.26		7.44	
10/5/2018							7.57		7.07
12/11/2018									7.16
4/5/2019				6.77					
4/8/2019	6.86	6.61	6.79		6.82				
4/9/2019						7.22	7.48	7.4	7.26
9/30/2019	7.15	6.86	6.86	6.73	6.77				
10/1/2019						7.07	7.65	7.31	7.16
3/26/2020	7.02	6.83	7.07	6.87	6.74				
3/27/2020						6.82			
3/30/2020							7.65		
3/31/2020								7.62	7.57
6/19/2020						7.4 (R)		7.61 (R)	7.31 (R)
9/21/2020			6.9						
9/22/2020		6.8							
9/23/2020	6.98			6.87	6.81				7.11
9/24/2020							7.62		
9/25/2020						7.28			
9/28/2020								7.78	
11/10/2020								7.37 (R)	
3/8/2021	6.86	6.78		6.95	6.84				
3/9/2021			6.93			7.43	7.66		
3/10/2021								7.49	7.41

# Time Series

Constituent: pH (SU) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		7.72	7.48	7.1	7.29	6.36	7.46	7.2
3/24/2016	6.4							
5/17/2016				6.88	7.1			
5/18/2016	6.44	7.77				6.21	7.4	6.96
5/19/2016			7.24					
7/6/2016				6.75	7	5.88	7.36	6.89
7/7/2016	6.12	7.65	7.18					
9/7/2016				6.95	7.07	5.77		
9/8/2016	7.2	7.89	7.17				7.45	6.93
10/18/2016				6.9	6.81	5.9	7.5	
10/19/2016	7.11	7.64	7.05					6.84
12/7/2016	7.24	7.72	7.16					
12/8/2016				6.55	6.85		7.28	6.54
12/9/2016						5.73		
2/1/2017				6.81	7.05			
2/2/2017	6.86	7.56				6.29	7.45	6.72
2/3/2017			7.27					
3/23/2017				6.8	6.97			
3/24/2017						6.32	7.28	
3/27/2017	6.51	7.69	7.24					6.56
10/4/2017				7.12	7.17	6.03		
10/5/2017	5.97	7.53	7.25				7.53	7.03
3/14/2018							7.28	
3/15/2018	7.01	7.5	7.05			6.05		6.66
3/16/2018				6.72	6.8			
10/4/2018	6.33	7.52		6.52	6.93	5.92	7.22	
10/5/2018			6.97					6.41
4/8/2019			6.88		7	6.26	6.91	6.72
4/9/2019	6.46	7.49		6.72				
6/18/2019							6.85	
6/27/2019							7.05	
10/1/2019	6.9	7.38	7	6.81	6.97	6.09	7.11	6.77
11/6/2019		7.66						
3/26/2020			6.88					
3/27/2020							7.01	7.11
3/30/2020						6.48		
3/31/2020	6.33	7.8		6.82	7.17			
6/18/2020					6.96 (R)			
6/19/2020						6.45 (R)	6.81 (R)	
9/23/2020		7.42	6.96					
9/24/2020	7.12					6.32	6.96	6.75
9/25/2020				6.82	6.96			
3/9/2021	7.04	7.52	6.81	6.93	7.09	6.59	7.06	6.92

# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		<0.005				<0.005	<0.005	<0.005	<0.005
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				<0.005				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	<0.005	<0.005	<0.005			0.0016 (J)			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				<0.005	<0.005				

# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	<0.005	<0.005			<0.005	<0.005		
9/8/2014				<0.005	<0.005				
9/9/2014								<0.005	<0.005
4/21/2015	<0.005	<0.005		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		<0.005		<0.005	<0.005				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
5/17/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/18/2016							<0.005	<0.005	<0.005
7/5/2016	<0.005		<0.005	<0.005					
7/6/2016		<0.005			<0.005	<0.005		<0.005	
7/7/2016							<0.005		<0.005
9/7/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	<0.005	<0.005
10/18/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/19/2016							<0.005		<0.005
12/6/2016	<0.005	<0.005		<0.005	<0.005	<0.005			
12/7/2016			<0.005					<0.005	<0.005
12/8/2016							<0.005		
1/31/2017	<0.005		<0.005						
2/1/2017		<0.005		<0.005	<0.005				
2/2/2017						<0.005	<0.005	<0.005	
2/3/2017									<0.005
3/23/2017	<0.005		<0.005	<0.005					
3/24/2017		<0.005			<0.005				
3/27/2017						<0.005	<0.005	<0.005	<0.005
10/4/2017	<0.005		<0.005	<0.005	<0.005				
10/5/2017		<0.005				<0.005	<0.005	<0.005	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		<0.005		<0.005	<0.005	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				<0.005					
4/8/2019	<0.005	<0.005	<0.005		0.00014 (J)				
4/9/2019						<0.005	<0.005	<0.005	<0.005
9/30/2019	<0.005	<0.005	<0.005	<0.005	<0.005				
10/1/2019						<0.005	<0.005	<0.005	<0.005
3/26/2020	<0.005	<0.005	<0.005	<0.005	<0.005				
3/27/2020						<0.005			
3/30/2020							<0.005		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		<0.005							
9/23/2020	<0.005			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								<0.005	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2021 1:42 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.005	<0.005		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005



# Time Series

Constituent: Selenium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	
7/6/2007				<0.005		<0.005	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	<0.005	<0.005	<0.005
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	<0.005	<0.005	<0.005
11/7/2007	<0.005	<0.005	<0.005					
5/7/2008	<0.005	<0.005	<0.005					
5/8/2008				<0.005	<0.005	<0.005	<0.005	<0.005
12/2/2008						<0.005	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						<0.005	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	<0.005							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	<0.005		
4/13/2010	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						<0.005		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	<0.005	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	<0.005	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	<0.005	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	<0.005		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	<0.005							
3/12/2013				<0.005	<0.005	<0.005	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		<0.005	<0.005	<0.005
9/11/2013	<0.005	<0.005						
3/5/2014				<0.005	<0.005	<0.005	<0.005	0.0018 (J)
3/11/2014	0.0024 (J)	0.0017 (J)	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	<0.005		
9/9/2014	<0.005	<0.005		<0.005			<0.005	



# Time Series

Constituent: Silver (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		<0.005				<0.005	<0.005	<0.005	<0.005
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				<0.005				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	<0.005	<0.005	<0.005			<0.005			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				<0.005	<0.005				

# Time Series

Constituent: Silver (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	<0.005	<0.005			<0.005	<0.005		
9/8/2014				<0.005	<0.005				
9/9/2014								<0.005	<0.005
4/21/2015	<0.005	<0.005		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		<0.005		<0.005	<0.005				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
9/7/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	<0.005	<0.005
3/23/2017	<0.005		<0.005	<0.005					
3/24/2017		<0.005			<0.005				
3/27/2017						<0.005	<0.005	<0.005	<0.005
10/4/2017	<0.005		<0.005	<0.005	<0.005				
10/5/2017		<0.005				<0.005	<0.005	<0.005	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		<0.005		<0.005	<0.005	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				<0.005					
4/8/2019	<0.005	<0.005	<0.005		<0.005				
4/9/2019						<0.005	<0.005	<0.005	<0.005
9/30/2019	<0.005	<0.005	<0.005	<0.005	<0.005				
10/1/2019						<0.005	<0.005	<0.005	<0.005
3/26/2020	<0.005	<0.005	<0.005	<0.005	<0.005				
3/27/2020						<0.005			
3/30/2020							<0.005		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		<0.005							
9/23/2020	<0.005			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								<0.005	
3/8/2021	<0.005	<0.005		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005

# Time Series

Constituent: Silver (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	
7/6/2007				<0.005		<0.005	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	<0.005	<0.005	<0.005
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	<0.005	<0.005	<0.005
11/7/2007	<0.005	<0.005	<0.005					
5/7/2008	<0.005	<0.005	<0.005					
5/8/2008				<0.005	<0.005	<0.005	<0.005	<0.005
12/2/2008						<0.005	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						<0.005	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	0.0036							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	<0.005		
4/13/2010	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						<0.005		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	<0.005	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	<0.005	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	<0.005	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	<0.005		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	<0.005							
3/12/2013				<0.005	<0.005	<0.005	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		<0.005	<0.005	<0.005
9/11/2013	<0.005	<0.005						
3/5/2014				<0.005	<0.005	<0.005	<0.005	<0.005
3/11/2014	<0.005	<0.005	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	<0.005		
9/9/2014	<0.005	<0.005		<0.005			<0.005	



# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	4.4409	11.6823	13.0789	107.476	302.2975				
3/23/2016						14.6529			22.9683
3/24/2016							10.1818	16.8473	
5/17/2016	4.43	11.4	15.3	106	213	13.3			
5/18/2016								18.4	19.2
5/19/2016							9.58		
7/5/2016	4.6		15	110					
7/6/2016		12			280	10		17	
7/7/2016							9.6		31
9/7/2016	4.8	13	16	83	160	10			
9/8/2016							9.4	16	30
10/18/2016	4.7	13	16	110	120	10		19	
10/19/2016							9.9		32
12/6/2016	4.7	12		220	210	11			
12/7/2016			15					13	26
12/8/2016							14		
1/31/2017	5.1		13						
2/1/2017		13		190	200				
2/2/2017						11	13	14	
2/3/2017									27
3/23/2017	4.7		12	160					
3/24/2017		12			140				
3/27/2017						33	12	18	30
10/4/2017	5		12	140	140				
10/5/2017		13				16	12	16	32
3/14/2018	5.1		13.9						
3/15/2018		12.2		119	167	33.9		14.8	
3/16/2018							11.7		37.5
5/15/2018						29.1			41
10/4/2018	5.2	15.6	17.4	117	209	29.5		15.9	
10/5/2018							10.6		38.9
12/11/2018									41.8
4/5/2019				131					
4/8/2019	4.6	13.2	18.1		248				
4/9/2019						21.4	11.3	16.7	50.3
6/18/2019									38.7
6/27/2019									46
9/30/2019	4.9	11.5	17.5	118	117				
10/1/2019						13.4	8.9	14.7	52.3
11/6/2019									47.3
3/26/2020	5	10.8	15.6	95.8	128				
3/27/2020						10.8			
3/30/2020							9.7		
3/31/2020								17.8	53.6
9/21/2020			18.2						
9/22/2020		9.8							
9/23/2020	6.6			95.6	123				58.9
9/24/2020							8.5		
9/25/2020						11.6			
9/28/2020								15.8	
3/8/2021	4.6	11.5		99.5	152				
3/9/2021			16.8			14.2	7.9		





# Time Series

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		9.1183	6.2867	76.011	87.512	90.229	26.3455	61.8335
3/24/2016	24.8075							
5/17/2016				76.2	101			
5/18/2016	26.2	6.88				100		
5/19/2016			5.42				31.7	64.3
7/6/2016				74	110	130	36	69
7/7/2016	31	6.8	5.7					
9/7/2016				64	97	130		
9/8/2016	33	6.8	5.7				45	68
10/18/2016				65	120	140	49	
10/19/2016	31	7.5	5.8					69
12/7/2016	19	11	5.9					
12/8/2016				100	100	140	50	69
2/1/2017				150	110			
2/2/2017	52	9.9				71	51	76
2/3/2017			38					
3/23/2017				130	110			
3/24/2017						68	46	
3/27/2017	29	8.4	43					68
10/4/2017				71	130	120		
10/5/2017	33	7.4	8.3				48	74
12/14/2017					130			
1/18/2018					110			
3/14/2018							36.8	
3/15/2018	38	8.2	14			118		57.8
3/16/2018				77.4	93.6			
10/4/2018	19.3	6.4		90.3	137	167	45.4	
10/5/2018			9.3					81.9
12/11/2018					110			73.6
4/8/2019			6.2		131	97.1	39.9	73.5
4/9/2019	19.9	11		83.6				
6/19/2019					108			
10/1/2019	46.3	1.9	5.8	68.1	71.7	120	47.1	72.2
3/26/2020			14.5					
3/27/2020							31.5	54
3/30/2020						64.6		
3/31/2020	29.9	10.9		92.6	106			
9/23/2020		5	5.3					
9/24/2020	37.6					120	48.3	69.9
9/25/2020				80.7	110			
3/9/2021	41.6	6.4	10.2	86.9	105	87.4	33.1	65.1 (M1)

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.001		<0.001	<0.001	<0.001			<0.001	
3/7/2007		<0.001				<0.001	<0.001		<0.001
5/8/2007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
5/9/2007							<0.001	<0.001	<0.001
7/7/2007	<0.001		<0.001						
7/17/2007		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/28/2007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
8/29/2007									<0.001
11/6/2007	<0.001		<0.001	<0.001	<0.001				
11/7/2007		<0.001				<0.001	<0.001	<0.001	<0.001
5/7/2008							<0.001	<0.001	<0.001
5/8/2008				<0.001	<0.001				
5/9/2008	<0.001	<0.001	<0.001			<0.001			
12/2/2008		<0.001				<0.001			
12/3/2008	<0.001		<0.001	<0.001	<0.001		<0.001		
12/4/2008								<0.001	
12/5/2008									<0.001
4/7/2009	<0.001		<0.001	<0.001	<0.001				
4/8/2009		<0.001				<0.001			
4/14/2009							<0.001	<0.001	<0.001
9/30/2009									<0.001
10/1/2009	<0.001	<0.001	<0.001			<0.001	<0.001		
10/2/2009				<0.001	<0.001			<0.001	
4/13/2010			<0.001				<0.001	<0.001	<0.001
4/14/2010	<0.001	<0.001		<0.001	<0.001	<0.001			
10/7/2010			<0.001						
10/12/2010							<0.001	<0.001	<0.001
10/13/2010	<0.001	<0.001				<0.001			
10/14/2010				<0.001	<0.001				
4/5/2011				<0.001	<0.001				
4/6/2011	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	
10/4/2011		<0.001				<0.001			
10/6/2011			<0.001						
10/10/2011	<0.001								
10/12/2011				<0.001	<0.001		<0.001	<0.001	<0.001
4/3/2012	<0.001		<0.001						
4/4/2012				<0.001	<0.001				
4/5/2012							<0.001	<0.001	
4/9/2012									<0.001
4/10/2012		<0.001				<0.001			
9/19/2012			<0.001				<0.001		
9/24/2012	<0.001				<0.001				
9/25/2012								<0.001	<0.001
9/26/2012		<0.001		<0.001		<0.001			
3/12/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/13/2013							<0.001	<0.001	<0.001
3/4/2014	<0.001	<0.001	<0.001			<0.001			
3/10/2014							<0.001	<0.001	<0.001
3/11/2014				<0.001	<0.001				
9/3/2014	<0.001	<0.001	<0.001			<0.001	<0.001		
9/8/2014				<0.001	<0.001				
9/9/2014								<0.001	<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
4/21/2015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/29/2015		<0.001		<0.001	<0.001				
9/30/2015	<0.001		<0.001			<0.001	<0.001	<0.001	<0.001
3/22/2016	<0.001	<0.001	<0.001	<0.001	<0.001				
3/23/2016						<0.001			<0.001
3/24/2016							<0.001	<0.001	
5/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
5/18/2016							<0.001	<0.001	<0.001
7/5/2016	<0.001		<0.001	<0.001					
7/6/2016		<0.001			<0.001	<0.001		<0.001	
7/7/2016							<0.001		<0.001
9/7/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
9/8/2016							<0.001	<0.001	<0.001
10/18/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
10/19/2016							<0.001		<0.001
12/6/2016	<0.001	<0.001		<0.001	<0.001	<0.001			
12/7/2016			<0.001					<0.001	<0.001
12/8/2016							<0.001		
1/31/2017	<0.001		<0.001						
2/1/2017		<0.001		<0.001	<0.001				
2/2/2017						<0.001	<0.001	<0.001	
2/3/2017									<0.001
3/23/2017	<0.001		<0.001	<0.001					
3/24/2017		<0.001			<0.001				
3/27/2017						<0.001	<0.001	<0.001	<0.001
10/4/2017	<0.001		<0.001	<0.001	<0.001				
10/5/2017		<0.001				<0.001	<0.001	<0.001	<0.001
3/14/2018	<0.001		<0.001					<0.001	
3/15/2018		<0.001		<0.001	<0.001	<0.001		<0.001	
3/16/2018							<0.001		<0.001
10/4/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
10/5/2018							<0.001		<0.001
4/5/2019				<0.001					
4/8/2019	<0.001	<0.001	<0.001		<0.001				
4/9/2019						<0.001	<0.001	<0.001	<0.001
9/30/2019	<0.001	<0.001	<0.001	<0.001	<0.001				
10/1/2019						<0.001	<0.001	<0.001	<0.001
3/26/2020	<0.001	<0.001	<0.001	<0.001	<0.001				
3/27/2020						<0.001			
3/30/2020							<0.001		
3/31/2020								<0.001	<0.001
9/21/2020			<0.001						
9/22/2020		<0.001							
9/23/2020	<0.001			<0.001	<0.001				<0.001
9/24/2020							<0.001		
9/25/2020						<0.001			
9/28/2020								<0.001	
3/8/2021	<0.001	<0.001		<0.001	<0.001				
3/9/2021			<0.001			<0.001	<0.001		
3/10/2021								<0.001	<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.001	<0.001	<0.001					
3/7/2007				<0.001	<0.001			<0.001
5/8/2007				<0.001				<0.001
5/9/2007	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
7/6/2007				<0.001		<0.001	<0.001	<0.001
7/17/2007	<0.001	<0.001	<0.001		<0.001			
8/28/2007				<0.001	<0.001	<0.001	<0.001	<0.001
8/29/2007	<0.001	<0.001	<0.001					
11/6/2007				<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2007	<0.001	<0.001	<0.001					
5/7/2008	<0.001	<0.001	<0.001					
5/8/2008				<0.001	<0.001	<0.001	<0.001	<0.001
12/2/2008						<0.001	<0.001	<0.001
12/3/2008				<0.001	<0.001			
12/5/2008	<0.001	<0.001	<0.001					
4/7/2009				<0.001	<0.001			
4/8/2009						<0.001	<0.001	<0.001
4/14/2009		<0.001	<0.001					
4/27/2009	<0.001							
9/30/2009	<0.001	<0.001					<0.001	<0.001
10/1/2009			<0.001	<0.001	<0.001	<0.001		
4/13/2010	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
4/14/2010			<0.001	<0.001				
10/6/2010					<0.001			
10/7/2010						<0.001		
10/12/2010	<0.001	<0.001						
10/13/2010			<0.001				<0.001	<0.001
10/14/2010				<0.001				
4/5/2011				<0.001	<0.001	<0.001	<0.001	<0.001
4/6/2011		<0.001	<0.001					
10/4/2011					<0.001	<0.001	<0.001	<0.001
10/5/2011	<0.001	<0.001						
10/12/2011			<0.001	<0.001				
4/3/2012					<0.001	<0.001	<0.001	
4/4/2012				<0.001				<0.001
4/9/2012		<0.001	<0.001					
4/10/2012	<0.001							
9/18/2012					<0.001	<0.001		
9/19/2012			<0.001				<0.001	<0.001
9/24/2012				<0.001	<0.001		<0.001	
9/25/2012		<0.001						
9/26/2012	<0.001							
3/12/2013				<0.001	<0.001	<0.001	<0.001	<0.001
3/13/2013	<0.001	<0.001	<0.001					
3/5/2014				<0.001	<0.001	<0.001	<0.001	<0.001
3/11/2014	<0.001	<0.001	<0.001					
9/3/2014			<0.001					<0.001
9/8/2014					<0.001	<0.001		
9/9/2014	<0.001	<0.001		<0.001			<0.001	
4/21/2015		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/29/2015				<0.001	<0.001	<0.001	<0.001	<0.001
9/30/2015	<0.001	<0.001	<0.001					



# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	78	112	233	451	686				
3/23/2016						182			208
3/24/2016							205	232	
5/17/2016	67	121	197	430	533	178			
5/18/2016								245	213
5/19/2016							204		
7/5/2016	87		218	418					
7/6/2016		98			646	135		231	
7/7/2016							181		212
9/7/2016	125	128	240	443	493	165			
9/8/2016							193	252	201
10/18/2016	133	115	221	415	455	113		288	
10/19/2016							231		276
12/6/2016	151	153		653	597	194			
12/7/2016			235					220	186
12/8/2016							166		
1/31/2017	135		253						
2/1/2017		183		615	638				
2/2/2017						160	191	220	
2/3/2017									219
3/23/2017	72		190	506					
3/24/2017		121			579				
3/27/2017						252	427	393	239
10/4/2017	91		192	492	440				
10/5/2017		113				177	207	242	216
3/14/2018	99		204						
3/15/2018		115		448	381	216		213	
3/16/2018							199		216
10/4/2018	112	135	233	472	490	222		231	
10/5/2018							235		256
4/5/2019				456					
4/8/2019	91	142	209		522				
4/9/2019						213	212	253	267
9/30/2019	126	134	242	475	455				
10/1/2019						186	196	229	271
3/26/2020	73	76	222	450	466				
3/27/2020						118			
3/30/2020							217		
3/31/2020								233	267
9/21/2020			204						
9/22/2020		107							
9/23/2020	117			473	421				277
9/24/2020							181		
9/25/2020						153			
9/28/2020								214	
3/8/2021	96	107		415	460				
3/9/2021			227 (D6)			201	192		
3/10/2021								223 (D6)	241

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		206	168	379	310	253	239	204
3/24/2016	110							
5/17/2016				349	280			
5/18/2016	153	212				276		
5/19/2016			173				236	215
7/6/2016				346	280	239	218	204
7/7/2016	151	206	144					
9/7/2016				382	324	247		
9/8/2016	285	214	179				225	201
10/18/2016				461	307	233	200	
10/19/2016	314	269	209					272
12/7/2016	252	199	156					
12/8/2016				379	281	373	196	227
2/1/2017				511	354			
2/2/2017	138	211				236	231	209
2/3/2017			276					
3/23/2017				443	302			
3/24/2017						291	250	
3/27/2017	88	324	295					305
10/4/2017				359	365	264		
10/5/2017	111	219	192				309	204
12/14/2017					406		322	
1/18/2018					404		322	
3/14/2018							263	
3/15/2018	219	190	169			254		280
3/16/2018				390	317			
10/4/2018	152	215		385	371	287	292	
10/5/2018			210					236
4/8/2019			191		353	295	438	264
4/9/2019	167	222		371				
10/1/2019	336	220	203	380	348	277	305	237
11/6/2019	336							
11/26/2019	236							
3/26/2020			193					
3/27/2020							329	192
3/30/2020						216		
3/31/2020	111	195		408	349			
9/23/2020		231	186					
9/24/2020	286					254	307	179
9/25/2020				367	345			
3/9/2021	243	178	216	364	298	299	308	209

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.01		<0.01	<0.01	<0.01			<0.01	
3/7/2007		<0.01				<0.01	<0.01		<0.01
5/8/2007	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
5/9/2007							<0.01	<0.01	<0.01
7/7/2007	<0.01		<0.01						
7/17/2007		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
8/28/2007	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
8/29/2007									<0.01
11/6/2007	<0.01		<0.01	<0.01	<0.01				
11/7/2007		<0.01				<0.01	<0.01	<0.01	<0.01
5/7/2008							<0.01	<0.01	<0.01
5/8/2008				<0.01	<0.01				
5/9/2008	<0.01	<0.01	<0.01			<0.01			
12/2/2008		<0.01				<0.01			
12/3/2008	<0.01		<0.01	<0.01	<0.01		<0.01		
12/4/2008								<0.01	
12/5/2008									<0.01
4/7/2009	<0.01		<0.01	<0.01	<0.01				
4/8/2009		<0.01				<0.01			
4/14/2009							<0.01	<0.01	<0.01
9/30/2009									<0.01
10/1/2009	<0.01	<0.01	<0.01			<0.01	<0.01		
10/2/2009				<0.01	<0.01			<0.01	
4/13/2010			<0.01				<0.01	<0.01	<0.01
4/14/2010	<0.01	<0.01		<0.01	<0.01	<0.01			
10/7/2010			<0.01						
10/12/2010							<0.01	<0.01	<0.01
10/13/2010	<0.01	<0.01				<0.01			
10/14/2010				<0.01	<0.01				
4/5/2011				<0.01	<0.01				
4/6/2011	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	
10/4/2011		<0.01				<0.01			
10/6/2011			<0.01						
10/10/2011	<0.01								
10/12/2011				<0.01	<0.01		<0.01	<0.01	<0.01
4/3/2012	<0.01		<0.01						
4/4/2012				<0.01	<0.01				
4/5/2012							<0.01	<0.01	
4/9/2012									<0.01
4/10/2012		<0.01				<0.01			
9/19/2012			<0.01				<0.01		
9/24/2012	<0.01				<0.01				
9/25/2012								<0.01	<0.01
9/26/2012		<0.01		<0.01		<0.01			
3/12/2013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
3/13/2013							<0.01	<0.01	<0.01
9/9/2013			<0.01						
9/10/2013		<0.01		<0.01	<0.01	<0.01	<0.01		
9/11/2013	<0.01							<0.01	<0.01
3/4/2014	<0.01	<0.01	<0.01			<0.01			
3/10/2014							<0.01	<0.01	<0.01
3/11/2014				<0.01	<0.01				



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.01	<0.01	<0.01			<0.01	<0.01		
9/8/2014				<0.01	<0.01				
9/9/2014								<0.01	<0.01
4/21/2015	<0.01	<0.01		<0.01	<0.01	<0.01			
4/22/2015			<0.01				<0.01	<0.01	
4/23/2015									<0.01
9/29/2015		<0.01		<0.01	<0.01				
9/30/2015	<0.01		<0.01			<0.01	<0.01	<0.01	<0.01
3/22/2016	<0.01	<0.01	<0.01	<0.01	<0.01				
3/23/2016						<0.01			<0.01
3/24/2016							<0.01	<0.01	
9/7/2016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
9/8/2016							<0.01	<0.01	<0.01
3/23/2017	<0.01		<0.01	<0.01					
3/24/2017		<0.01			<0.01				
3/27/2017						<0.01	<0.01	<0.01	<0.01
10/4/2017	<0.01		<0.01	<0.01	<0.01				
10/5/2017		<0.01				<0.01	<0.01	<0.01	<0.01
3/14/2018	<0.01		<0.01						
3/15/2018		<0.01		<0.01	<0.01	<0.01		<0.01	
3/16/2018							<0.01		<0.01
10/4/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
10/5/2018							<0.01		<0.01
4/5/2019				<0.01					
4/8/2019	<0.01	<0.01	<0.01		<0.01				
4/9/2019						<0.01	<0.01	<0.01	<0.01
9/30/2019	<0.01	<0.01	<0.01	<0.01	<0.01				
10/1/2019						<0.01	<0.01	<0.01	<0.01
3/26/2020	<0.01	<0.01	<0.01	<0.01	<0.01				
3/27/2020						<0.01			
3/30/2020							<0.01		
3/31/2020								<0.01	<0.01
9/21/2020			<0.01						
9/22/2020		<0.01							
9/23/2020	<0.01			<0.01	<0.01				<0.01
9/24/2020							<0.01		
9/25/2020						<0.01			
9/28/2020								<0.01	
3/8/2021	<0.01	<0.01		<0.01	<0.01				
3/9/2021			<0.01			<0.01	<0.01		
3/10/2021								<0.01	<0.01

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.01	<0.01	<0.01					
3/7/2007				<0.01	<0.01			<0.01
5/8/2007				<0.01				<0.01
5/9/2007	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
7/6/2007				<0.01		<0.01	<0.01	<0.01
7/17/2007	<0.01	<0.01	<0.01		<0.01			
8/28/2007				<0.01	<0.01	<0.01	<0.01	<0.01
8/29/2007	<0.01	<0.01	<0.01					
11/6/2007				<0.01	<0.01	<0.01	<0.01	<0.01
11/7/2007	<0.01	<0.01	<0.01					
5/7/2008	<0.01	<0.01	<0.01					
5/8/2008				<0.01	<0.01	<0.01	<0.01	<0.01
12/2/2008						<0.01	<0.01	<0.01
12/3/2008				<0.01	<0.01			
12/5/2008	<0.01	<0.01	<0.01					
4/7/2009				<0.01	<0.01			
4/8/2009						<0.01	<0.01	0.0029
4/14/2009		<0.01	<0.01					
4/27/2009	<0.01							
9/30/2009	<0.01	<0.01					<0.01	<0.01
10/1/2009			<0.01	<0.01	<0.01	0.0039		
4/13/2010	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01
4/14/2010			<0.01	<0.01				
10/6/2010					<0.01			
10/7/2010						<0.01		
10/12/2010	<0.01	<0.01						
10/13/2010			<0.01				<0.01	<0.01
10/14/2010				<0.01				
4/5/2011				<0.01	<0.01	0.0025	<0.01	<0.01
4/6/2011		<0.01	<0.01					
10/4/2011					<0.01	0.0027	<0.01	<0.01
10/5/2011	<0.01	<0.01						
10/12/2011			<0.01	<0.01				
4/3/2012					<0.01	<0.01	<0.01	
4/4/2012				<0.01				<0.01
4/9/2012		<0.01	<0.01					
4/10/2012	<0.01							
9/18/2012					<0.01	<0.01		
9/19/2012			<0.01				<0.01	<0.01
9/24/2012				<0.01				
9/25/2012		<0.01						
9/26/2012	<0.01							
3/12/2013				<0.01	<0.01	<0.01	<0.01	<0.01
3/13/2013	<0.01	<0.01	<0.01					
9/9/2013					<0.01			
9/10/2013			<0.01	<0.01		<0.01	<0.01	<0.01
9/11/2013	<0.01	<0.01						
3/5/2014				<0.01	<0.01	<0.01	<0.01	<0.01
3/11/2014	<0.01	<0.01	<0.01					
9/3/2014			<0.01					<0.01
9/8/2014					<0.01	0.0012 (J)		
9/9/2014	0.0029 (J)	<0.01		0.00093 (J)			<0.01	



# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.01		<0.01	<0.01	<0.01			<0.01	
3/7/2007		<0.01				<0.01	<0.01		<0.01
5/8/2007	<0.01	0.0025	<0.01	<0.01	<0.01	<0.01			
5/9/2007							0.0026	0.0025	<0.01
7/7/2007	<0.01		<0.01						
7/17/2007		0.0047		0.0033	<0.01	0.0069	0.0043	0.0035	<0.01
8/28/2007	<0.01	0.0033	0.0026	<0.01	0.0026	<0.01	<0.01	<0.01	
8/29/2007									<0.01
11/6/2007	<0.01		<0.01	<0.01	<0.01				
11/7/2007		<0.01				<0.01	<0.01	<0.01	<0.01
5/7/2008							<0.01	<0.01	<0.01
5/8/2008				0.0033	0.0037				
5/9/2008	<0.01	<0.01	<0.01			<0.01			
12/2/2008		<0.01				<0.01			
12/3/2008	<0.01		<0.01	0.0054	0.003		<0.01		
12/4/2008								<0.01	
12/5/2008									<0.01
4/7/2009	0.0028		<0.01	<0.01	0.0045				
4/8/2009		<0.01				<0.01			
4/14/2009							<0.01	<0.01	<0.01
9/30/2009									<0.01
10/1/2009	<0.01	<0.01	<0.01			<0.01	<0.01		
10/2/2009				<0.01	0.0027			<0.01	
4/13/2010			<0.01				<0.01	0.0043	<0.01
4/14/2010	<0.01	<0.01		0.003	<0.01	<0.01			
10/7/2010			<0.01						
10/12/2010							<0.01	<0.01	<0.01
10/13/2010	<0.01	<0.01				<0.01			
10/14/2010				<0.01	0.0041				
4/5/2011				<0.01	<0.01				
4/6/2011	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	
10/4/2011		<0.01				<0.01			
10/6/2011			<0.01						
10/10/2011	<0.01								
10/12/2011				<0.01	0.0033		<0.01	<0.01	<0.01
4/3/2012	<0.01		<0.01						
4/4/2012				<0.01	<0.01				
4/5/2012							<0.01	<0.01	
4/9/2012									<0.01
4/10/2012		<0.01				<0.01			
9/19/2012			<0.01				<0.01		
9/24/2012	<0.01				0.0039				
9/25/2012								<0.01	<0.01
9/26/2012		<0.01		<0.01		<0.01			
3/12/2013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
3/13/2013							<0.01	<0.01	<0.01
9/9/2013			<0.01						
9/10/2013		<0.01		<0.01	0.0035	<0.01	<0.01		
9/11/2013	<0.01							<0.01	<0.01
3/4/2014	0.0026	<0.01	0.0035			0.0026			
3/10/2014							0.0022 (J)	0.0031	0.0024 (J)
3/11/2014				0.0037	0.0045				

# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	0.001 (J)	0.00074 (J)	0.0015 (J)			0.00079 (J)	0.0013 (J)		
9/8/2014				0.00087 (J)	0.0026				
9/9/2014								0.00098 (J)	0.00078 (J)
4/21/2015	<0.01	<0.01		0.002 (J)	0.0028	<0.01			
4/22/2015			<0.01				0.0019 (J)	0.0015 (J)	
4/23/2015									<0.01
9/29/2015		0.0024 (J)		0.0021 (J)	0.008 (J)				
9/30/2015	<0.01		0.0026 (J)			0.0018 (J)	0.0037 (J)	0.002 (J)	0.0016 (J)
3/22/2016	<0.01	<0.01	<0.01	<0.01	<0.01				
3/23/2016						<0.01			<0.01
3/24/2016							<0.01	<0.01	
9/7/2016	0.0047 (J)	0.0023 (J)	0.0024 (J)	0.0034 (J)	0.0035 (J)	<0.01			
9/8/2016							0.0024 (J)	0.0029 (J)	<0.01
3/23/2017	<0.01		<0.01	0.0031 (J)					
3/24/2017		0.0068 (J)			0.0095 (J)				
3/27/2017						0.0014 (J)	<0.01	0.0019 (J)	0.0017 (J)
10/4/2017	<0.01		0.0017 (J)	<0.01	0.0031 (J)				
10/5/2017		<0.01				<0.01	<0.01	0.0024 (J)	0.0016 (J)
3/14/2018	0.0032 (J)		0.0023 (J)						
3/15/2018		0.0042 (J)		0.0028 (J)	0.0041 (J)	<0.01		<0.01	
3/16/2018							<0.01		<0.01
10/4/2018	0.003 (J)	0.0046 (J)	0.0041 (J)	0.0043 (J)	0.0058 (J)	0.0033 (J)		0.013	
10/5/2018							0.0029 (J)		<0.01
4/5/2019				0.0013 (J)					
4/8/2019	<0.01	0.0024 (J)	0.0014 (J)		0.0023 (J)				
4/9/2019						<0.01	0.0037 (J)	<0.01	<0.01
9/30/2019	0.0032 (J)	0.004 (J)	0.0043 (J)	0.0045 (J)	0.0059 (J)				
10/1/2019						0.0049 (J)	0.006 (J)	0.0049 (J)	0.0063 (J)
3/26/2020	<0.01	<0.01	<0.01	<0.01	<0.01				
3/27/2020						<0.01			
3/30/2020							<0.01		
3/31/2020								<0.01	<0.01
9/21/2020			<0.01						
9/22/2020		<0.01							
9/23/2020	0.0025 (J)			<0.01	0.0025 (J)				<0.01
9/24/2020							<0.01		
9/25/2020						<0.01			
9/28/2020								0.0033 (J)	
3/8/2021	<0.01	<0.01		<0.01	0.0034 (J)				
3/9/2021			<0.01			<0.01	<0.01		
3/10/2021								<0.01	<0.01

# Time Series

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:42 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.01	<0.01	0.0054					
3/7/2007				0.0064	<0.01			<0.01
5/8/2007				<0.01				0.0027
5/9/2007	<0.01	0.0035	0.0041		<0.01	45 (o)	0.0038	
7/6/2007				<0.01		16 (o)	<0.01	0.0032
7/17/2007	0.0031	<0.01	0.005		<0.01			
8/28/2007				0.0025	<0.01	11 (o)	<0.01	0.0026
8/29/2007	0.0056	<0.01	0.0044					
11/6/2007				<0.01	<0.01	8.3	<0.01	<0.01
11/7/2007	0.0059	<0.01	<0.01					
5/7/2008	0.0059	<0.01	<0.01					
5/8/2008				<0.01	<0.01	5	<0.01	<0.01
12/2/2008						3.2	<0.01	<0.01
12/3/2008				<0.01	<0.01			
12/5/2008	<0.01	<0.01	<0.01					
4/7/2009				0.0025	<0.01			
4/8/2009						2.4	<0.01	<0.01
4/14/2009		<0.01	<0.01					
4/27/2009	0.0051							
9/30/2009	0.0066	<0.01					<0.01	<0.01
10/1/2009			<0.01	<0.01	<0.01	1.9		
4/13/2010	0.0041	<0.01			<0.01	1.9	<0.01	<0.01
4/14/2010			<0.01	<0.01				
10/6/2010					<0.01			
10/7/2010						1.6		
10/12/2010	0.004	<0.01						
10/13/2010			<0.01				<0.01	<0.01
10/14/2010				<0.01				
4/5/2011				0.0025	<0.01	1.1	<0.01	<0.01
4/6/2011		<0.01	<0.01					
10/4/2011					<0.01	1.1	<0.01	<0.01
10/5/2011	0.0043	<0.01						
10/12/2011			<0.01	0.0037				
4/3/2012					<0.01	0.75	<0.01	
4/4/2012				<0.01				<0.01
4/9/2012		<0.01	<0.01					
4/10/2012	0.0108							
9/18/2012					<0.01	0.88		
9/19/2012			<0.01				<0.01	<0.01
9/24/2012				<0.01				
9/25/2012		<0.01						
9/26/2012	0.0066							
3/12/2013				<0.01	<0.01	0.23	<0.01	<0.01
3/13/2013	0.0035	<0.01	<0.01					
9/9/2013					<0.01			
9/10/2013			<0.01	<0.01		0.36	<0.01	<0.01
9/11/2013	0.005	<0.01						
3/5/2014				0.0028	0.0026	0.33	0.0028	0.0029
3/11/2014	0.005	0.0037	0.0033					
9/3/2014			0.0014 (J)					0.0011 (J)
9/8/2014					0.00055 (J)	0.47		
9/9/2014	0.0041	0.0006 (J)		0.00058 (J)			0.0014 (J)	

# Time Series

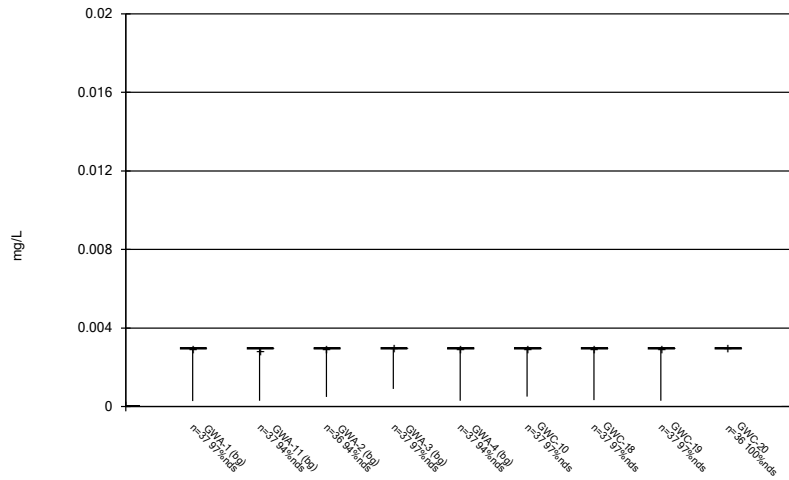
Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:42 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				0.0043		0.27		<0.01
4/22/2015					<0.01		<0.01	
4/23/2015		<0.01	0.0024 (J)					
9/29/2015				0.0031 (J)	0.0026 (J)	0.359	0.0016 (J)	0.0034 (J)
9/30/2015	0.0031 (J)	0.0021 (J)	0.0041 (J)					
3/23/2016		<0.01	<0.01	0.00272 (J)	<0.01	0.102	<0.01	<0.01
3/24/2016	0.00393 (J)							
9/7/2016				<0.01	0.0024 (J)	0.24		
9/8/2016	0.0047 (J)	<0.01	<0.01				<0.01	<0.01
3/23/2017				0.0026 (J)	0.0035 (J)			
3/24/2017						0.0512	0.0031 (J)	
3/27/2017	0.0036 (J)	<0.01	0.0014 (J)					0.0014 (J)
10/4/2017				<0.01	<0.01	0.159		
10/5/2017	0.0065 (J)	<0.01	0.0014 (J)				<0.01	0.0013 (J)
3/14/2018							0.0053 (J)	
3/15/2018	0.0053 (J)	<0.01	0.0039 (J)			0.12		<0.01
3/16/2018				<0.01	0.0029 (J)			
10/4/2018	0.0077 (J)	0.003 (J)		0.0028 (J)	0.0039 (J)	0.22	0.0031 (J)	
10/5/2018			0.0048 (J)					0.0044 (J)
4/8/2019			0.0016 (J)		0.0013 (J)	0.051	0.0012 (J)	0.0016 (J)
4/9/2019	0.0041 (J)	<0.01		<0.01				
10/1/2019	0.0078 (J)	0.0054 (J)	0.0057 (J)	0.0053 (J)	0.0056 (J)	0.12	0.0055 (J)	0.0052 (J)
3/26/2020			<0.01					
3/27/2020							<0.01	<0.01
3/30/2020						0.051		
3/31/2020	<0.01	<0.01		<0.01	<0.01			
9/23/2020		<0.01	0.0022 (J)					
9/24/2020	0.0046 (J)					0.07	<0.01	<0.01
9/25/2020				<0.01	<0.01			
3/9/2021	0.0033 (J)	<0.01	<0.01	<0.01	<0.01	0.057	<0.01	<0.01

FIGURE B.

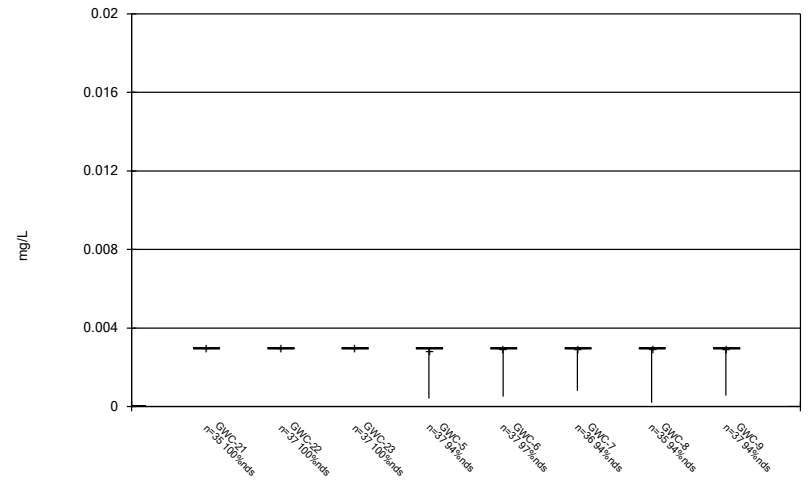


Box & Whiskers Plot



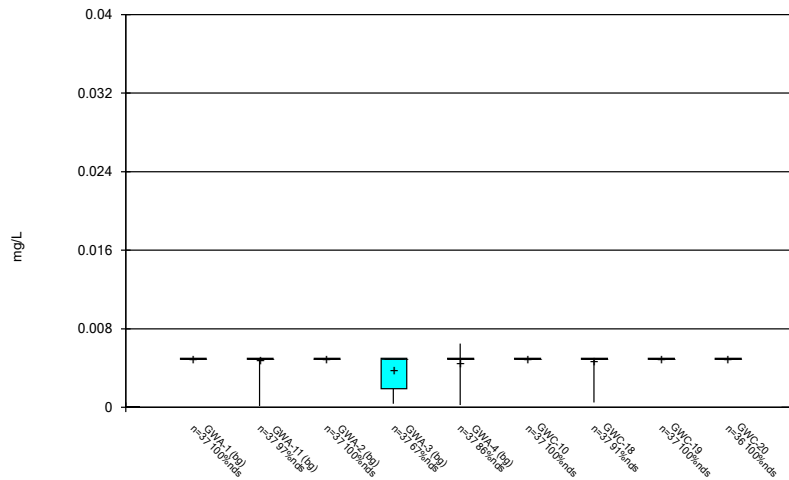
Constituent: Antimony Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



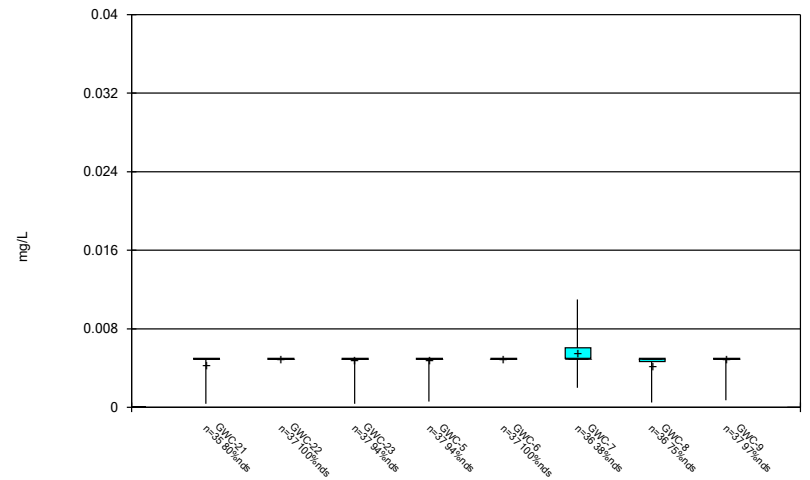
Constituent: Antimony Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



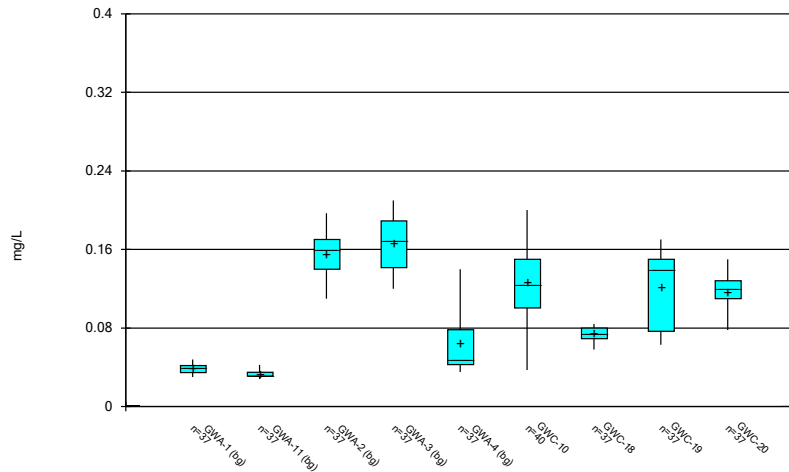
Constituent: Arsenic Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



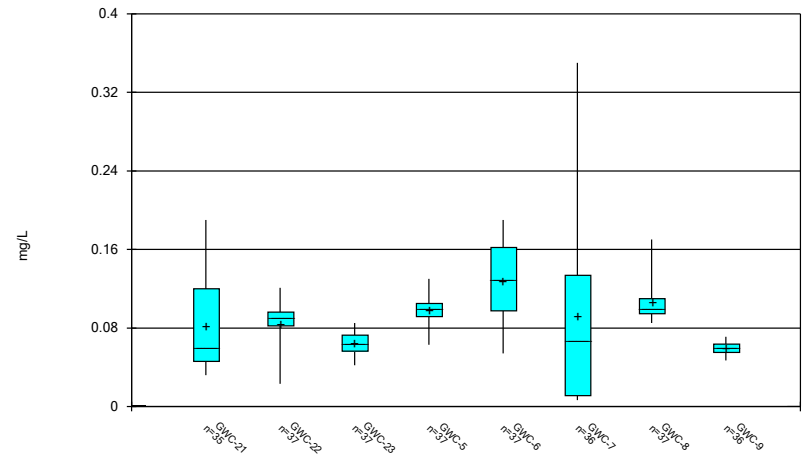
Constituent: Arsenic Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



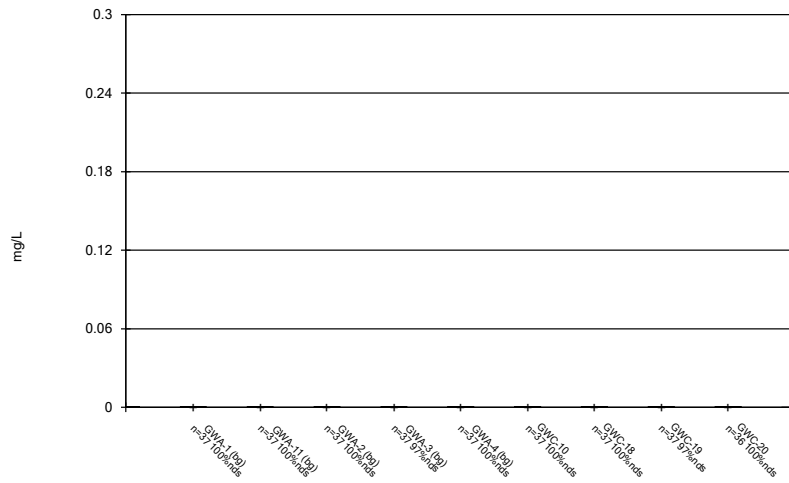
Constituent: Barium Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



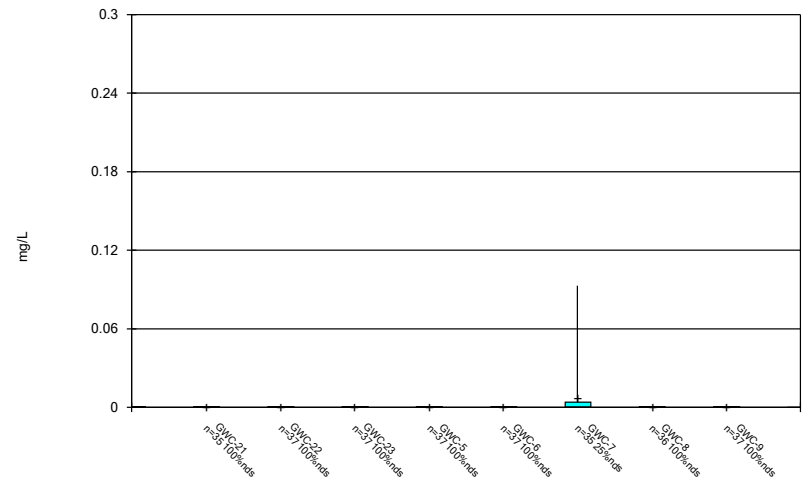
Constituent: Barium Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



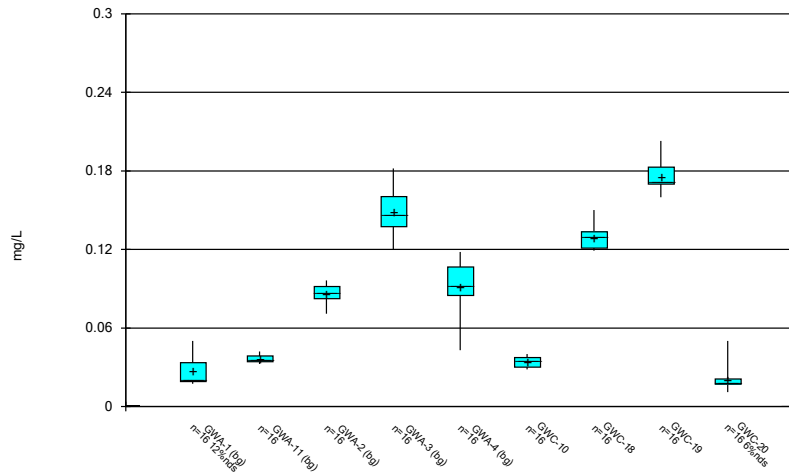
Constituent: Beryllium Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



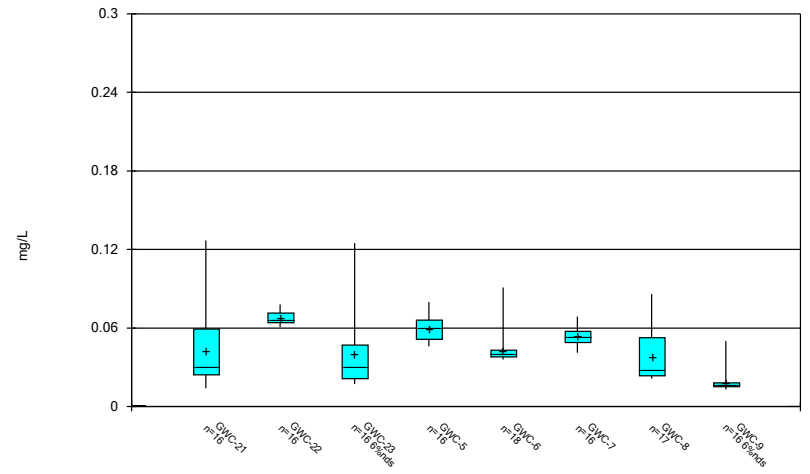
Constituent: Beryllium Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



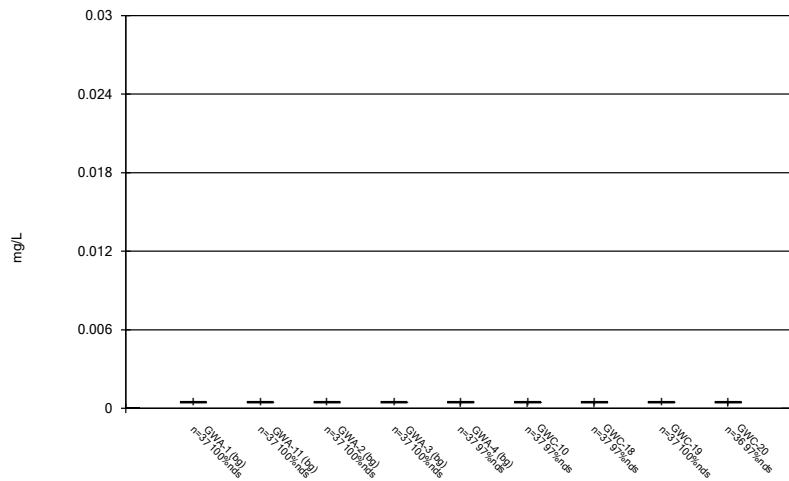
Constituent: Boron Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



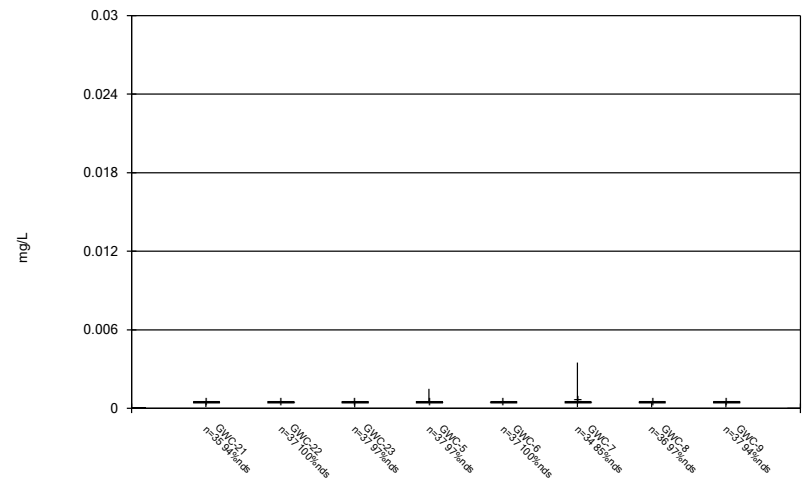
Constituent: Boron Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



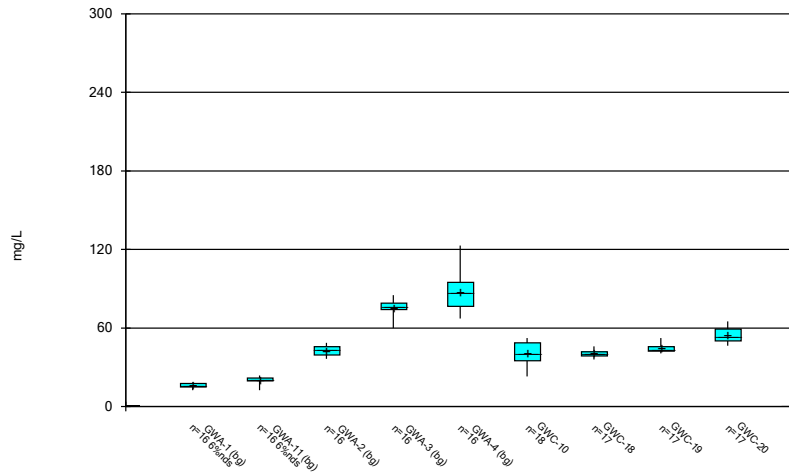
Constituent: Cadmium Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



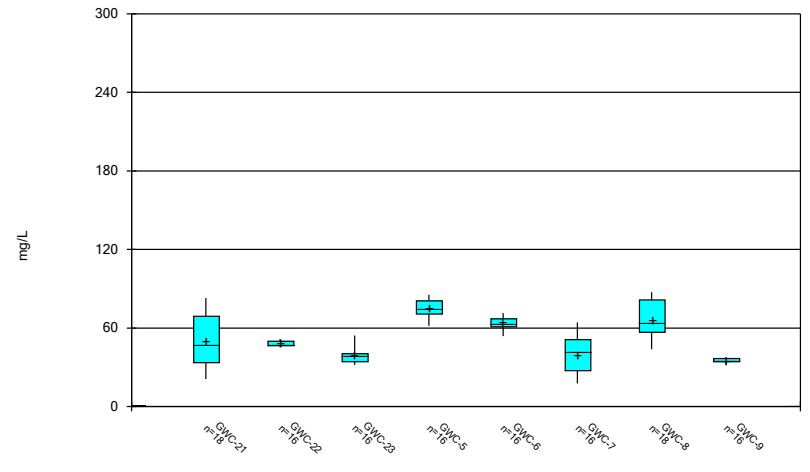
Constituent: Cadmium Analysis Run 4/1/2021 1:43 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



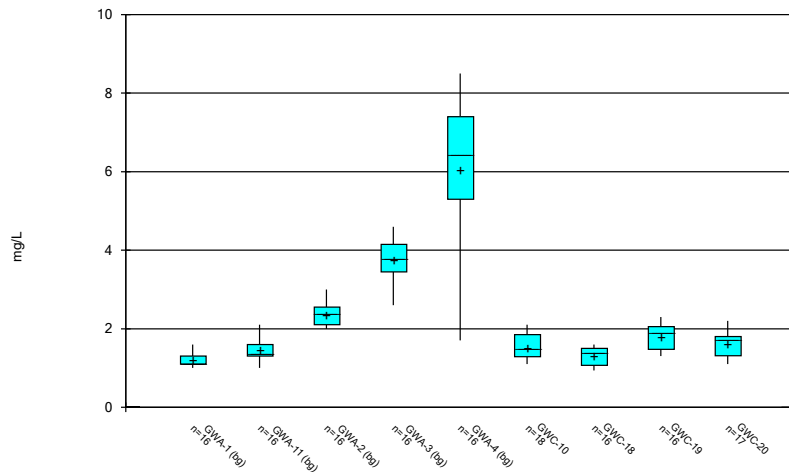
Constituent: Calcium Analysis Run 4/1/2021 1:43 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



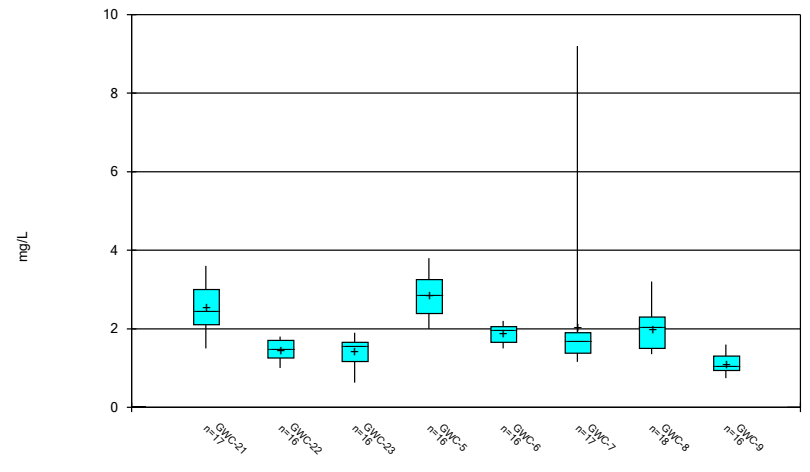
Constituent: Calcium Analysis Run 4/1/2021 1:43 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



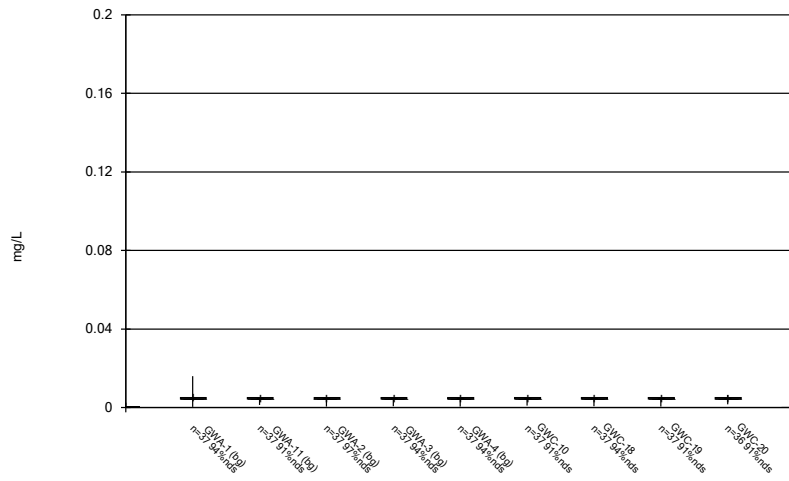
Constituent: Chloride Analysis Run 4/1/2021 1:43 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



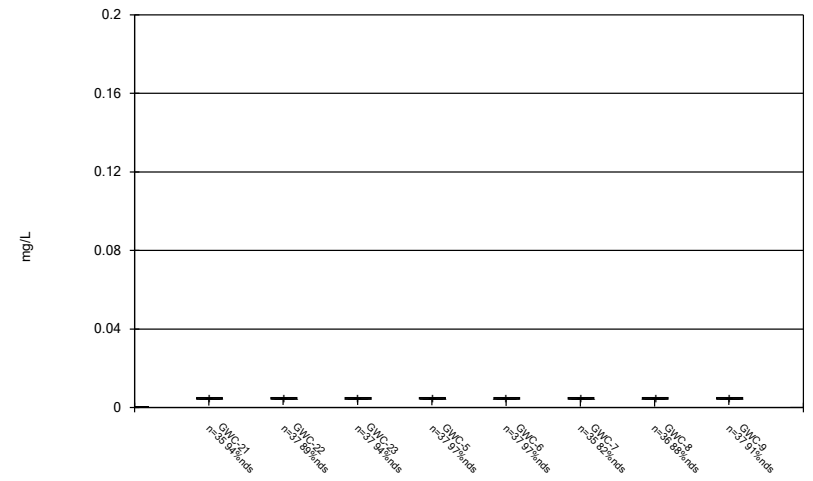
Constituent: Chloride Analysis Run 4/1/2021 1:43 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



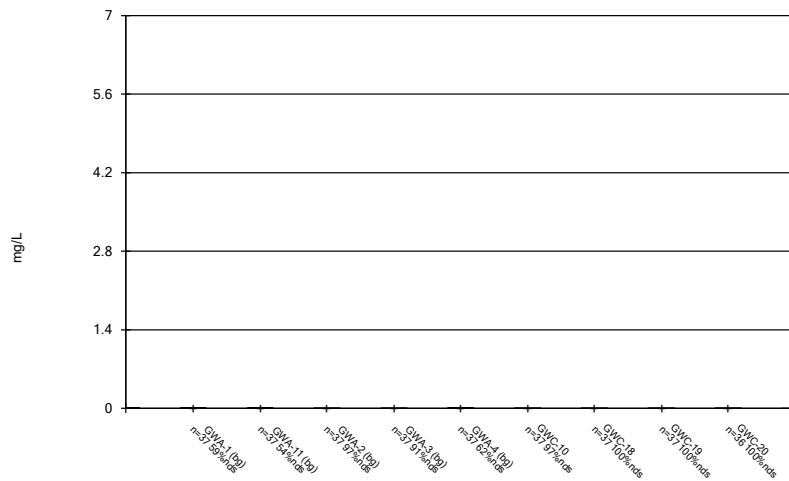
Constituent: Chromium Analysis Run 4/1/2021 1:43 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



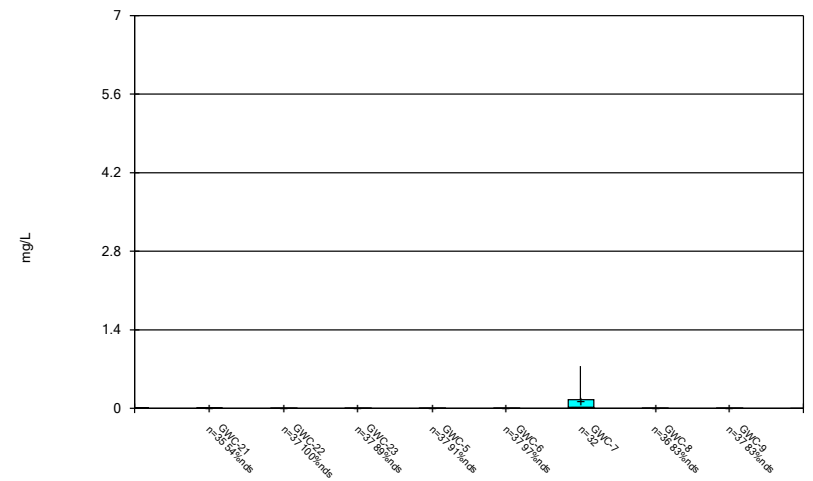
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



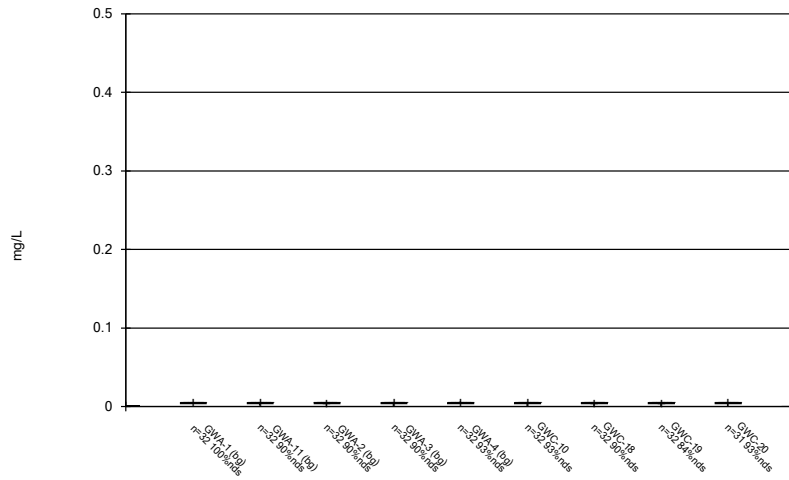
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



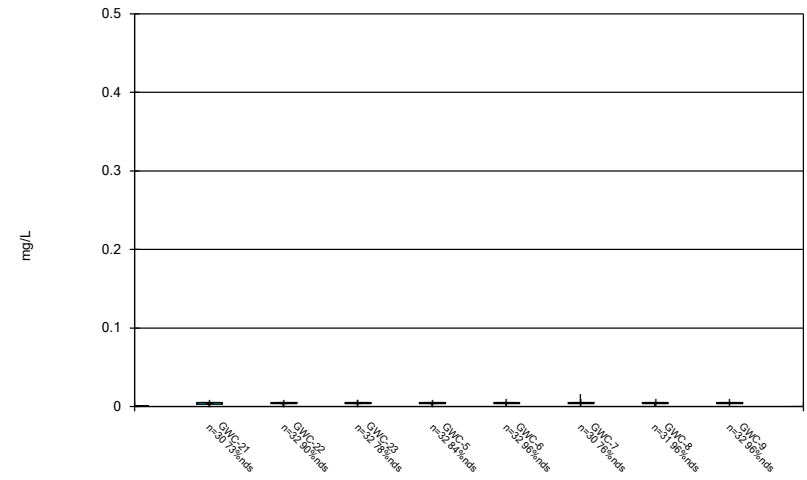
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



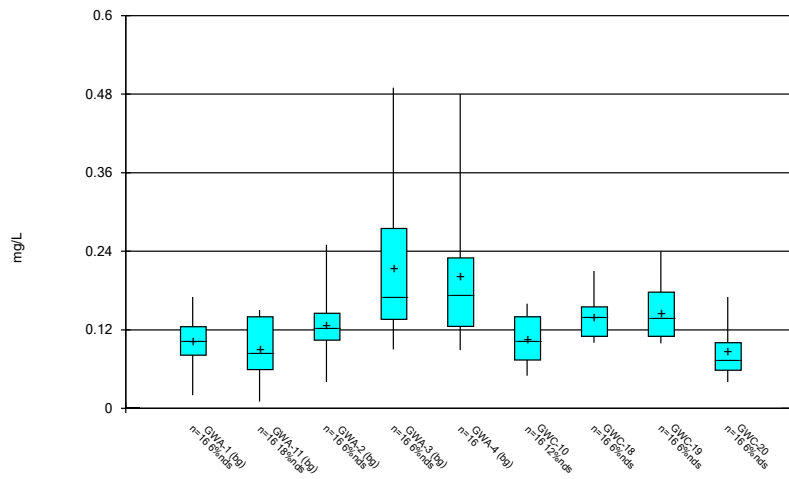
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



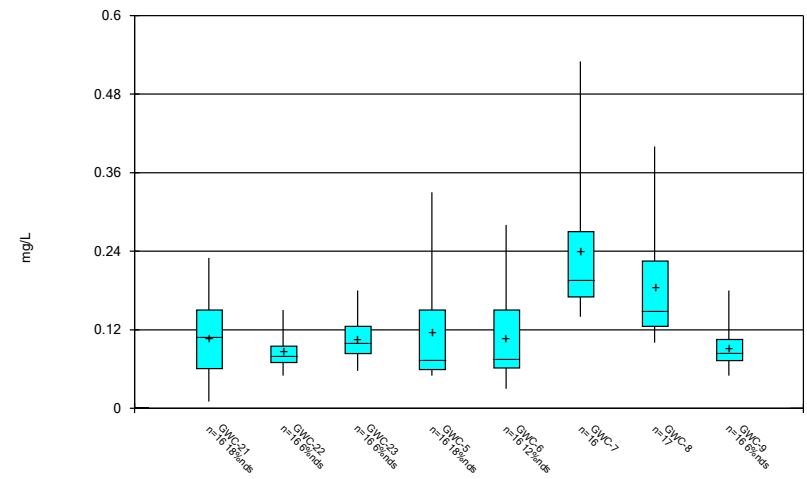
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



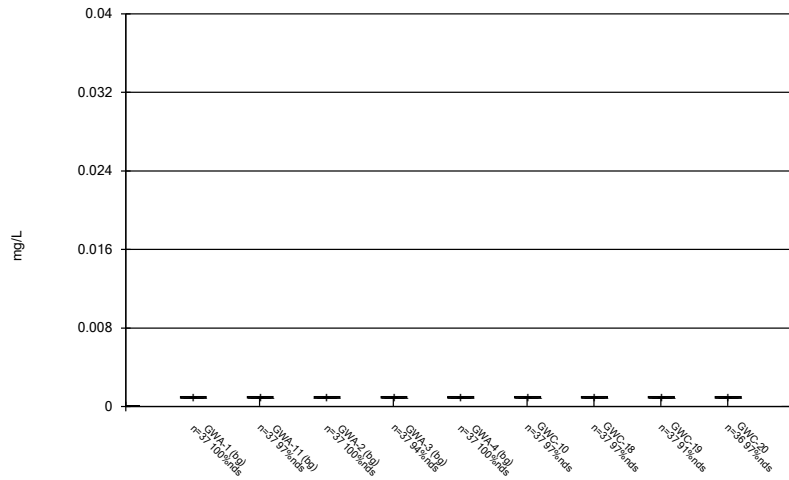
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



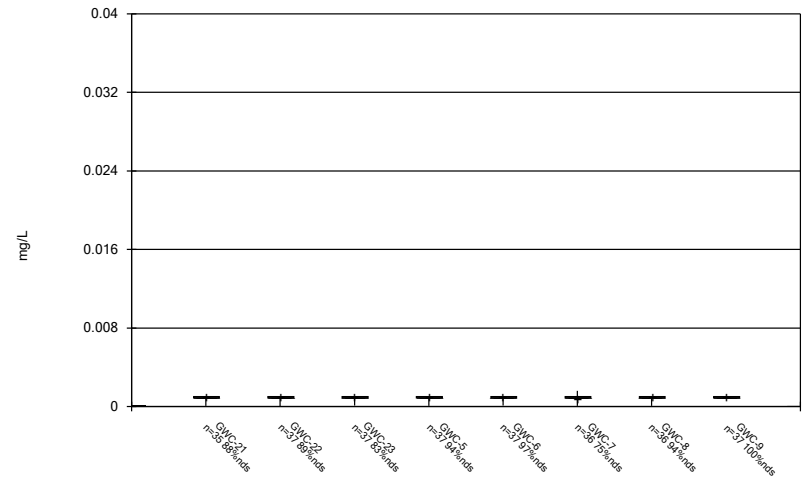
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



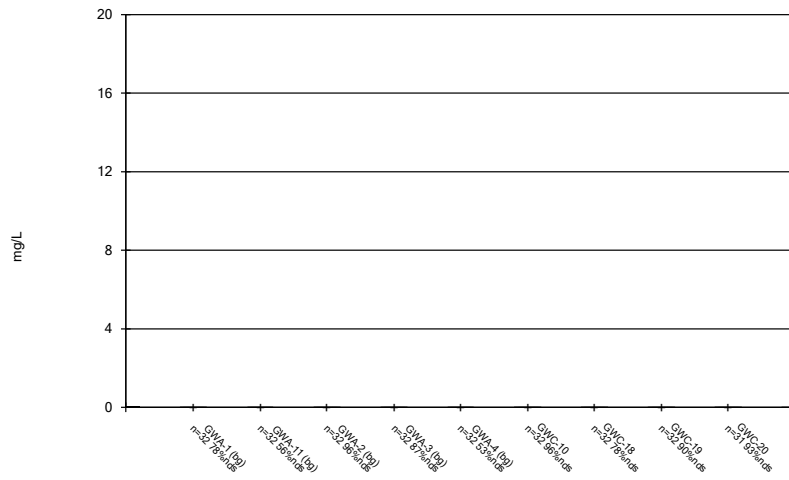
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



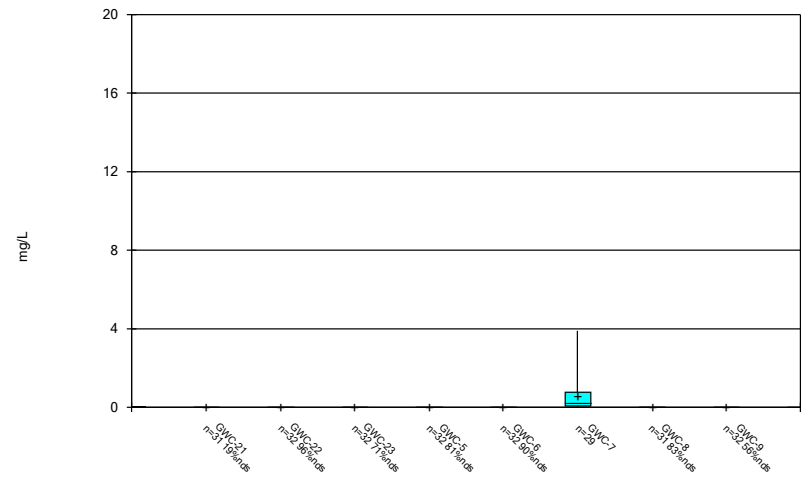
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



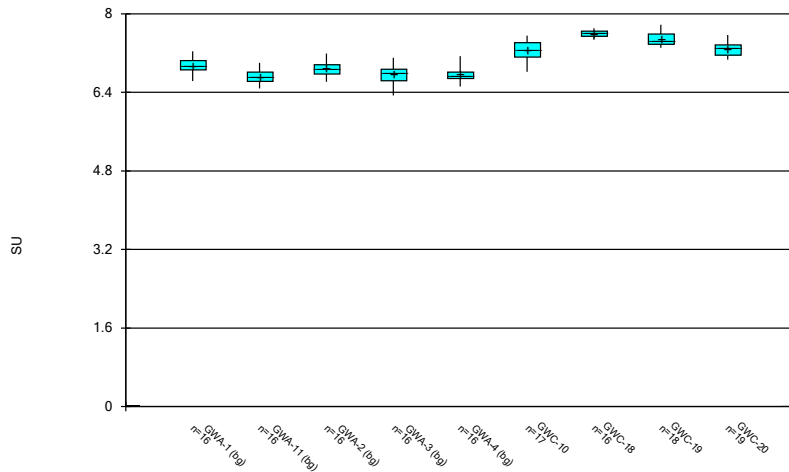
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



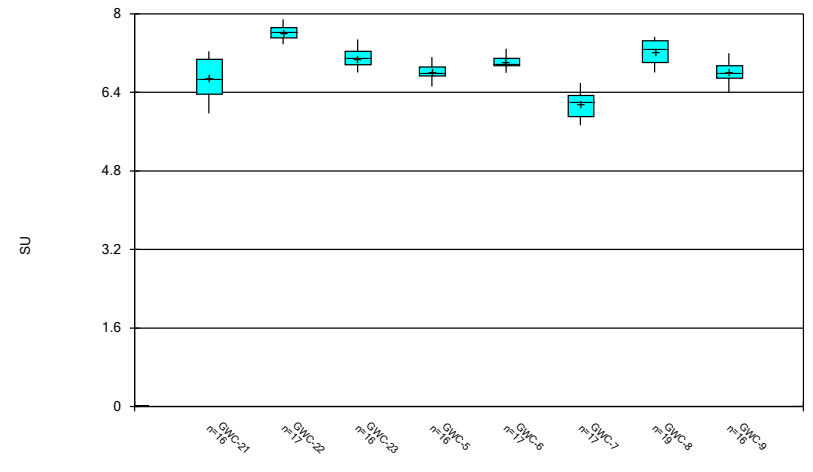
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



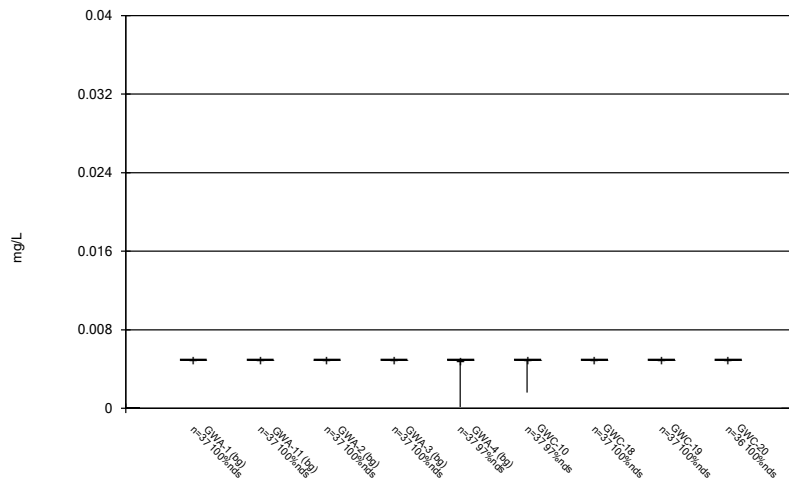
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



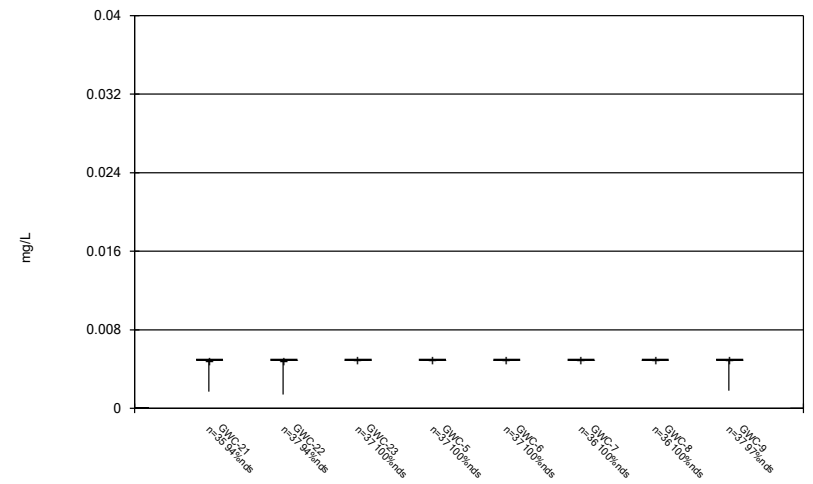
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



Constituent: Selenium Analysis Run 4/1/2021 1:43 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

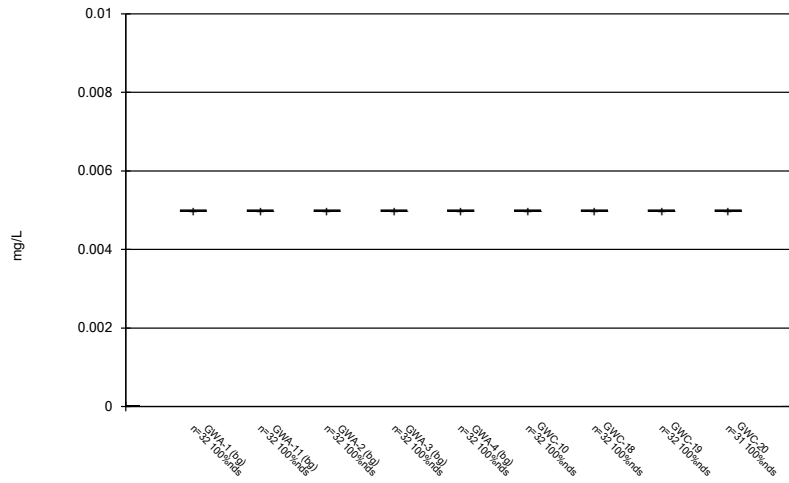
### Box & Whiskers Plot



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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

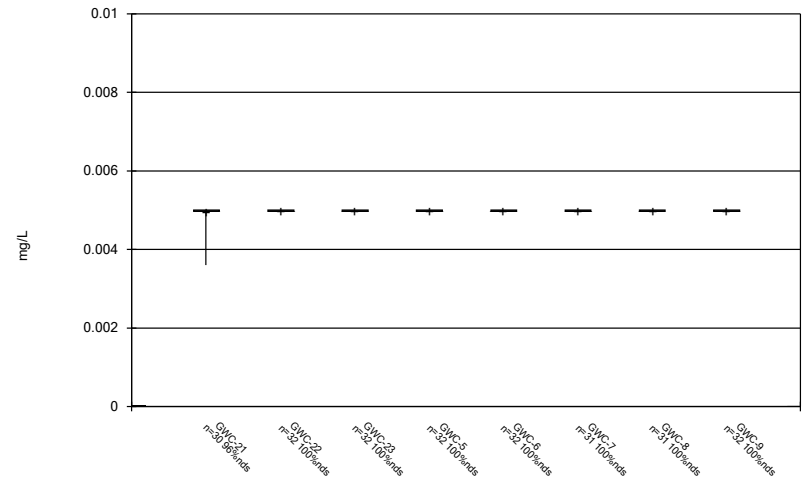


Box & Whiskers Plot



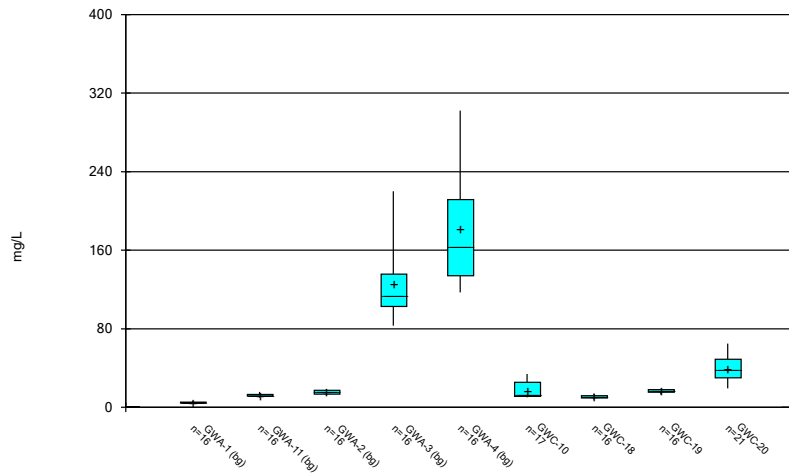
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



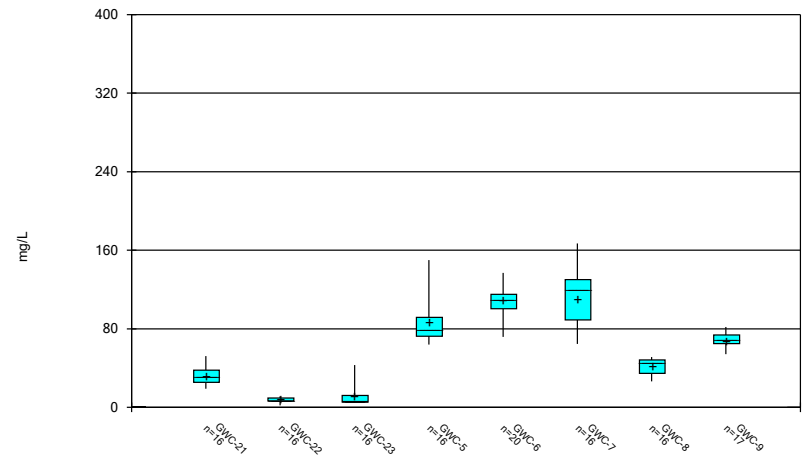
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



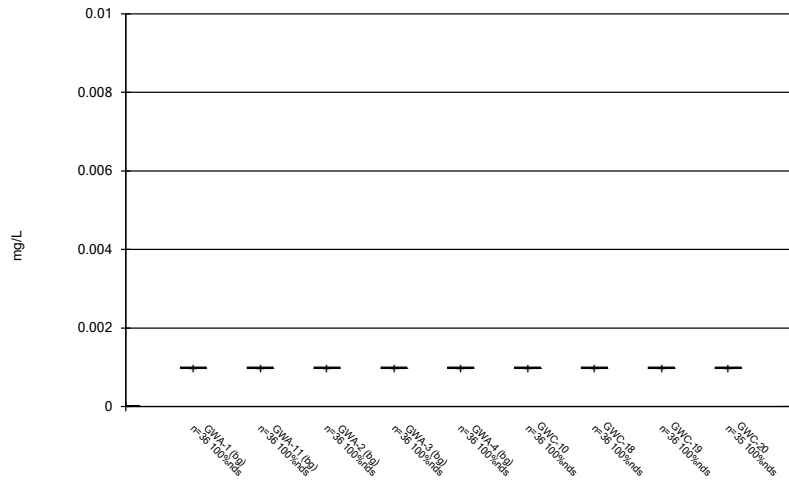
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



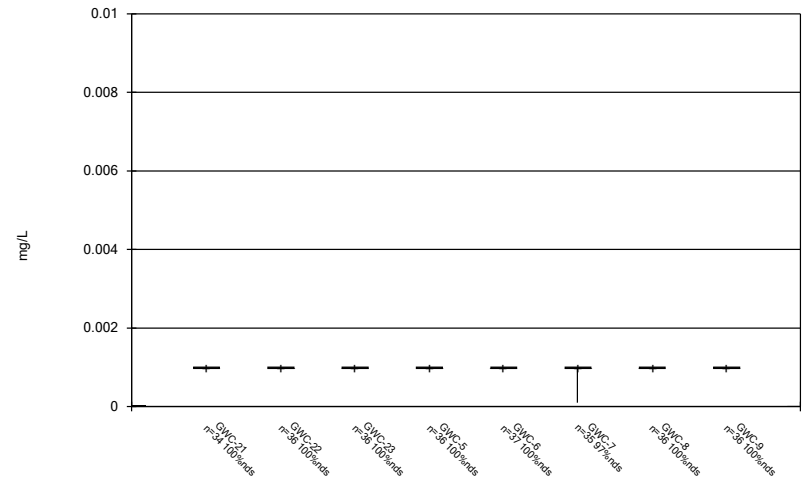
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



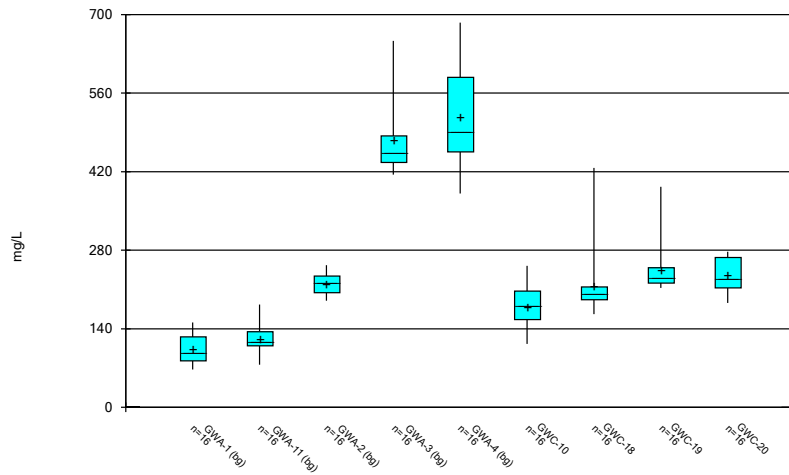
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



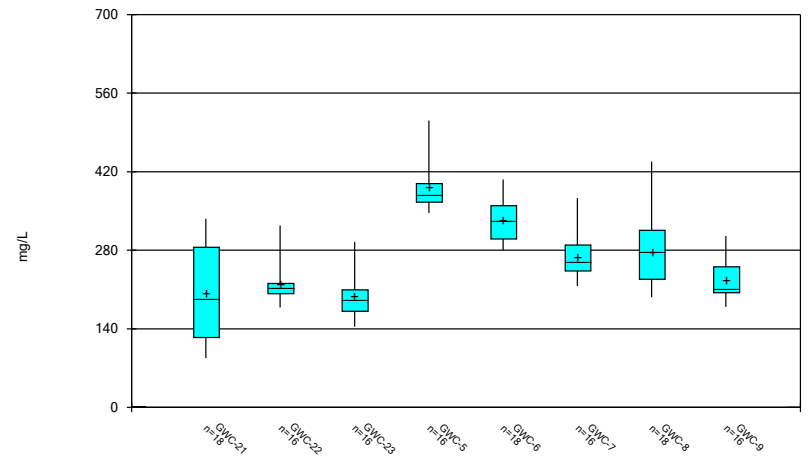
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



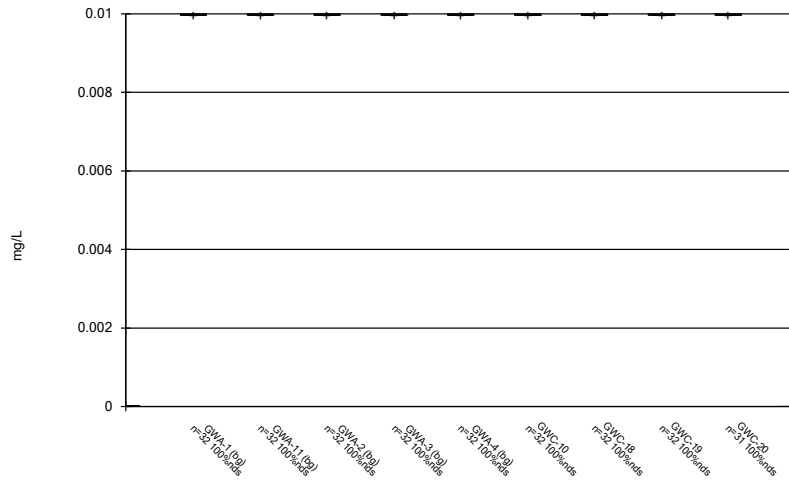
Constituent: Total Dissolved Solids Analysis Run 4/1/2021 1:44 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



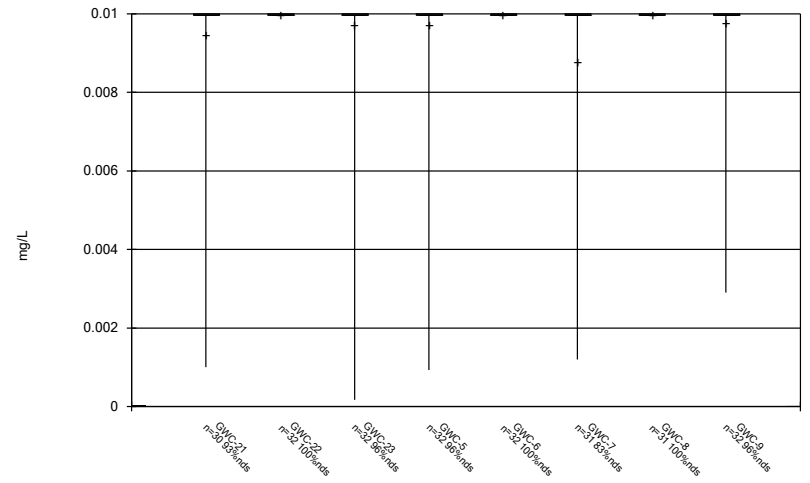
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



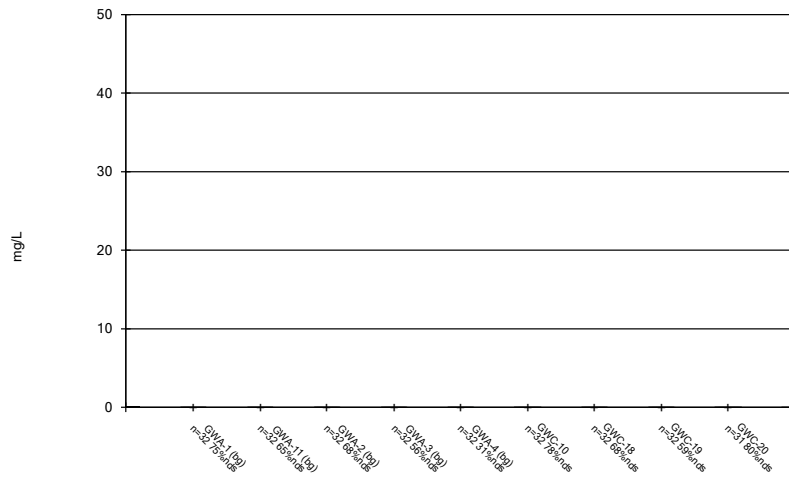
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



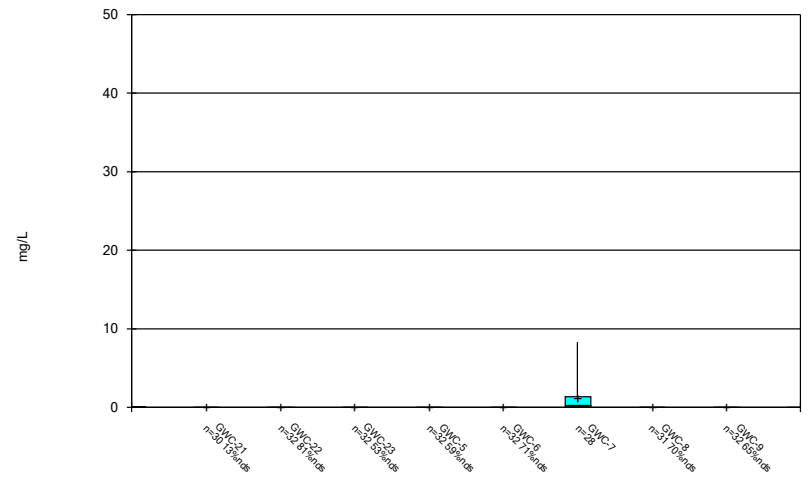
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



Constituent: Zinc Analysis Run 4/1/2021 1:44 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



Constituent: Zinc Analysis Run 4/1/2021 1:44 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

FIGURE C.

# Outlier Summary

Plant Hammond   Client: Southern Company   Data: Huffaker Road Landfill   Printed 4/1/2021, 1:45 PM

	GWC-8 Antimony (mg/L)	GWC-7 Arsenic (mg/L)	GWC-9 Barium (mg/L)	GWC-7 Beryllium (mg/L)	GWC-7 Cadmium (mg/L)	GWC-8 Calcium (mg/L)	GWC-20 Chloride (mg/L)	GWC-7 Chromium (mg/L)	GWC-7 Cobalt (mg/L)	GWC-7 Copper (mg/L)
5/9/2007	0.038 (o)		0.28 (o)	0.023 (o)			0.11 (o)	6.5 (o)	0.44 (o)	
7/6/2007				0.0081 (o)				2.1 (o)		
8/28/2007								1.4 (o)		
11/6/2007	0.0064 (o)							1.1 (o)		
4/5/2011		0.035 (o)								
10/5/2017						5.5 (o)				
10/4/2018					264 (o)					

	GWC-7 Nickel (mg/L)	GWC-7 Zinc (mg/L)
5/9/2007	18 (o)	45 (o)
7/6/2007	5.9 (o)	16 (o)
8/28/2007		11 (o)
11/6/2007		
4/5/2011		
10/5/2017		
10/4/2018		

FIGURE D.

# State Intrawell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 1:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-23	0.08464	n/a	3/9/2021	0.085	Yes	32	0.06272	0.009212	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-8	0.1227	n/a	3/9/2021	0.14	Yes	31	0.316	0.01439	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2

# State Intrawell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 1:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.003	n/a	3/8/2021	0.003ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-11	0.003	n/a	3/8/2021	0.0005J	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-2	0.003	n/a	3/9/2021	0.003ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-3	0.003	n/a	3/8/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4	0.003	n/a	3/8/2021	0.0016J	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10	0.003	n/a	3/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	3/9/2021	0.003ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-19	0.003	n/a	3/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-5	0.003	n/a	3/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.003	n/a	3/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-7	0.003	n/a	3/9/2021	0.003ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8	0.003	n/a	3/9/2021	0.003ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	3/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-11	0.005	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3	0.005	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4	0.0065	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21	0.005	n/a	3/9/2021	0.005ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7	0.0088	n/a	3/9/2021	0.0052	No	30	n/a	n/a	46.67	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-8	0.005	n/a	3/9/2021	0.0018J	No	31	n/a	n/a	87.1	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.05021	n/a	3/8/2021	0.035	No	32	0.03919	0.00463	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-11	0.04217	n/a	3/8/2021	0.031	No	32	-3.4	0.09826	0	None	ln(x)	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.1987	n/a	3/9/2021	0.17	No	23	0.1657	0.01314	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-3	0.2268	n/a	3/8/2021	0.12	No	32	0.1719	0.02304	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-4	0.14	n/a	3/8/2021	0.052	No	32	n/a	n/a	0	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-10	0.1952	n/a	3/9/2021	0.15	No	34	0.1271	0.02885	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.08974	n/a	3/9/2021	0.077	No	32	0.07311	0.006987	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-19	0.1697	n/a	3/10/2021	0.15	No	23	0.0003879	0.000176	0	None	x^4	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-20	0.1358	n/a	3/10/2021	0.13	No	31	0.001502	0.0004195	0	None	x^3	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-21	0.2404	n/a	3/9/2021	0.12	No	30	-2.722	0.5402	0	None	ln(x)	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-22	0.121	n/a	3/9/2021	0.089	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-23</b>	<b>0.08464</b>	<b>n/a</b>	<b>3/9/2021</b>	<b>0.085</b>	<b>Yes</b>	<b>32</b>	<b>0.06272</b>	<b>0.009212</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-5	0.1274	n/a	3/9/2021	0.063	No	32	0.1019	0.01074	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.1978	n/a	3/9/2021	0.17	No	11	0.1654	0.01034	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-7	0.4063	n/a	3/9/2021	0.31	No	19	0.3226	0.1206	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-8</b>	<b>0.1227</b>	<b>n/a</b>	<b>3/9/2021</b>	<b>0.14</b>	<b>Yes</b>	<b>31</b>	<b>0.316</b>	<b>0.01439</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-9	0.07338	n/a	3/9/2021	0.059	No	20	0.06193	0.00445	0	None	No	0.0002926	Param Intra 1 of 2
Beryllium (mg/L)	GWA-3	0.0005	n/a	3/8/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19	0.0005	n/a	3/10/2021	0.0005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-7	0.093	n/a	3/9/2021	0.0005ND	No	30	n/a	n/a	23.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Cadmium (mg/L)	GWA-4	0.0005	n/a	3/8/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10	0.0005	n/a	3/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0005	n/a	3/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-20	0.0005	n/a	3/10/2021	0.0005ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21	0.0005	n/a	3/9/2021	0.0005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-23	0.0005	n/a	3/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-5	0.0015	n/a	3/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-7	0.0035	n/a	3/9/2021	0.0005ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8	0.0005	n/a	3/9/2021	0.0005ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-9	0.0005	n/a	3/9/2021	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.016	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-11	0.005	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2





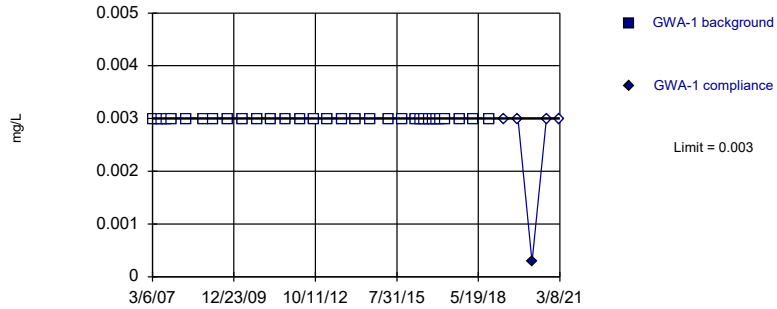
# State Intrawell Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 4/1/2021, 1:24 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-1	0.005	n/a	3/8/2021	0.005ND	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-11	0.01	n/a	3/8/2021	0.001J	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-3	0.005	n/a	3/8/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4	0.0055	n/a	3/8/2021	0.005ND	No	27	n/a	n/a	59.26	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0062	n/a	3/10/2021	0.005ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.005	n/a	3/10/2021	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21	0.01035	n/a	3/9/2021	0.0013J	No	26	0.1566	0.02496	23.08	Kaplan-Meier	x^(1/3)	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-22	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.005	n/a	3/9/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.3321	n/a	3/9/2021	0.035	No	12	0.133	0.06625	0	None	No	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.005	n/a	3/9/2021	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-9	0.01	n/a	3/9/2021	0.0014J	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-4	0.005	n/a	3/8/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-10	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.005	n/a	3/9/2021	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-22	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	3/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-21	0.005	n/a	3/9/2021	0.005ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-7	0.001	n/a	3/9/2021	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21	0.01	n/a	3/9/2021	0.01ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-7	0.01	n/a	3/9/2021	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.01	n/a	3/8/2021	0.01ND	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-11	0.01	n/a	3/8/2021	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-2	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-3	0.01	n/a	3/8/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-4	0.02	n/a	3/8/2021	0.0034J	No	27	n/a	n/a	33.33	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-10	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.013	n/a	3/10/2021	0.01ND	No	27	n/a	n/a	59.26	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.01	n/a	3/10/2021	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-21	0.02	n/a	3/9/2021	0.0033J	No	25	n/a	n/a	12	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-22	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-23	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.6123	n/a	3/9/2021	0.057	No	12	0.2426	0.123	0	None	No	0.0002926	Param Intra 1 of 2
Zinc (mg/L)	GWC-8	0.01	n/a	3/9/2021	0.01ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-9	0.01	n/a	3/9/2021	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2

Within Limit

### Prediction Limit Intrawell Non-parametric

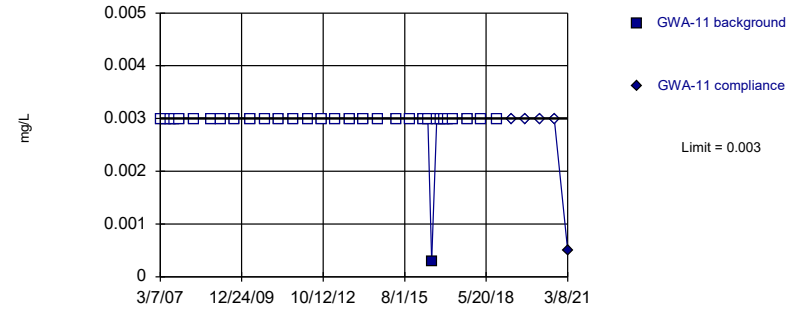


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

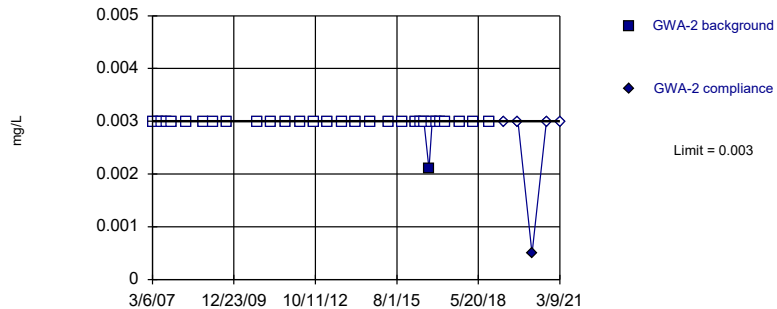


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

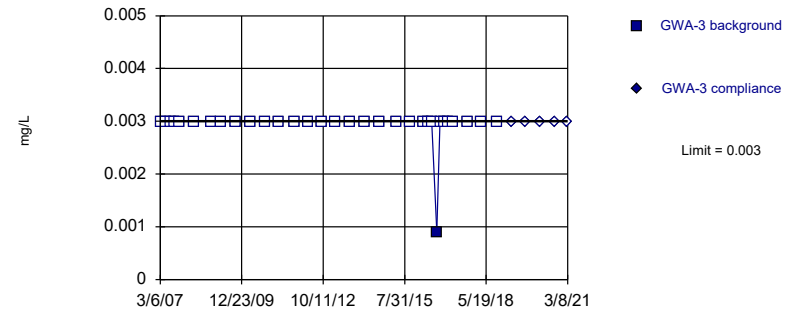


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

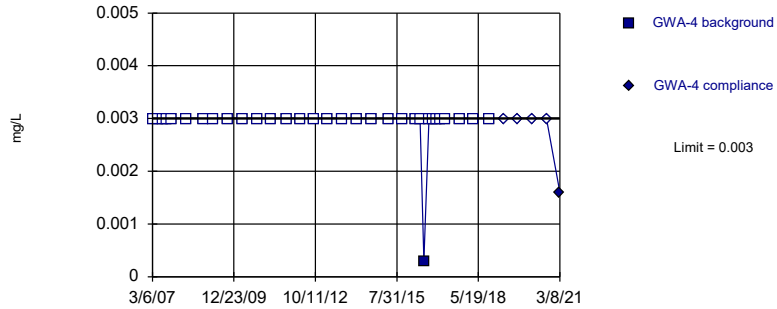


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

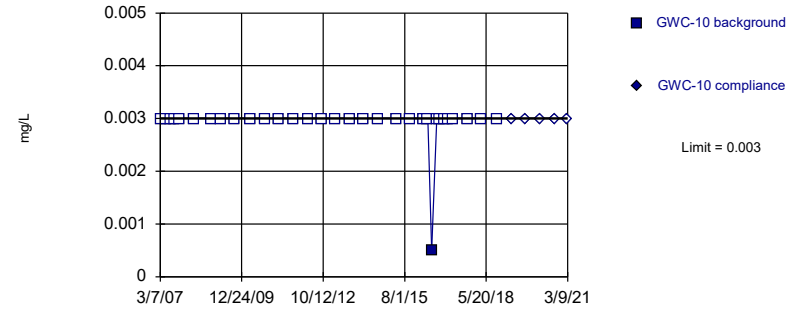


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

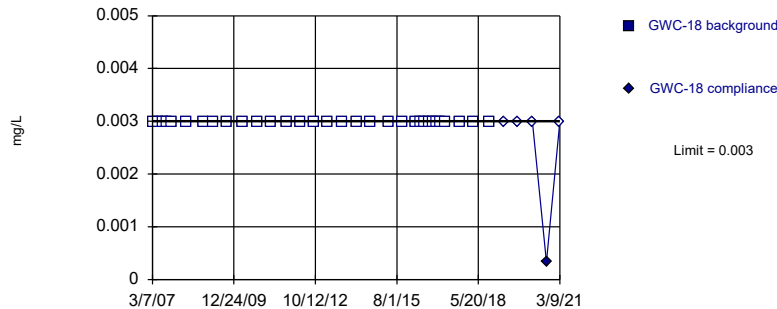


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

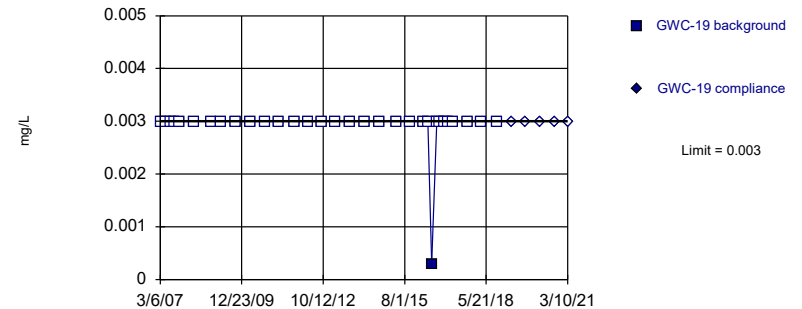


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

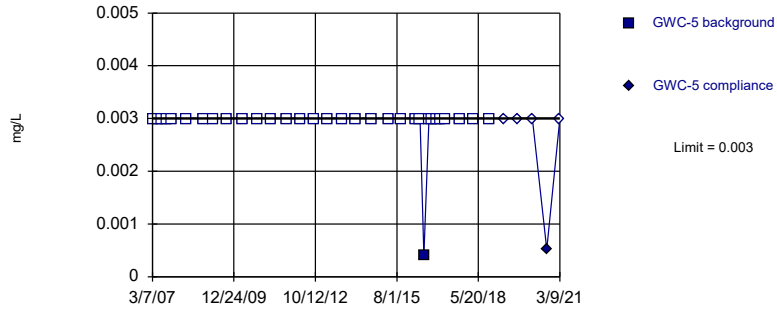


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

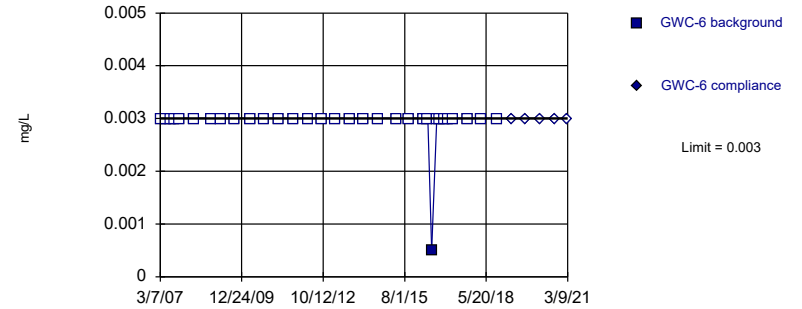


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

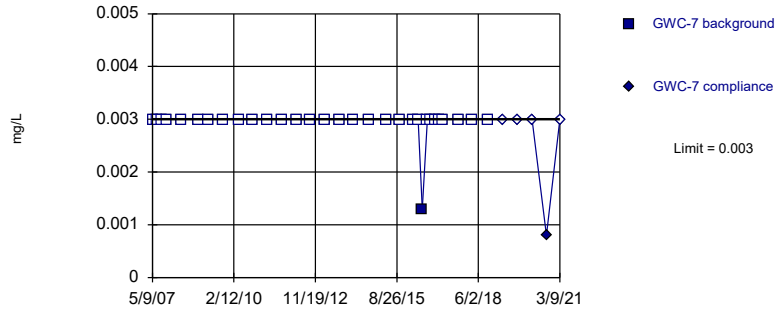


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

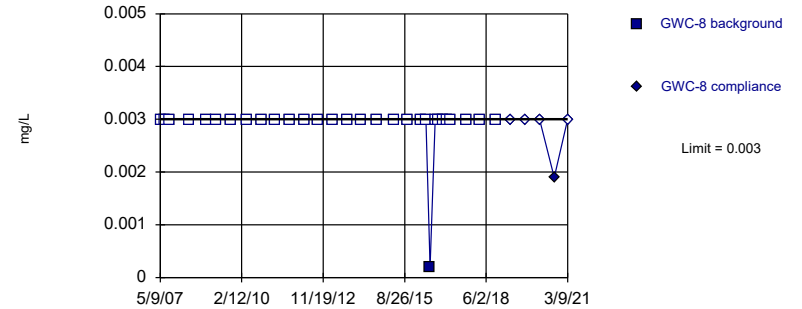


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

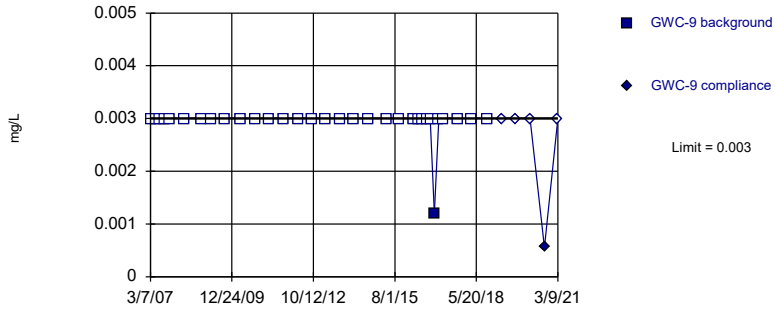


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

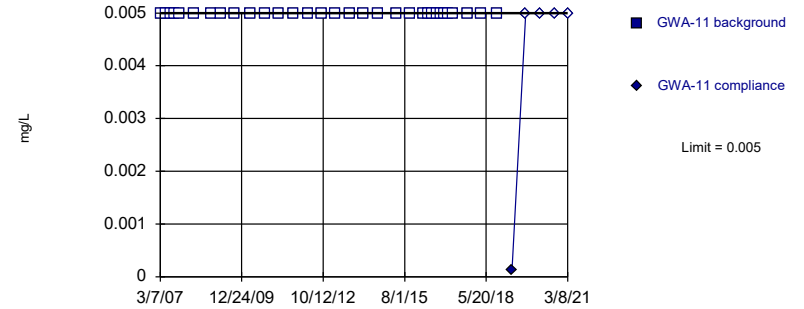


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

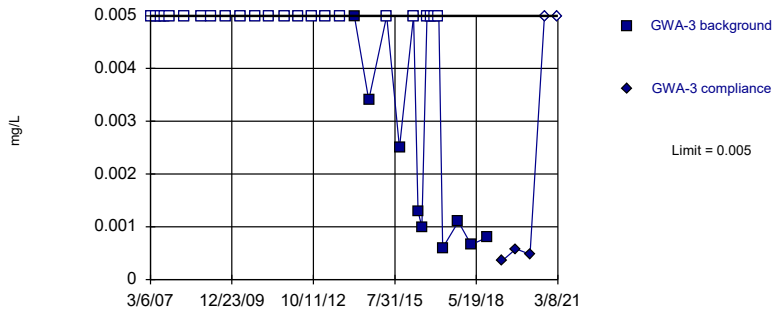


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

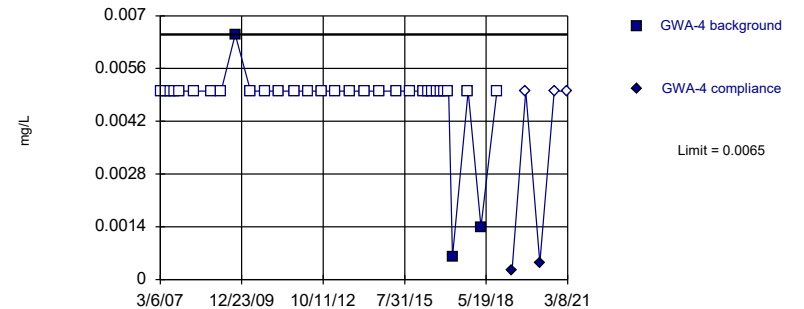


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

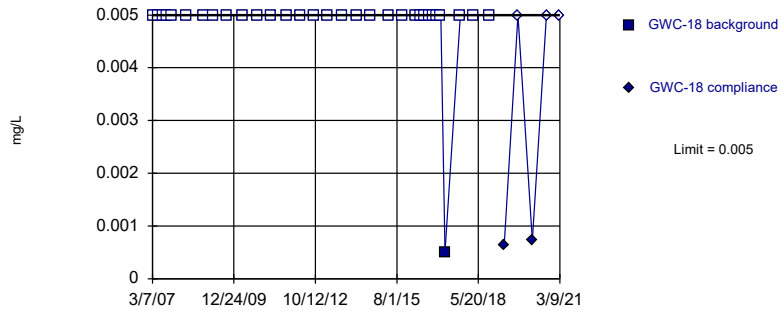


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

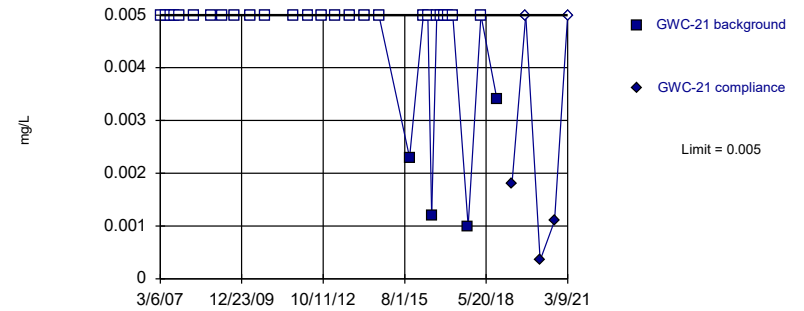


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

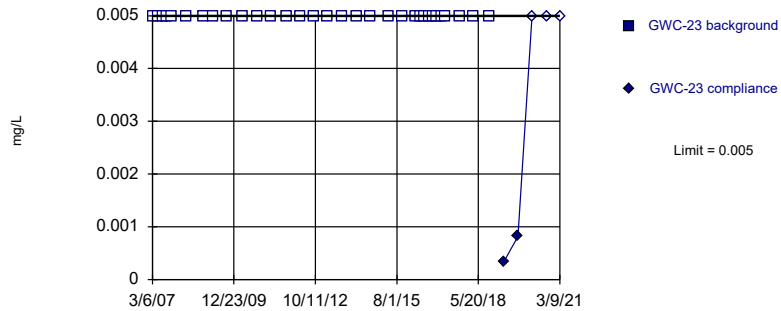


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

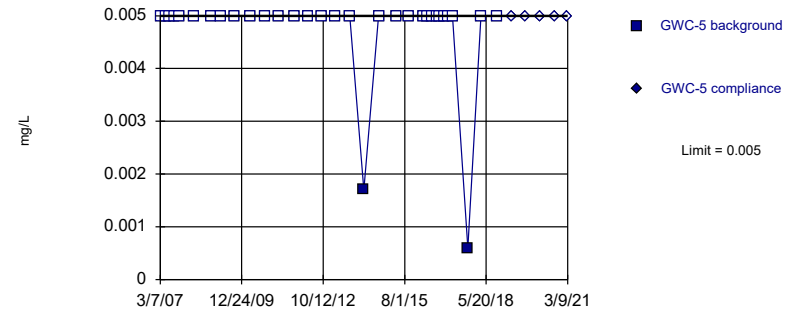


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

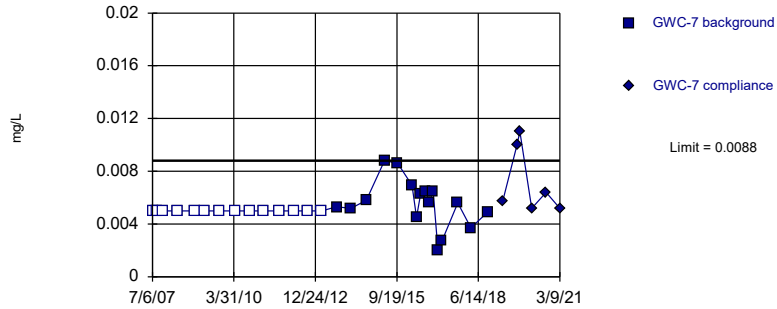


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

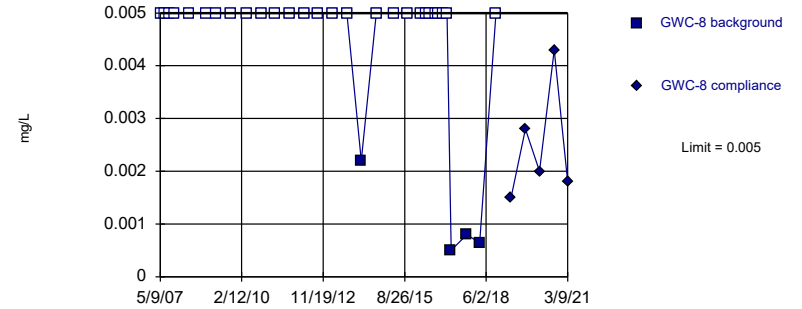


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

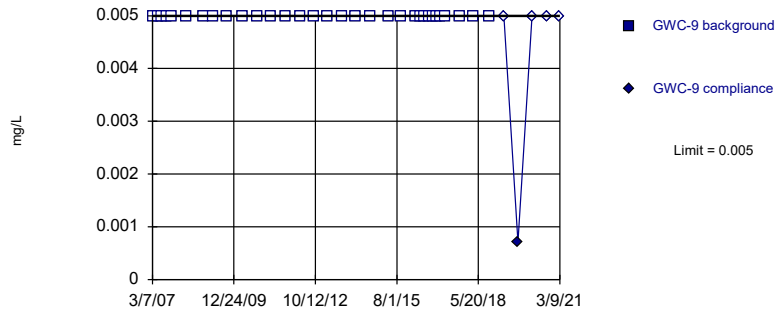


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Arsenic Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

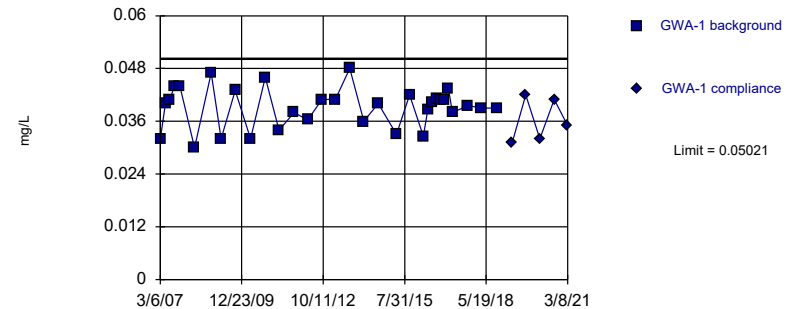


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



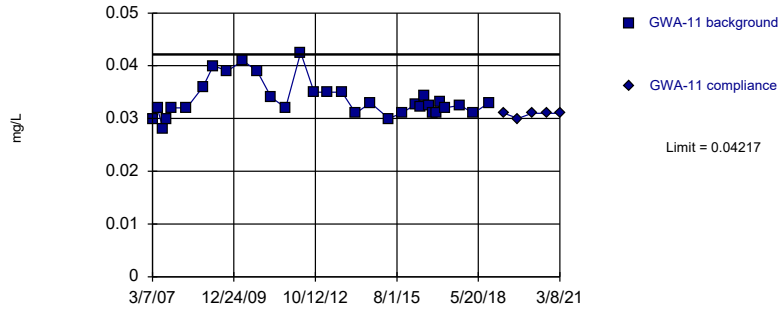
Background Data Summary: Mean=0.03919, Std. Dev.=0.00463, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9563, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

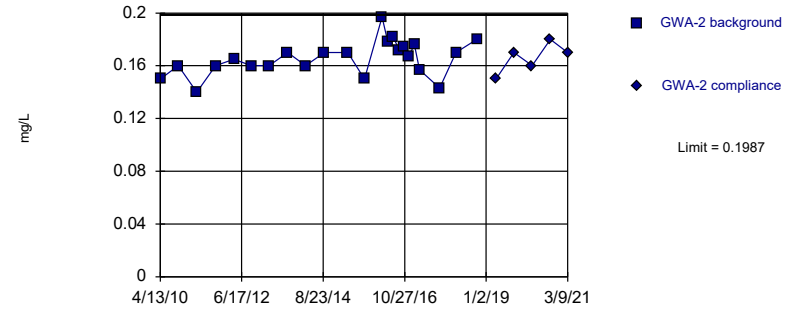


Background Data Summary (based on natural log transformation): Mean=-3.4, Std. Dev.=0.09826, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9108, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

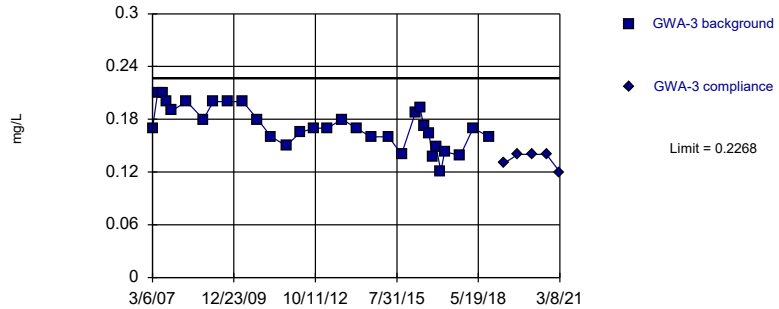


Background Data Summary: Mean=0.1657, Std. Dev.=0.01314, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.881. Kappa = 2.512 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

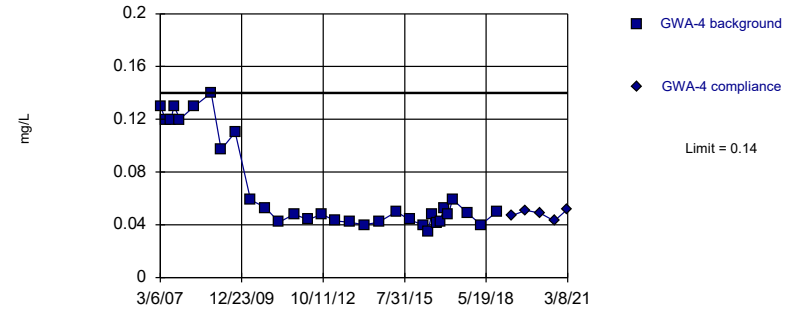


Background Data Summary: Mean=0.1719, Std. Dev.=0.02304, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9617, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

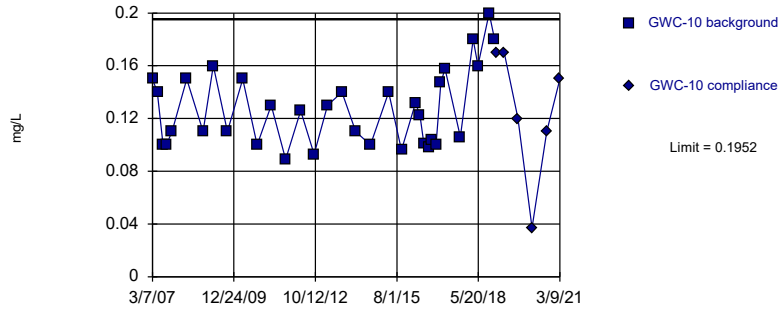


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

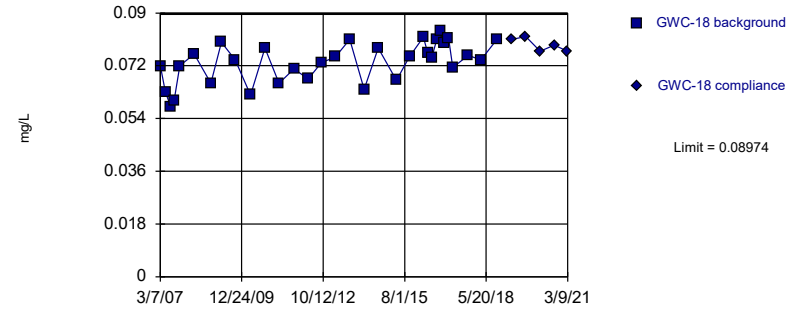


Background Data Summary: Mean=0.1271, Std. Dev.=0.02885, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9143, critical = 0.908. Kappa = 2.36 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

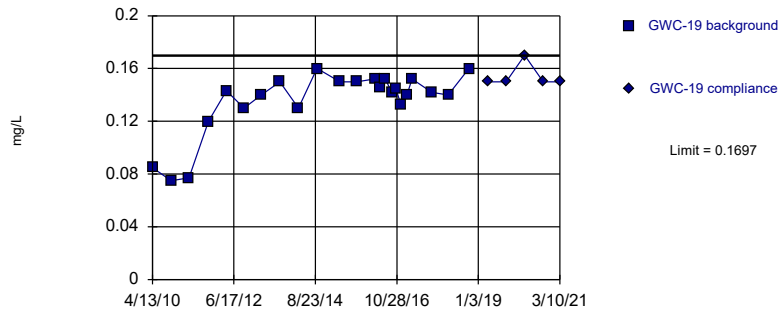


Background Data Summary: Mean=0.07311, Std. Dev.=0.006987, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.946, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

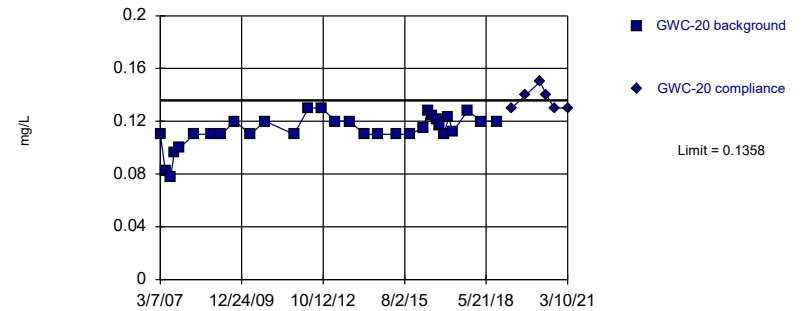


Background Data Summary (based on x^4 transformation): Mean=0.0003879, Std. Dev.=0.000176, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9161, critical = 0.881. Kappa = 2.512 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

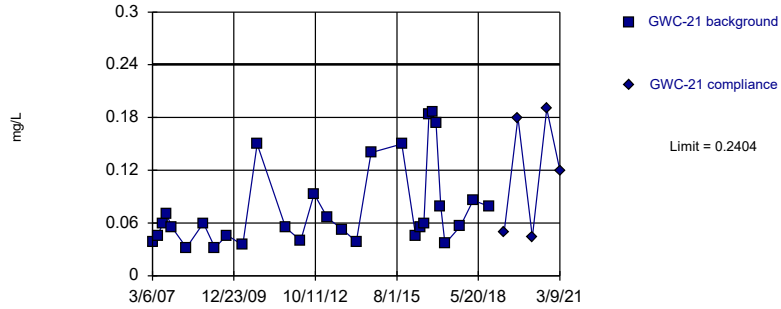


Background Data Summary (based on cube transformation): Mean=0.001502, Std. Dev.=0.0004195, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9239, critical = 0.902. Kappa = 2.39 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

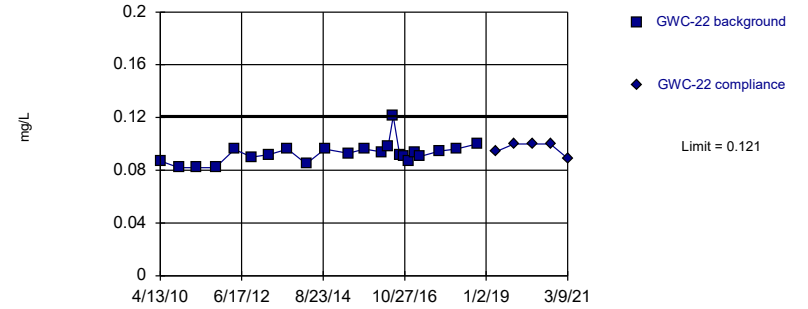


Background Data Summary (based on natural log transformation): Mean=-2.722, Std. Dev.=0.5402, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9034, critical = 0.9. Kappa = 2.4 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

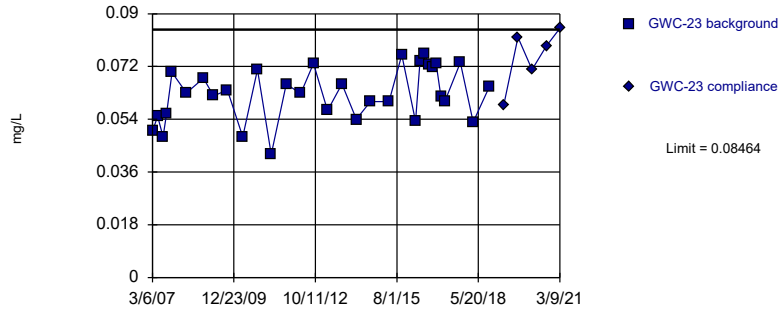


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

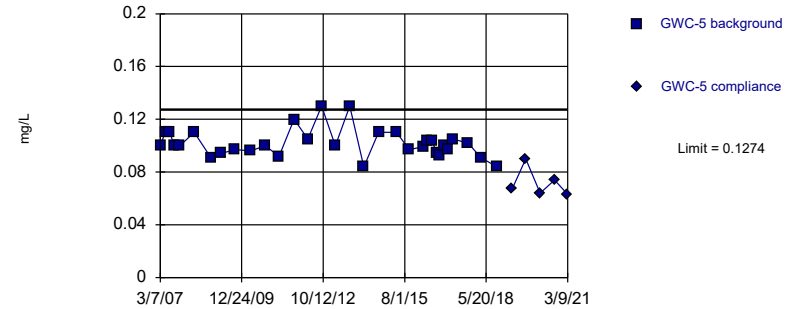


Background Data Summary: Mean=0.06272, Std. Dev.=0.009212, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:18 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

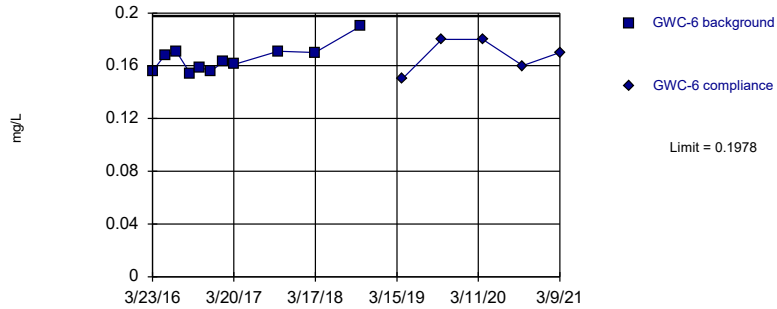


Background Data Summary: Mean=0.1019, Std. Dev.=0.01074, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9137, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

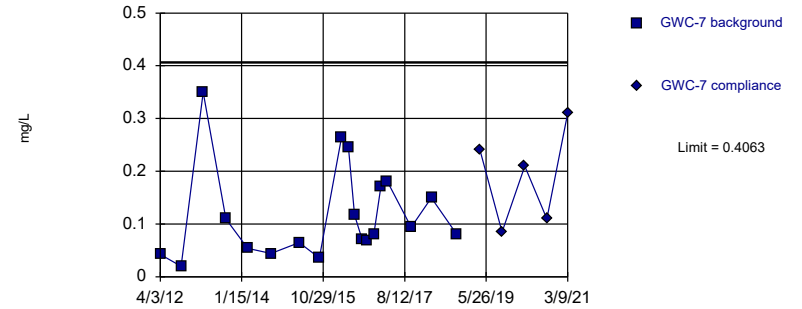


Background Data Summary: Mean=0.1654, Std. Dev.=0.01034, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8754, critical = 0.792. Kappa = 3.135 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

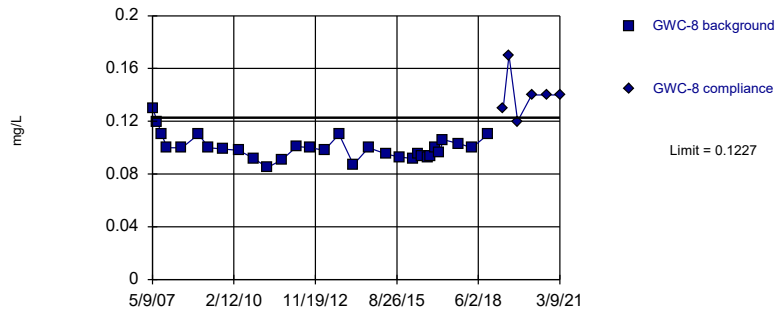


Background Data Summary (based on square root transformation): Mean=0.3226, Std. Dev.=0.1206, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.863. Kappa = 2.611 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

### Prediction Limit Intrawell Parametric

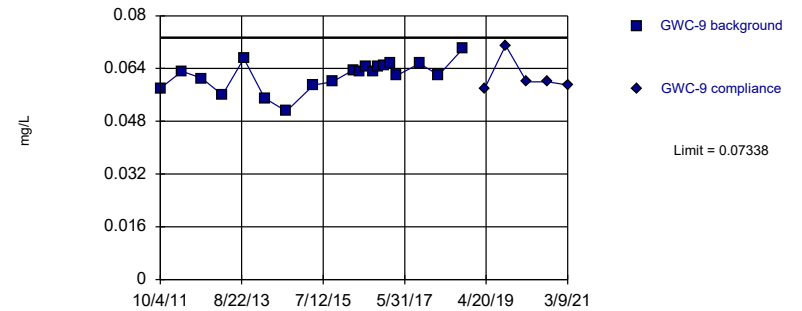


Background Data Summary (based on square root transformation): Mean=0.316, Std. Dev.=0.01439, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9173, critical = 0.902. Kappa = 2.39 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

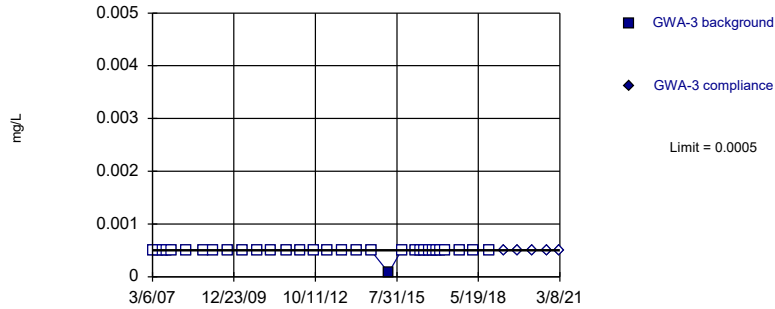


Background Data Summary: Mean=0.06193, Std. Dev.=0.00445, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9577, critical = 0.868. Kappa = 2.575 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

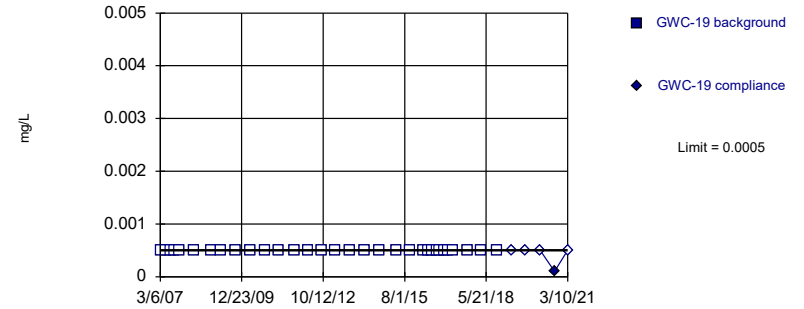


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Beryllium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

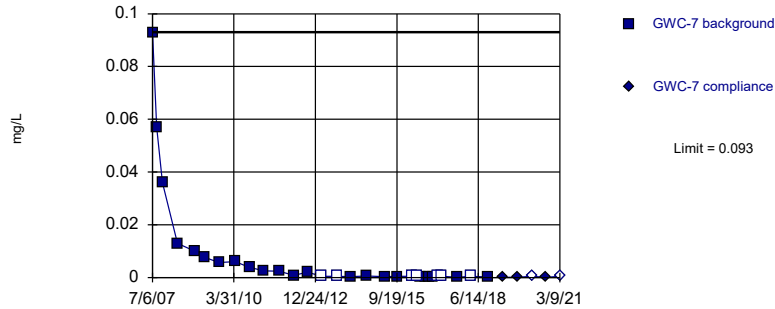


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Beryllium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

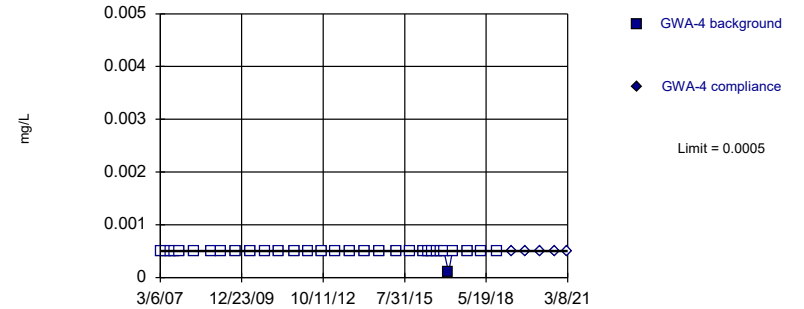


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 23.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

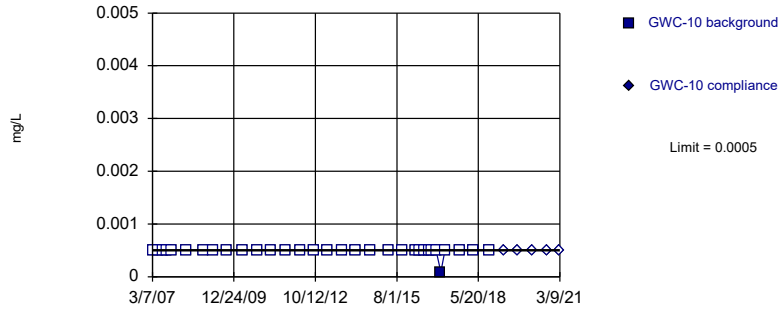


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

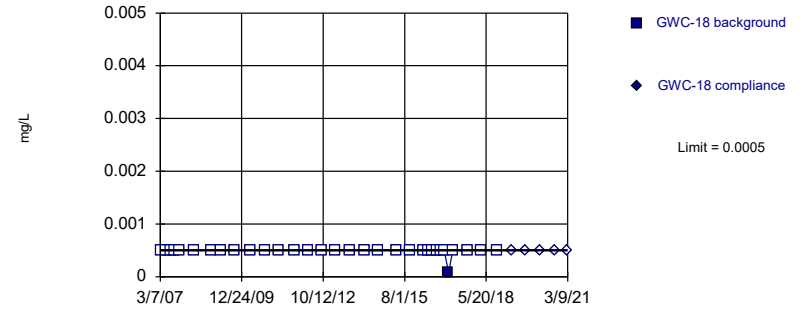


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

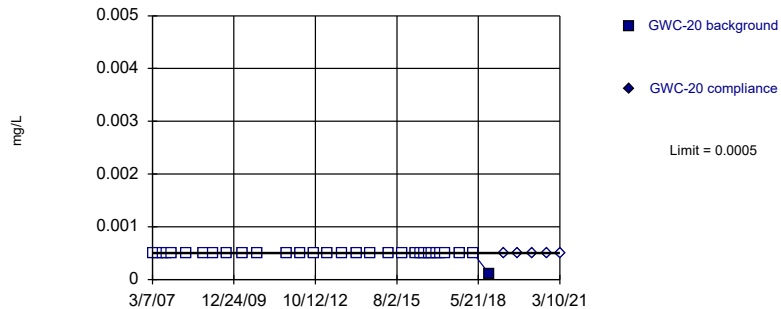


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

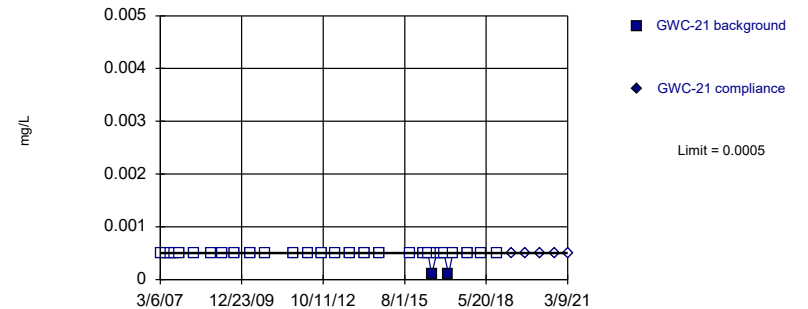


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cadmium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

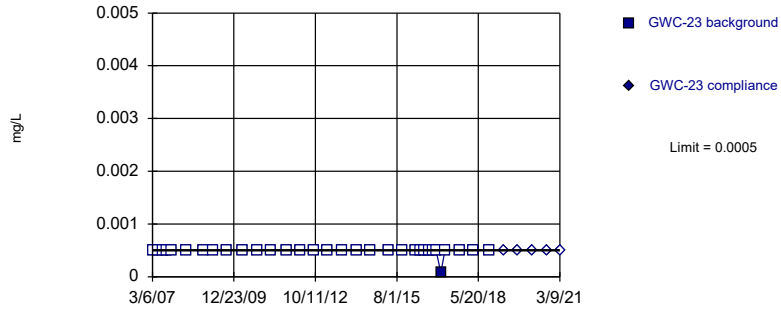


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

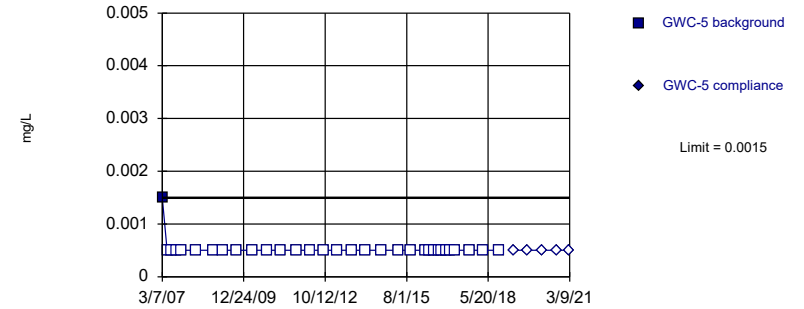


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

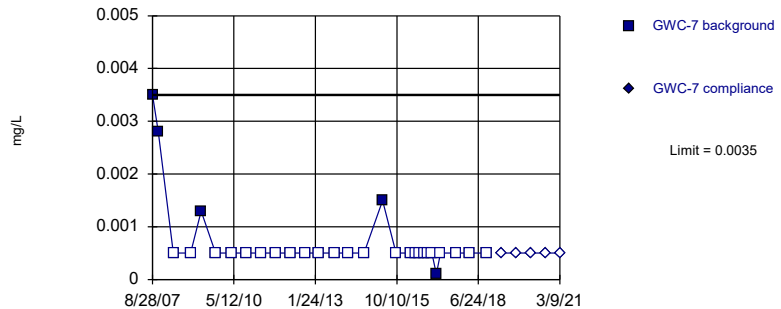


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

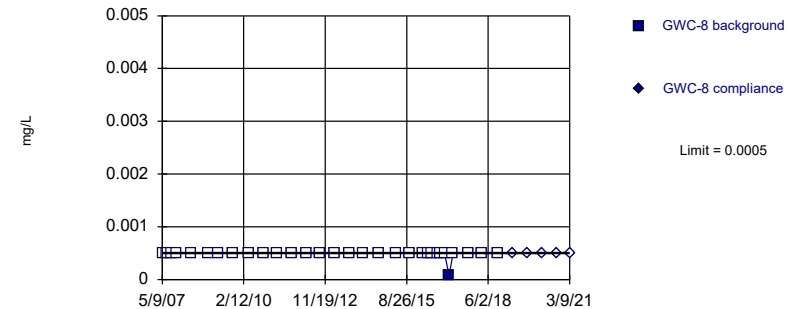


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

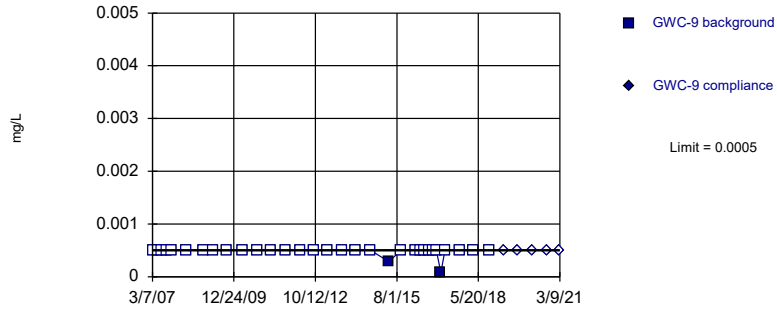


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cadmium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

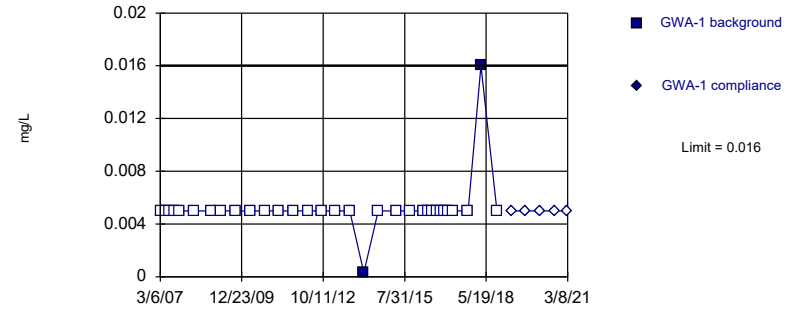


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

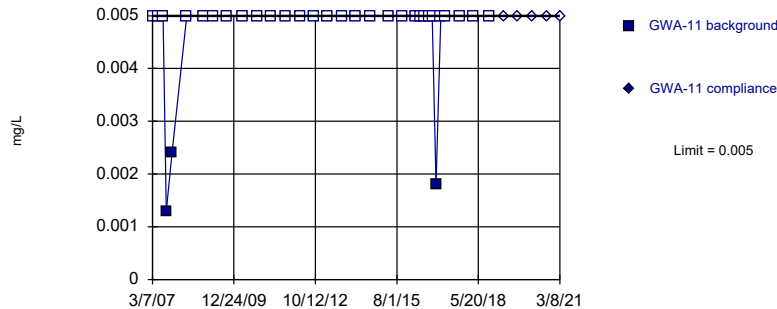


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

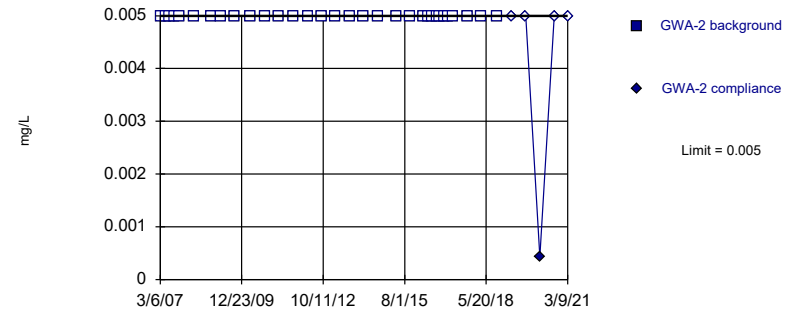


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



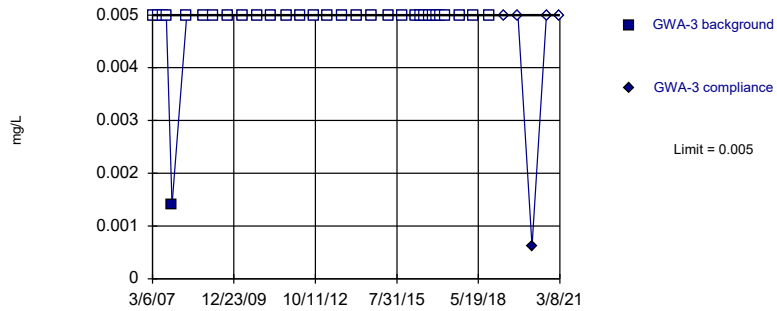
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

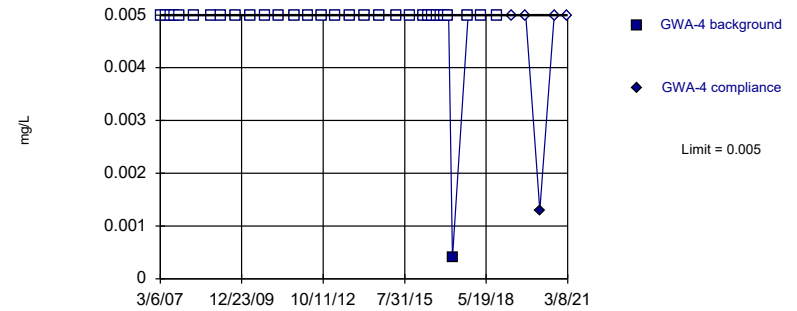


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

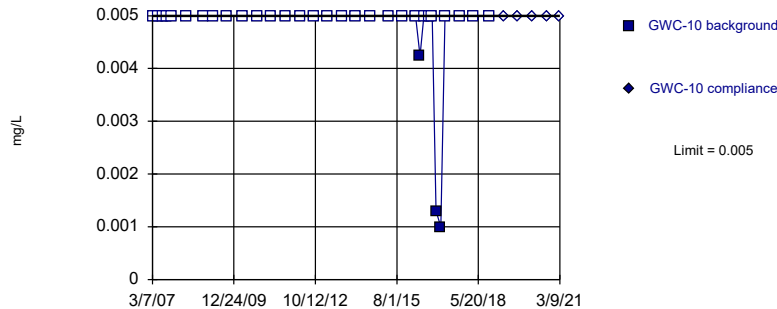


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

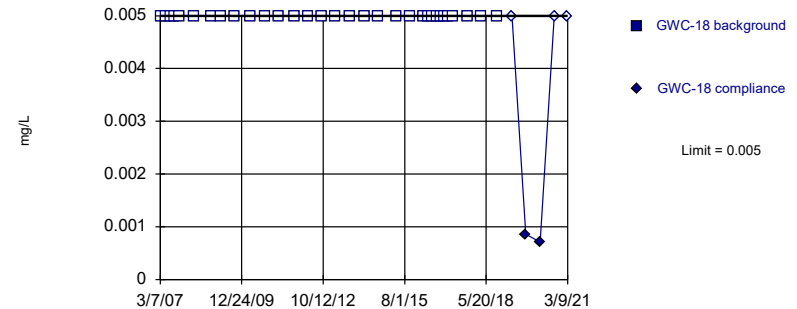


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

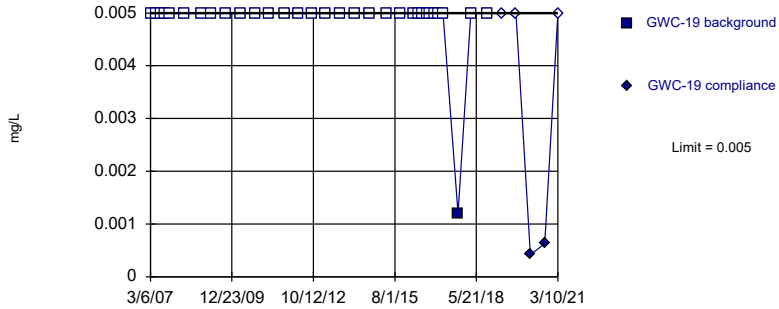


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

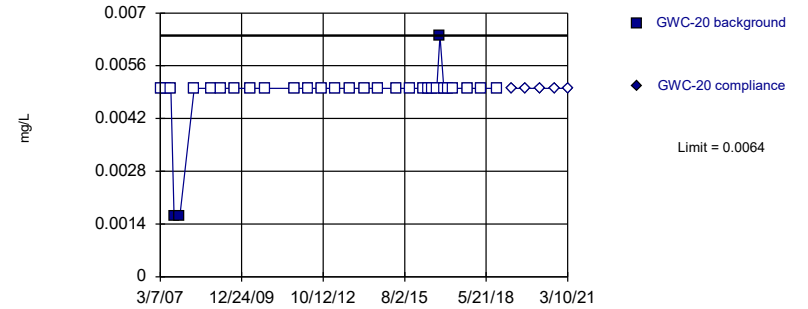


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

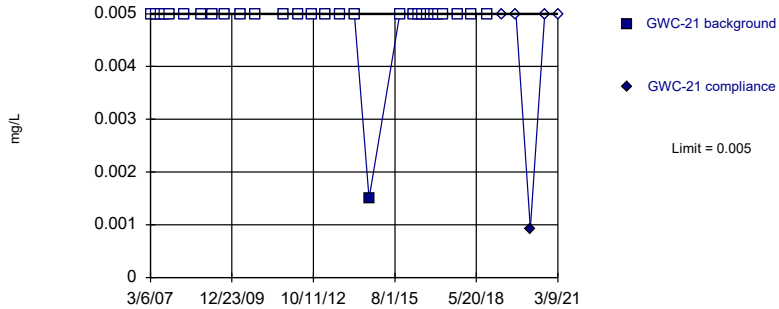


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

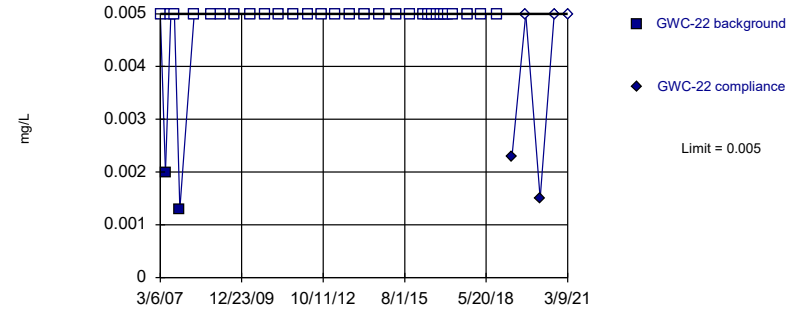


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

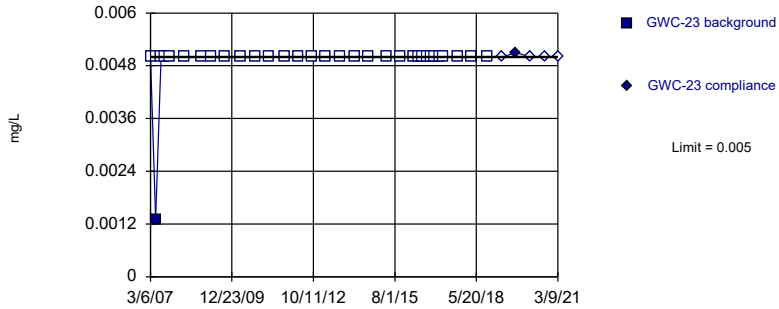


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

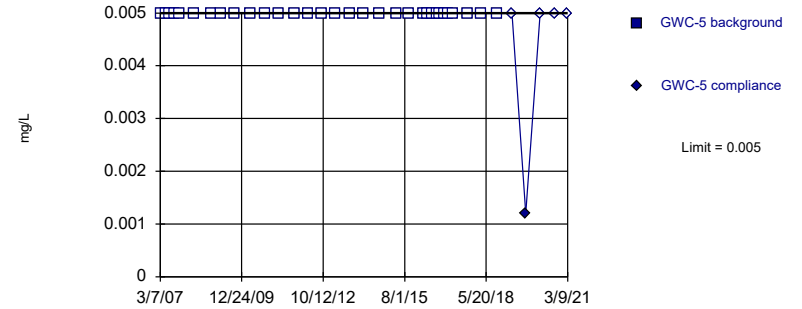


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

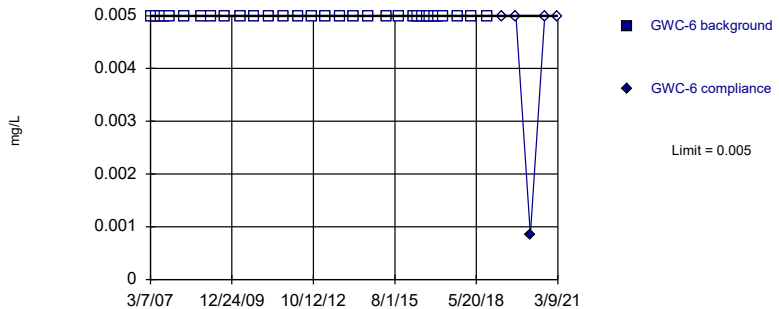


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

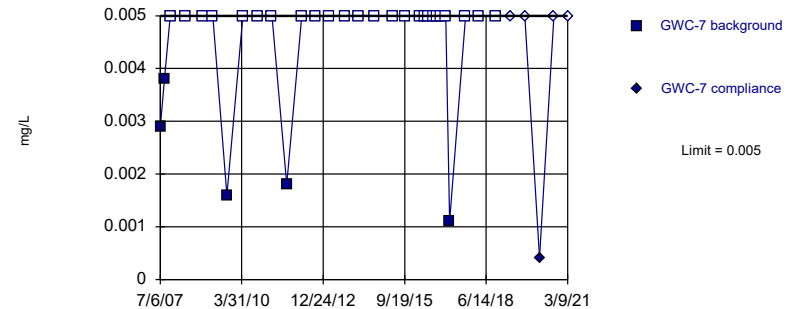


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

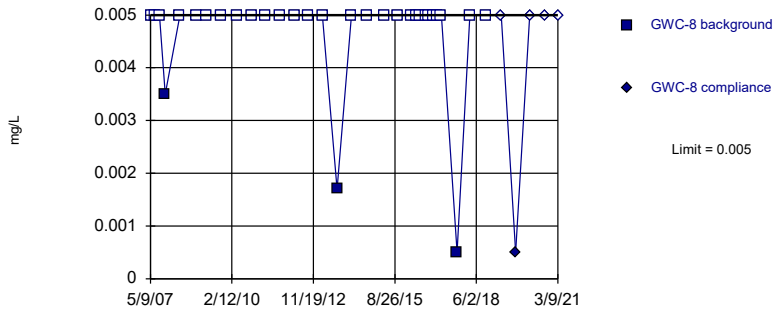


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

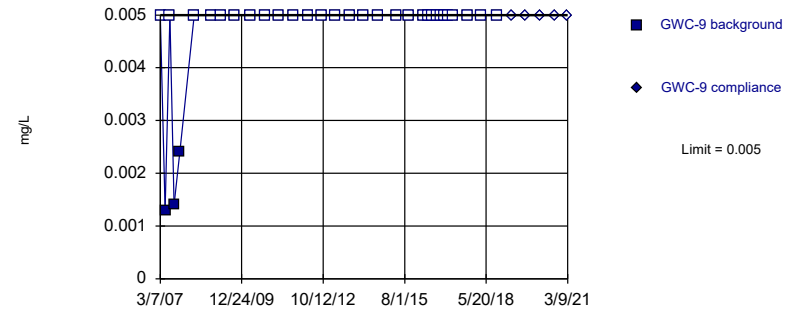


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

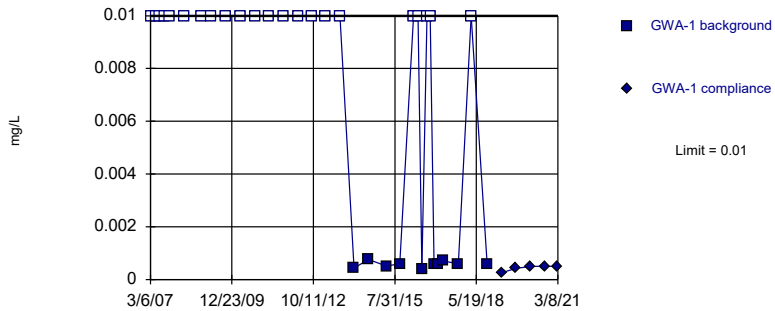


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

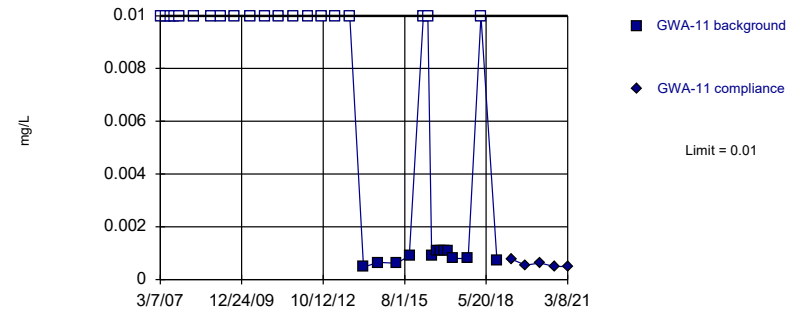


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

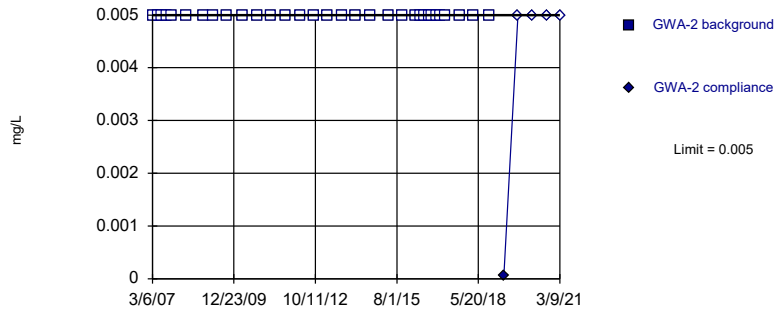


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

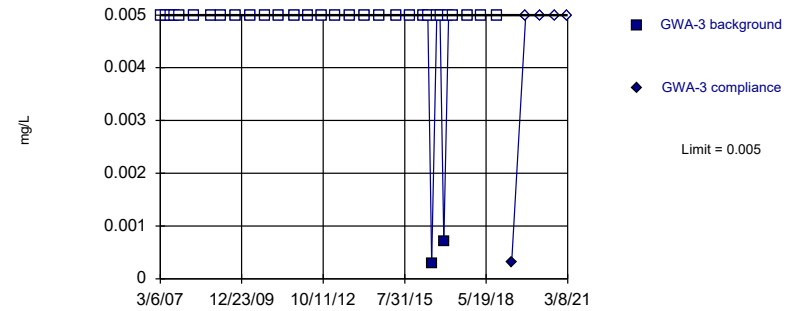


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

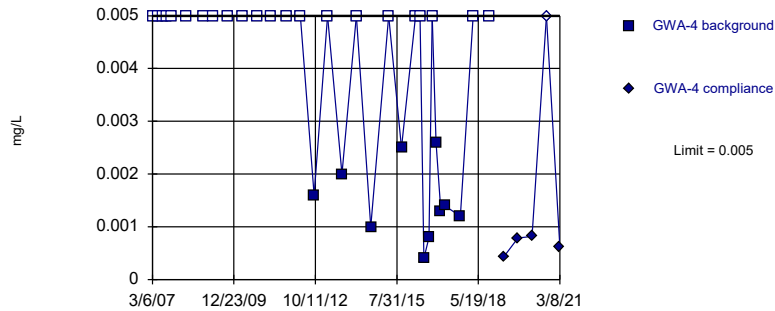


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

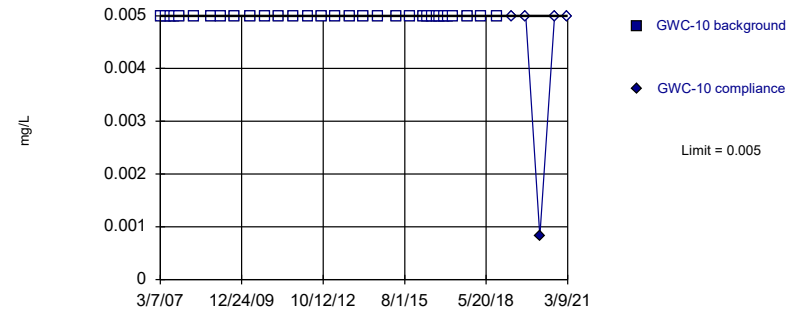


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

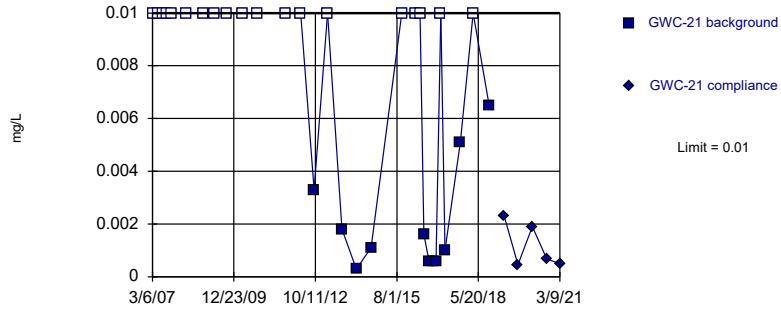


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

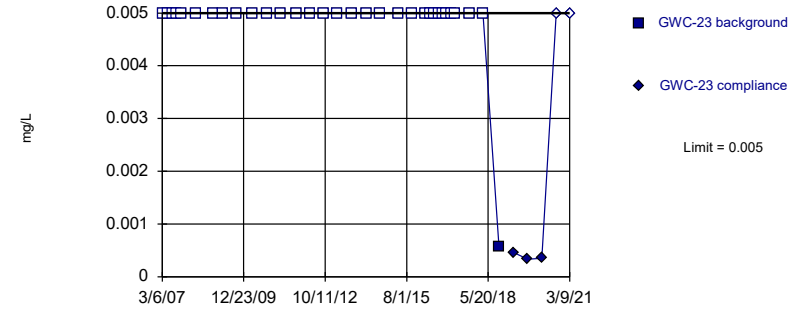


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 63.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

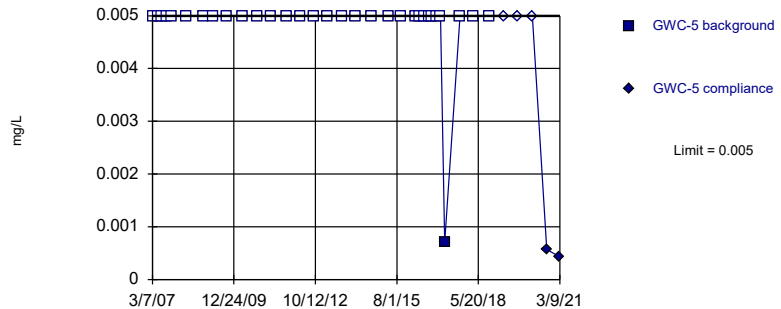


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

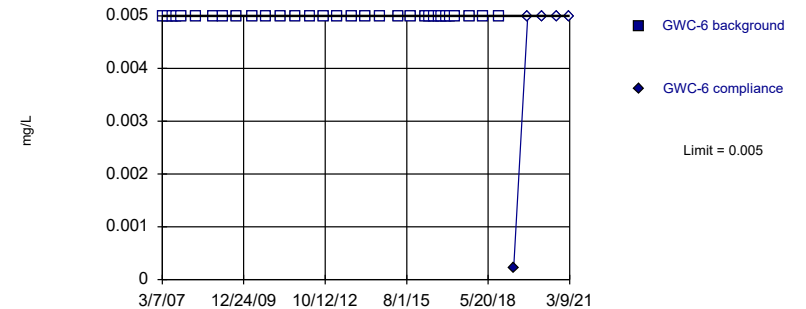


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

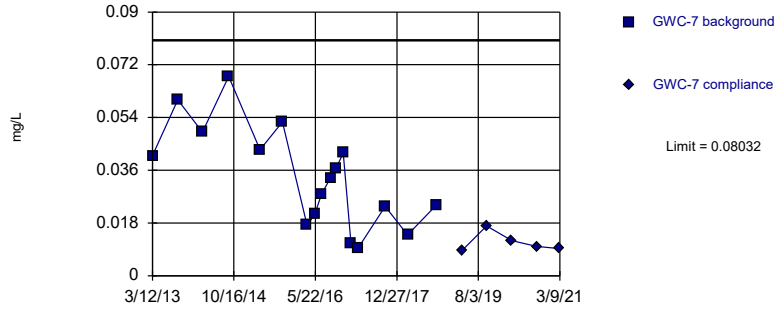


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

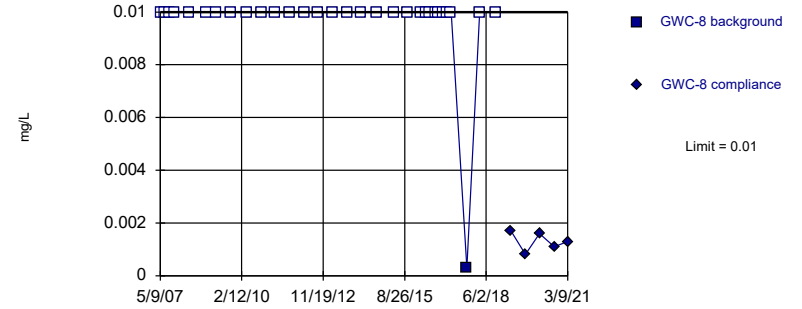


Background Data Summary: Mean=0.03376, Std. Dev.=0.01735, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.851. Kappa = 2.684 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

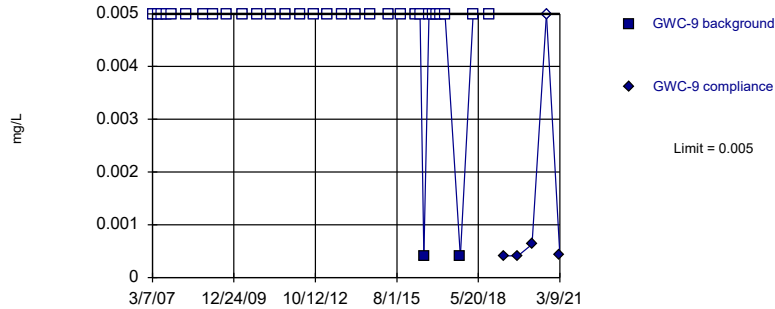


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

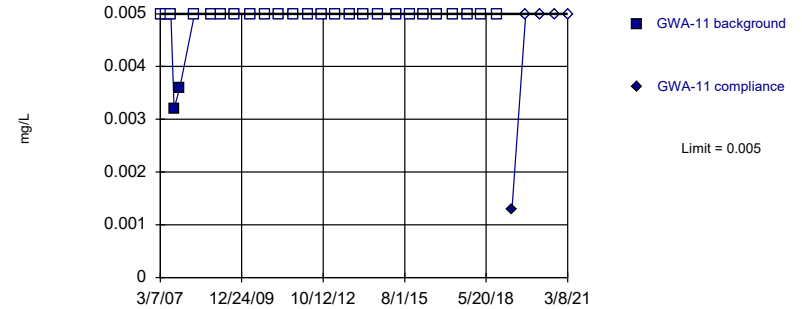


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

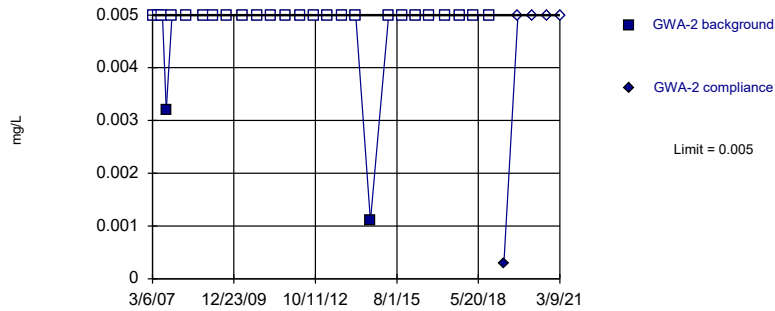


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

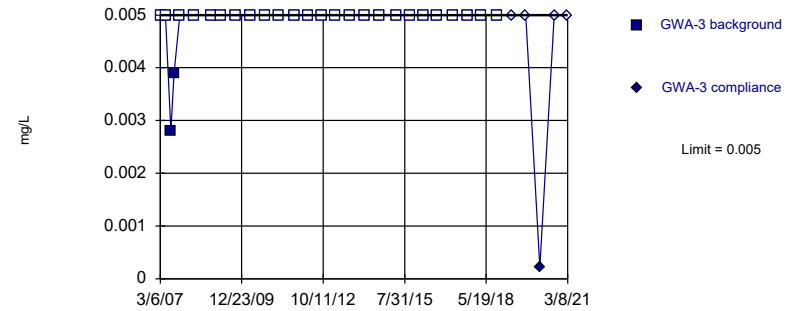


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

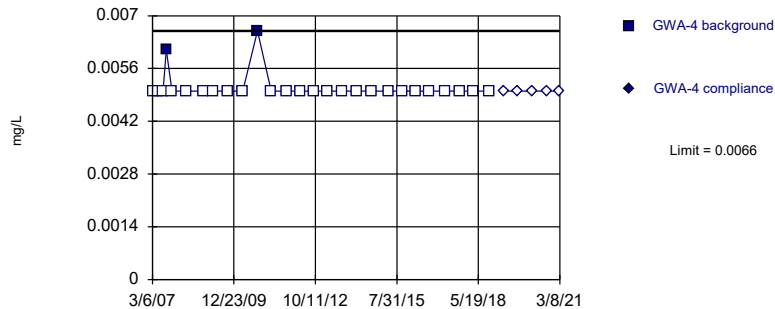


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:19 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

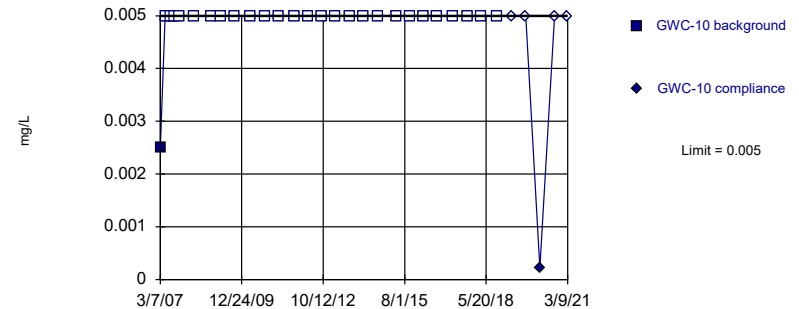


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



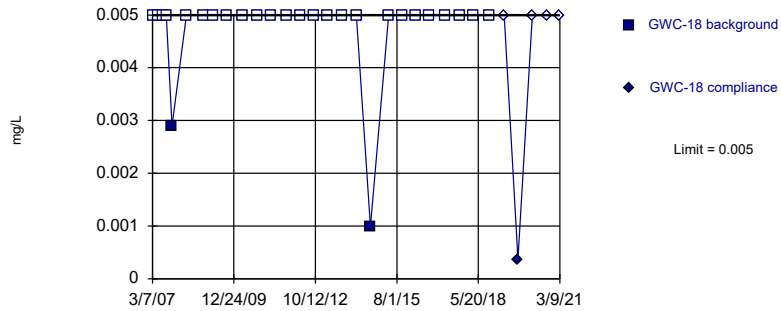
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

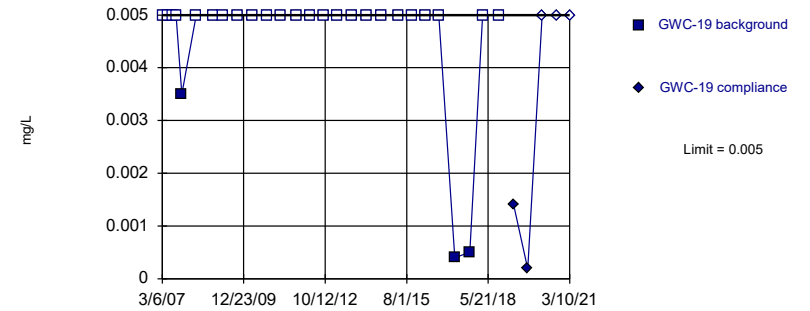


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

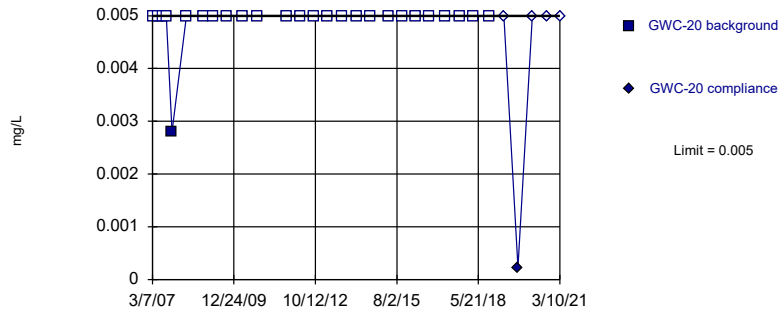


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

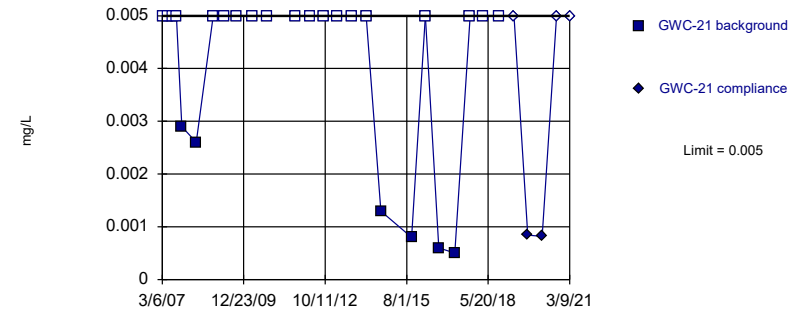


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

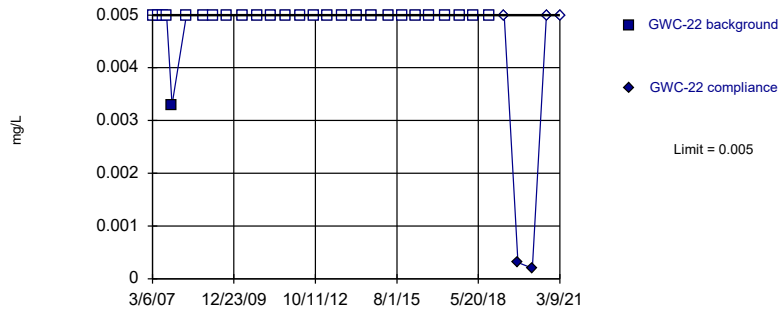


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 76% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

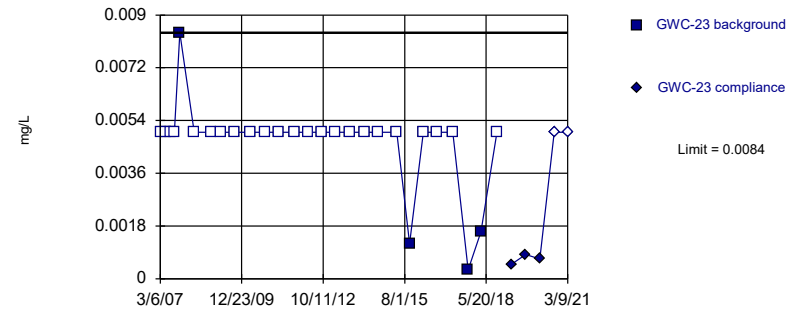


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

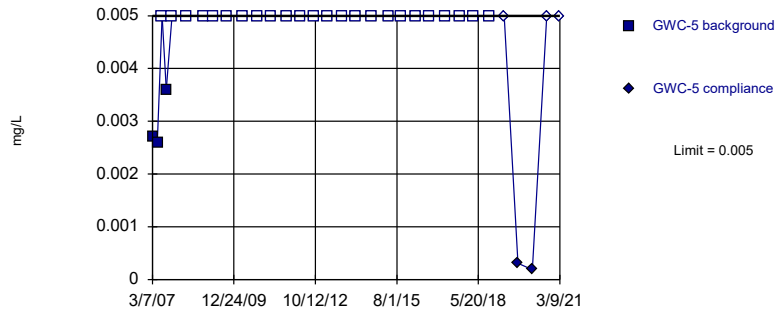


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

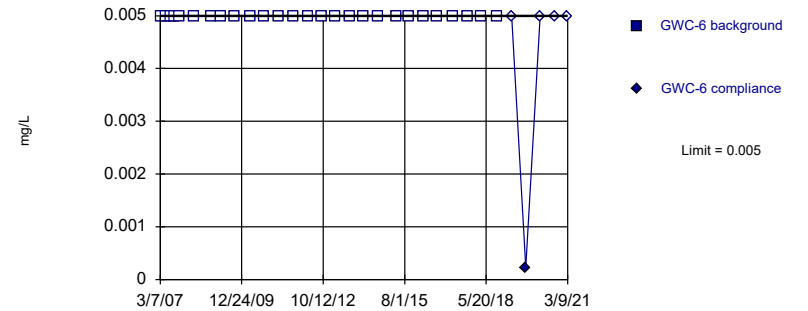


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

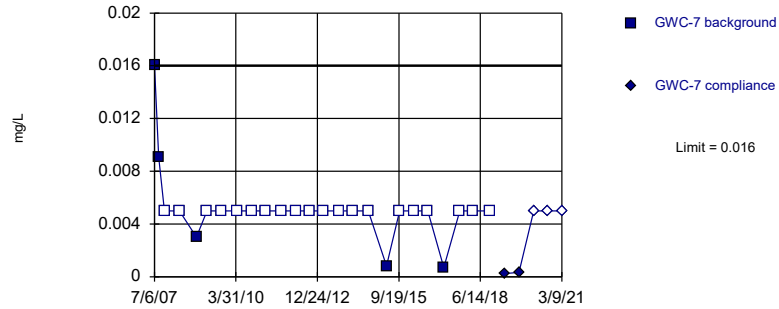


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

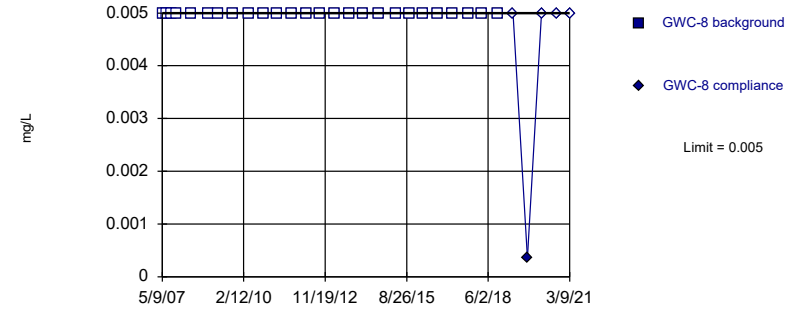


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

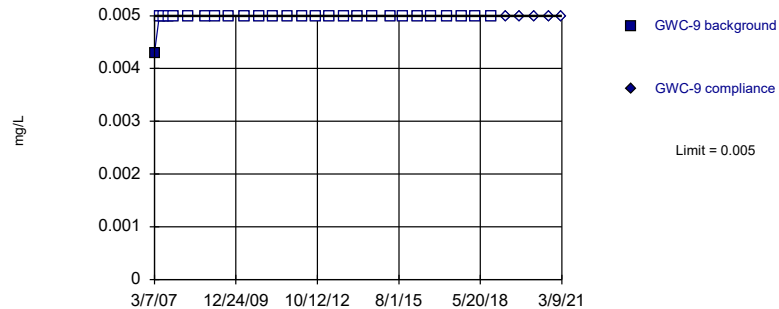


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

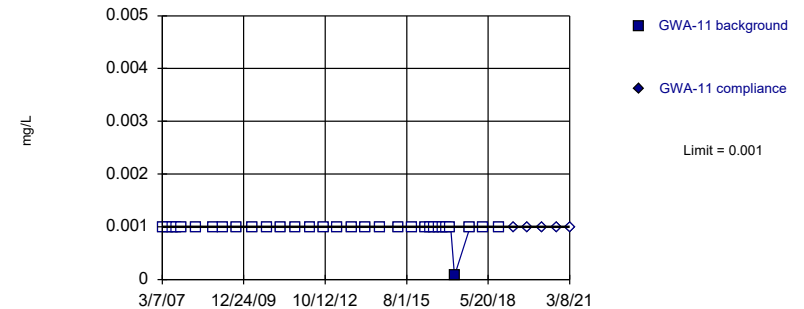


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

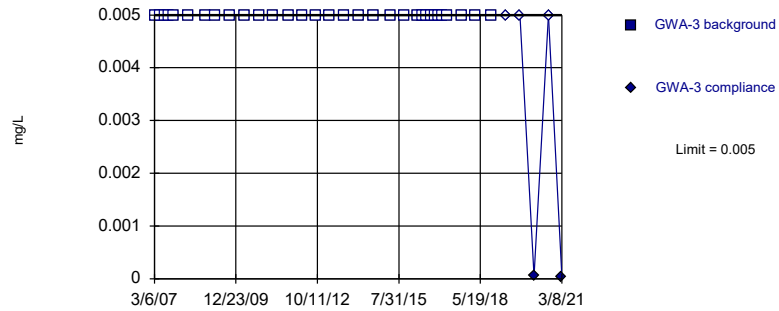


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

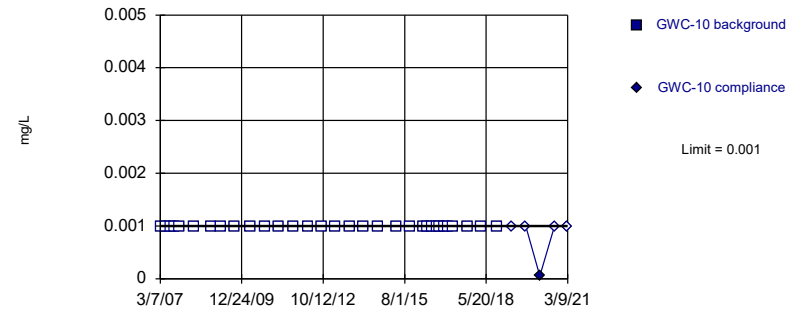


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

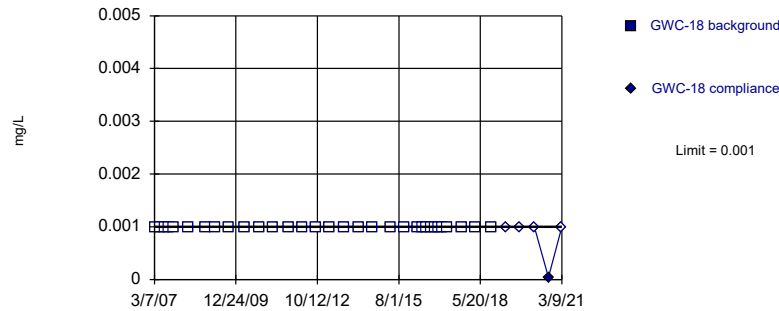


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

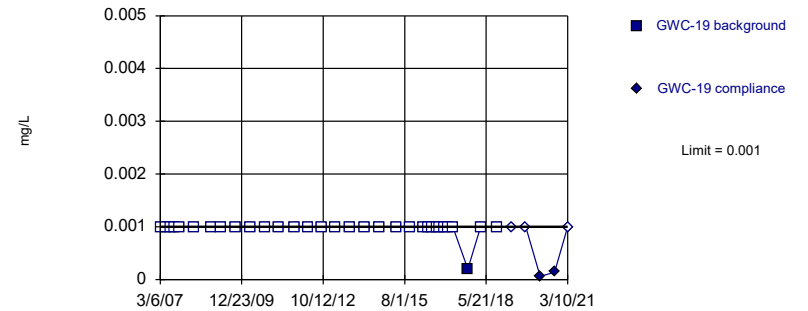


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

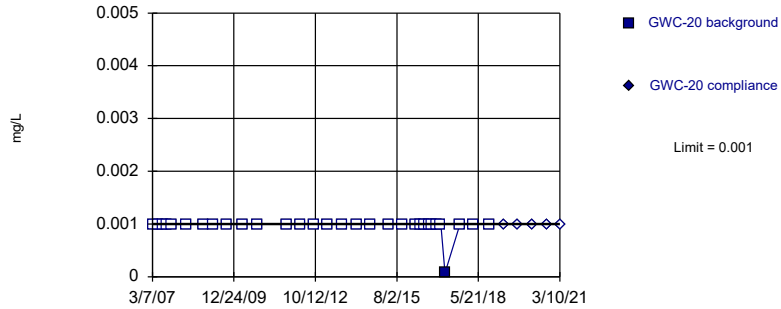


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

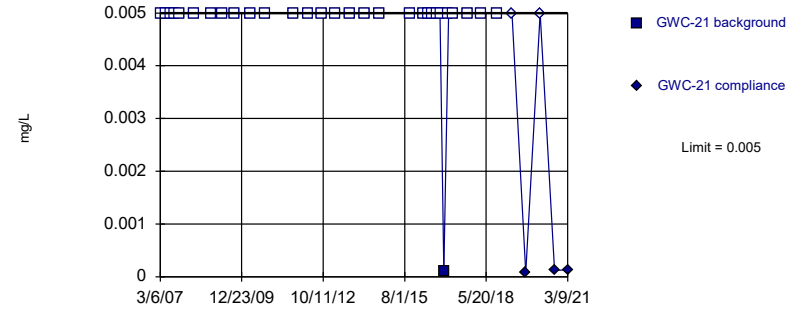


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

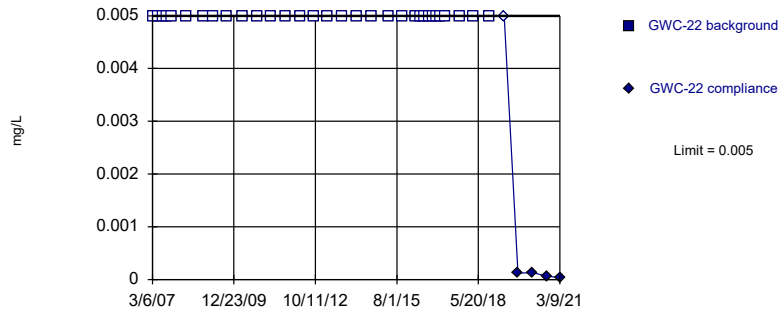


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

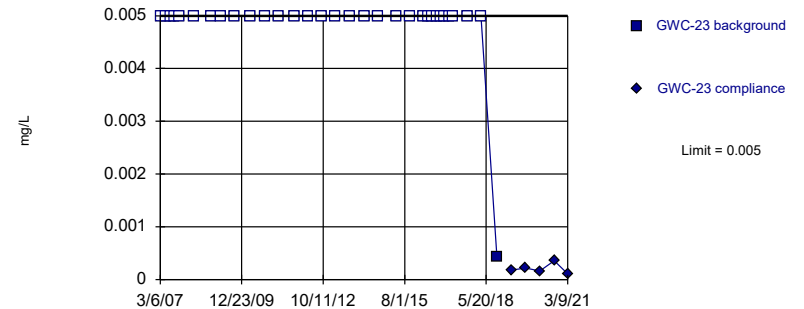


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

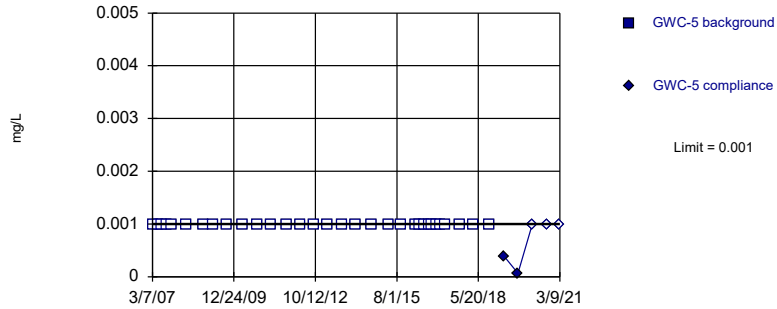


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

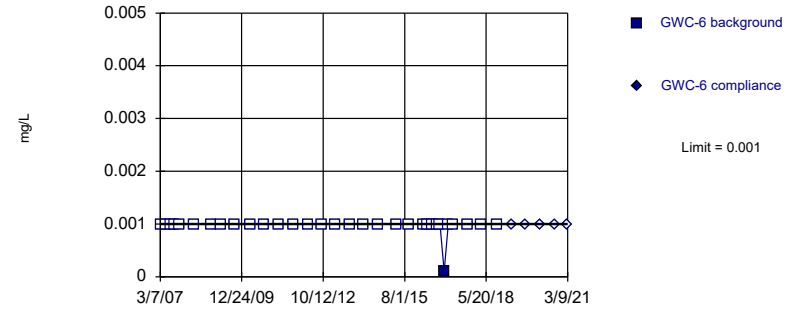


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

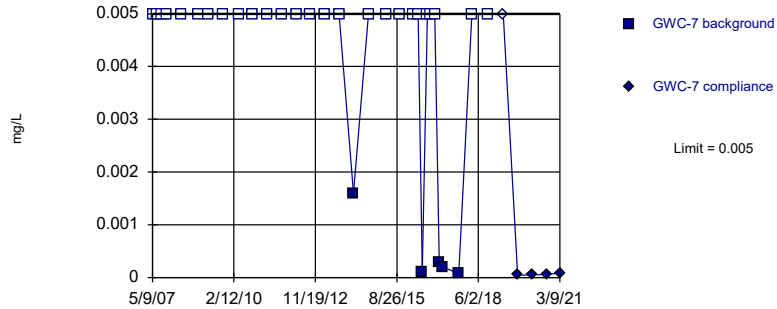


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

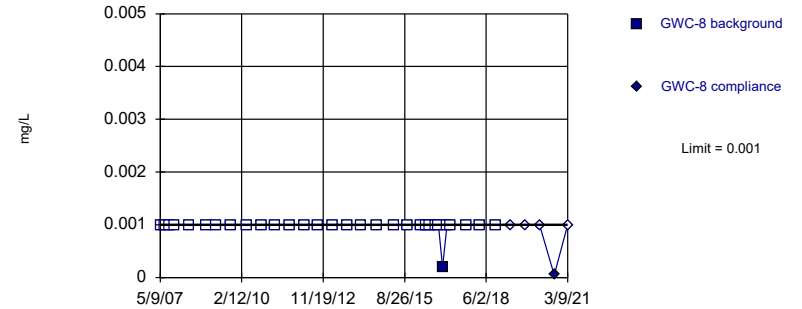


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 83.87% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

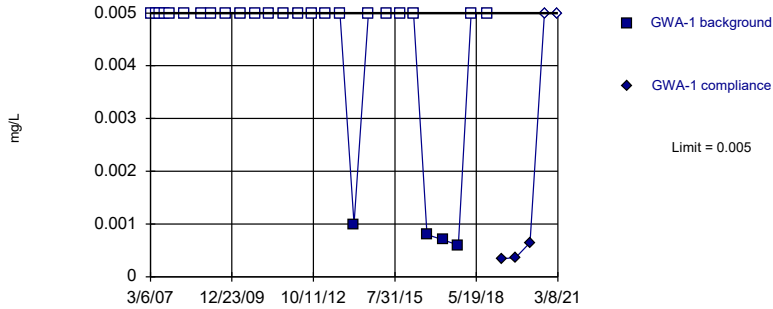


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

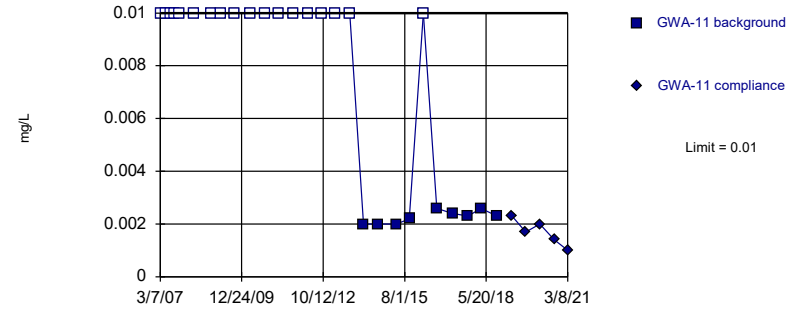


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

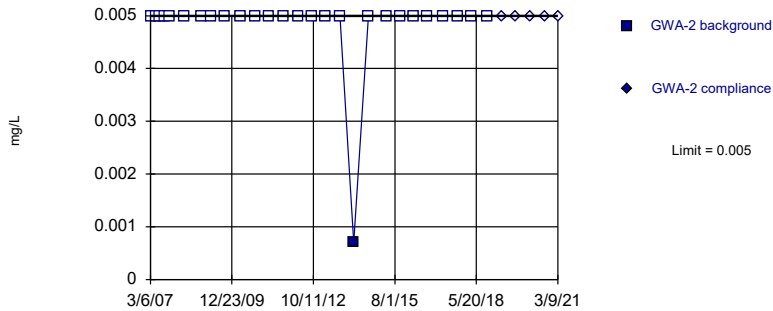


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

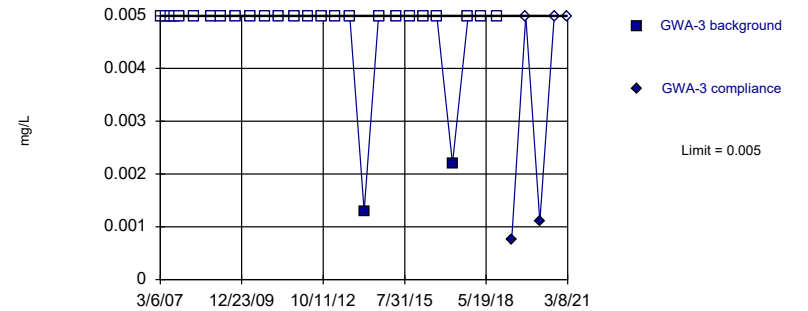


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

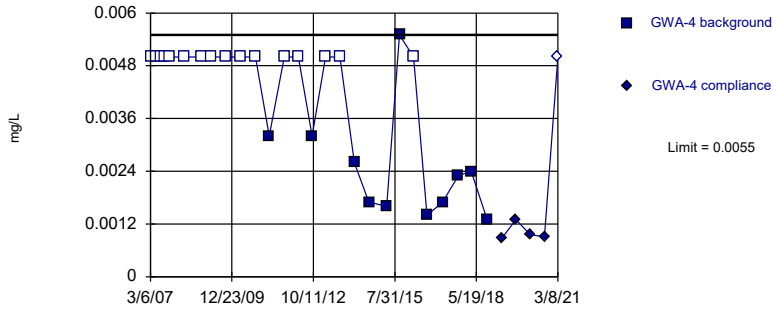


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

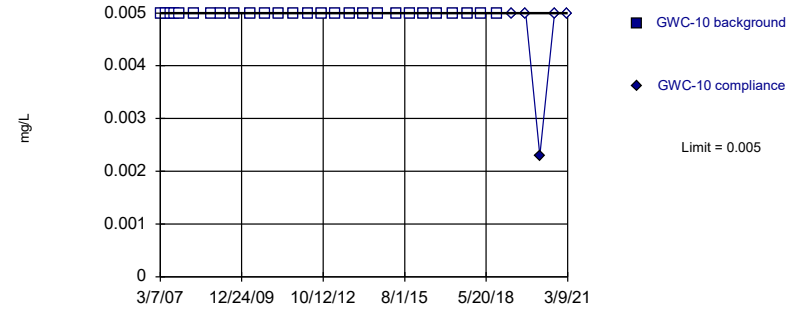


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 59.26% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

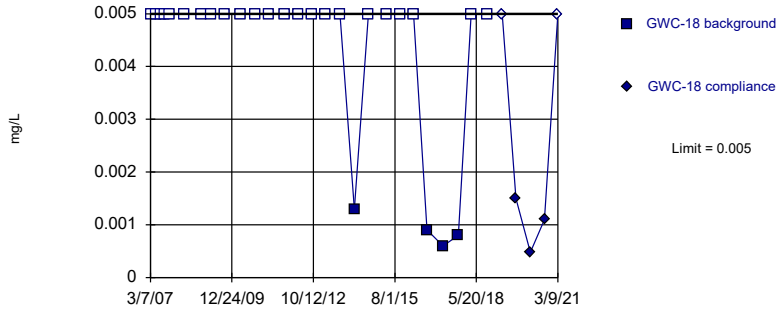


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

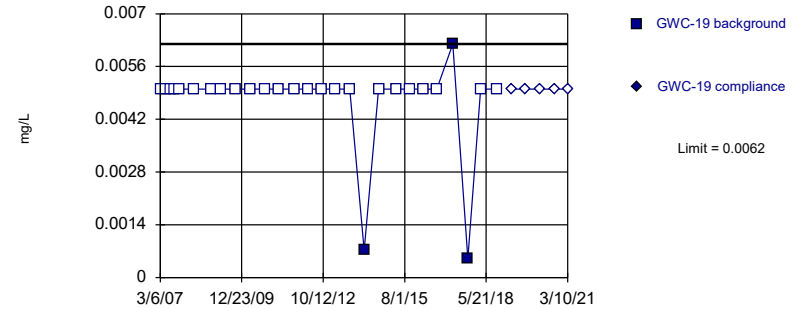


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



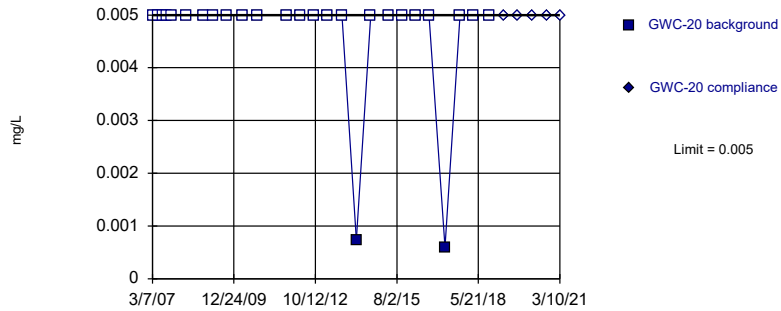
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

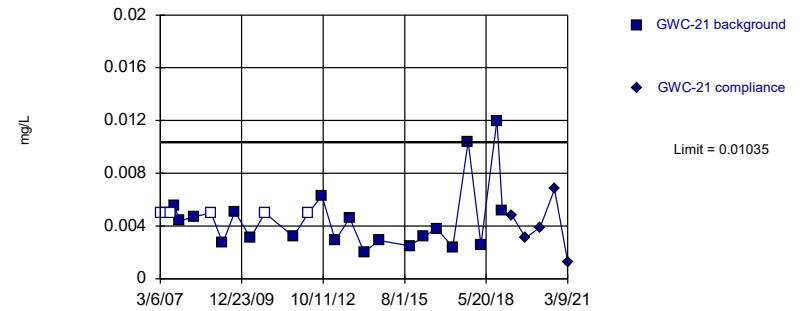


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

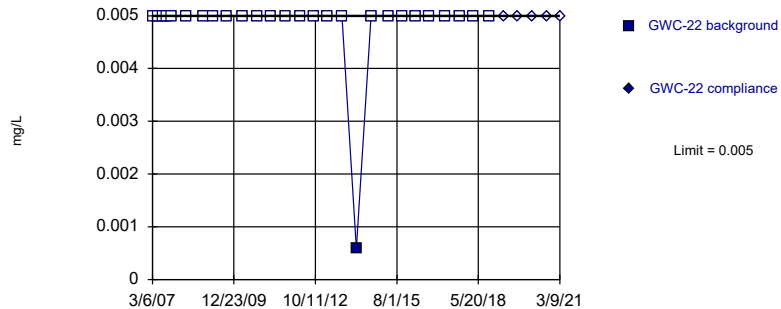


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1566, Std. Dev.=0.02496, n=26, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8923, critical = 0.891. Kappa = 2.456 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

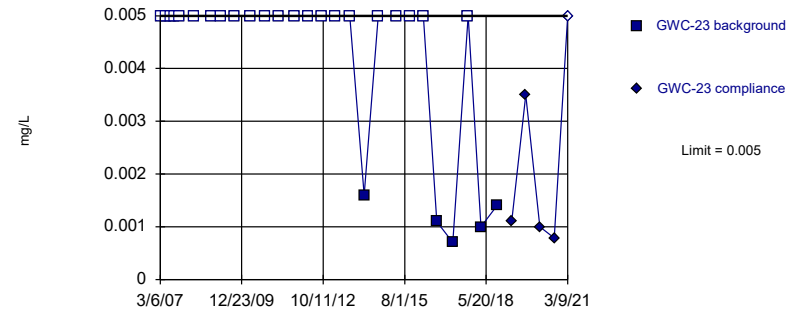


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

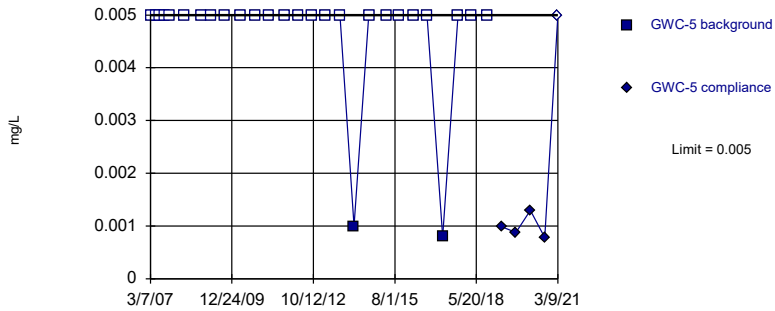


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

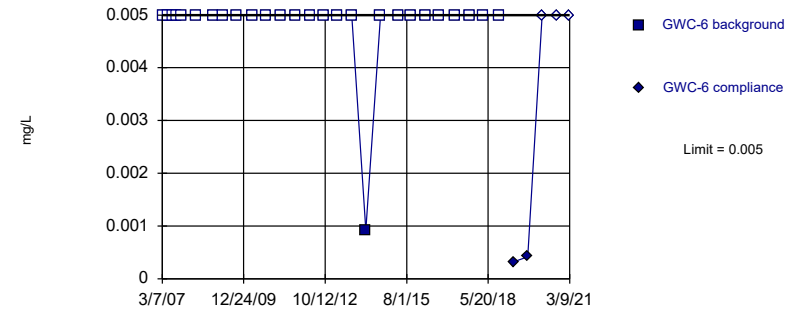


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

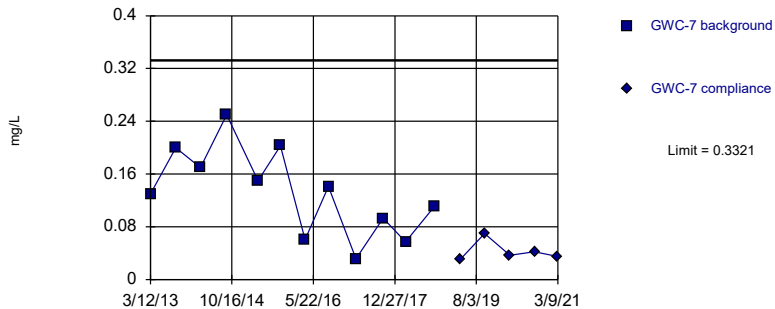


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

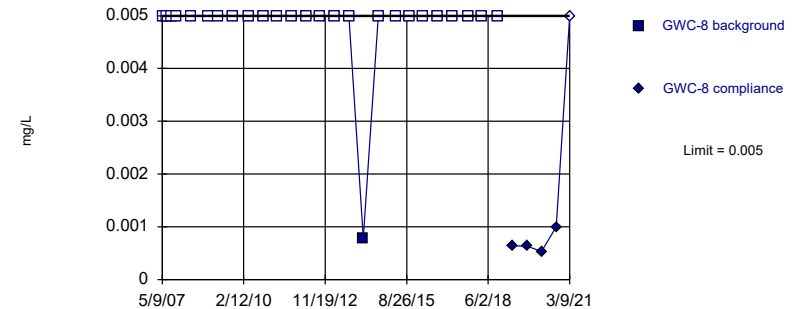


Background Data Summary: Mean=0.133, Std. Dev.=0.06625, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9771, critical = 0.805. Kappa = 3.005 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

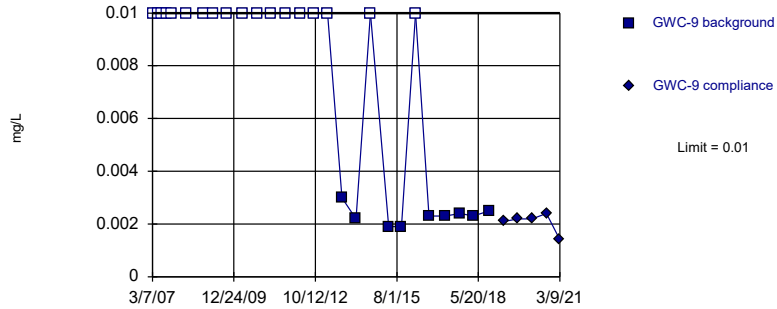


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

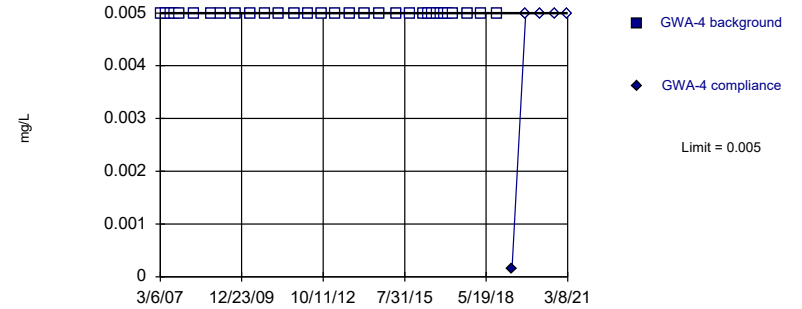


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

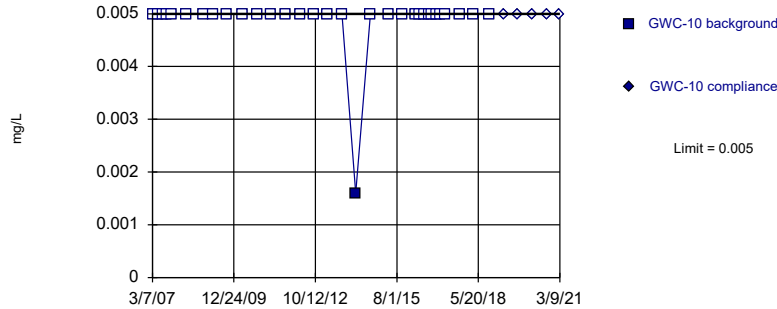


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

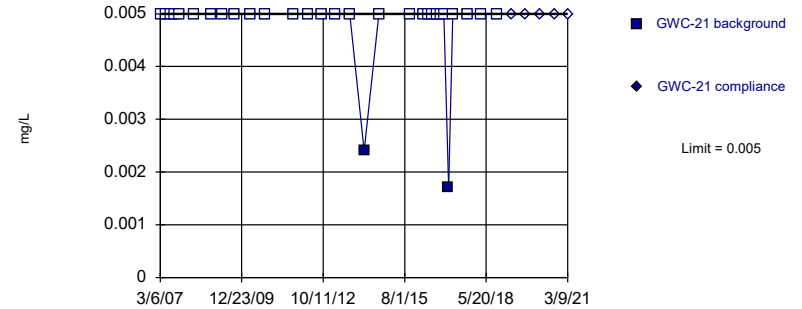


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

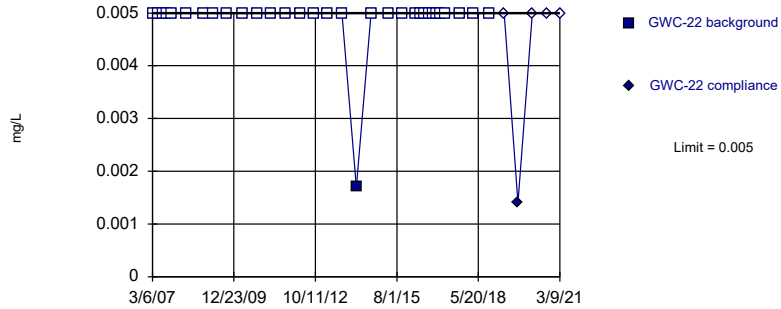


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

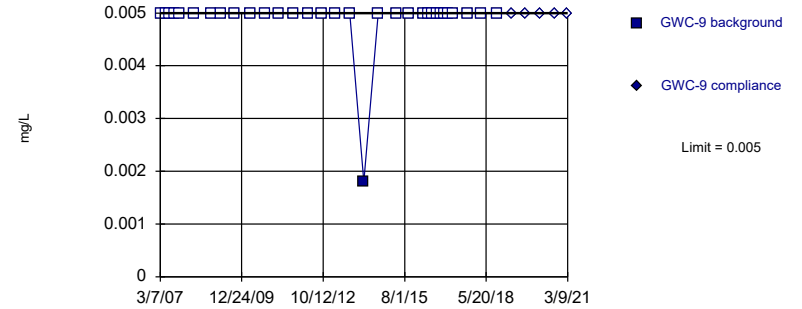


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

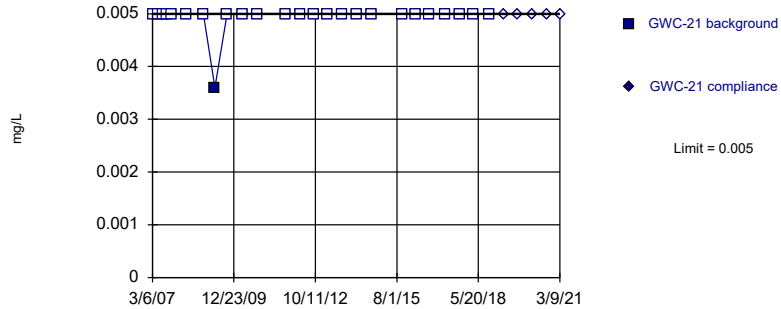


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

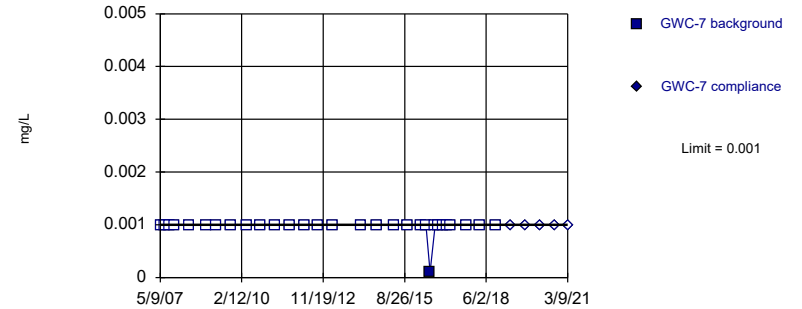


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Silver Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

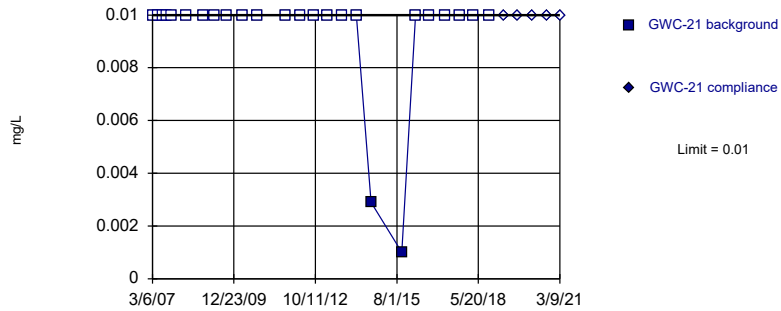


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

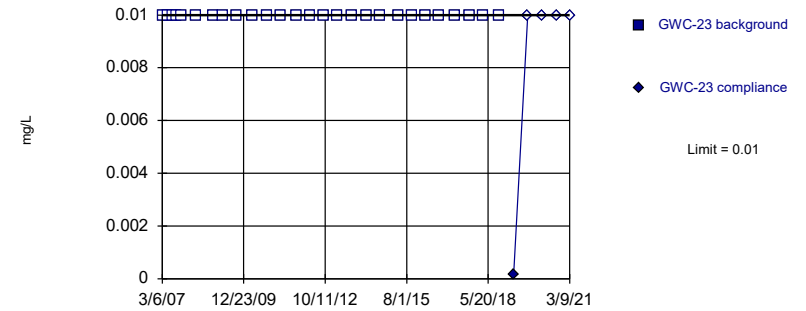


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Vanadium Analysis Run 4/1/2021 1:20 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

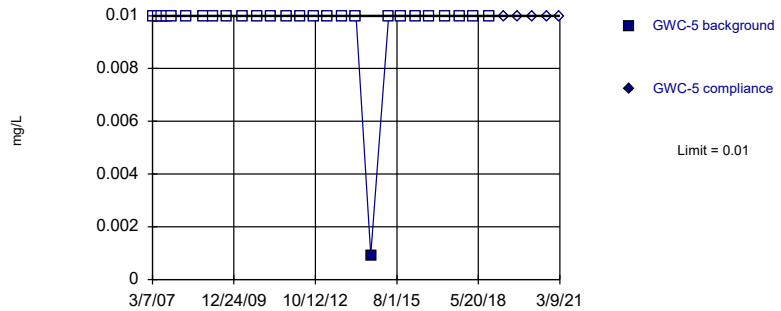


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

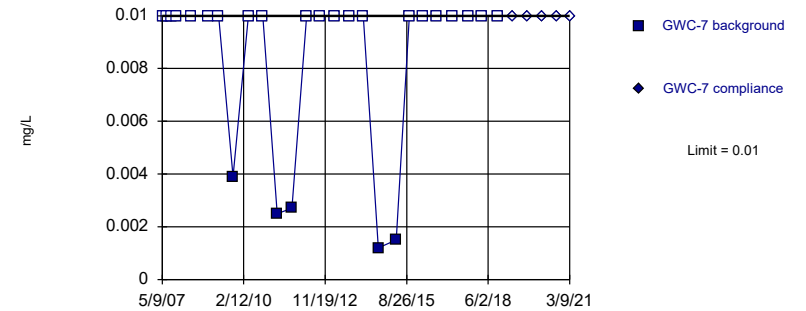


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

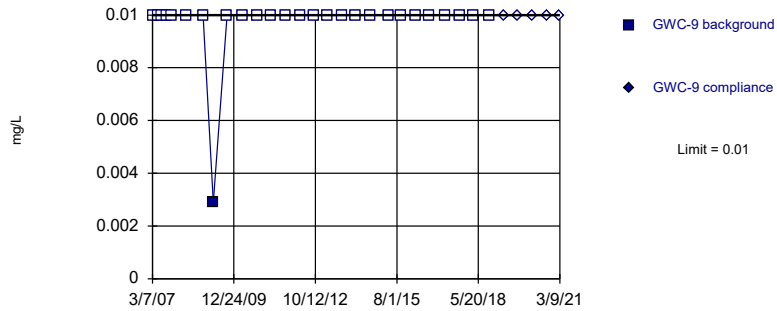


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Vanadium Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

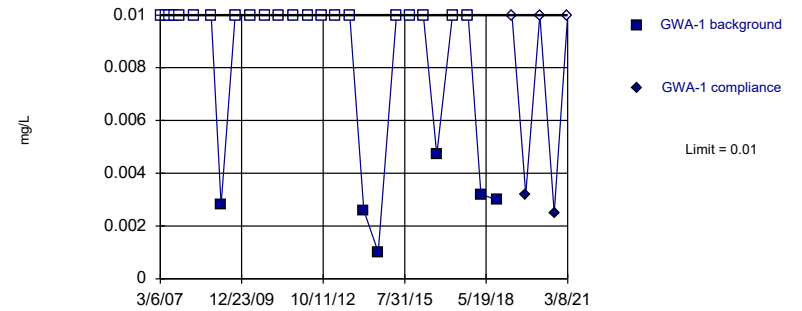


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

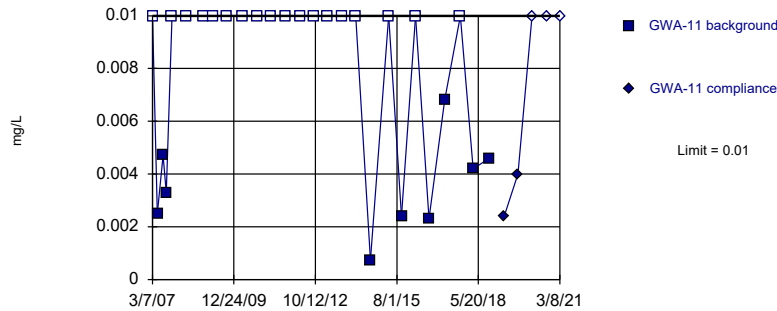


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

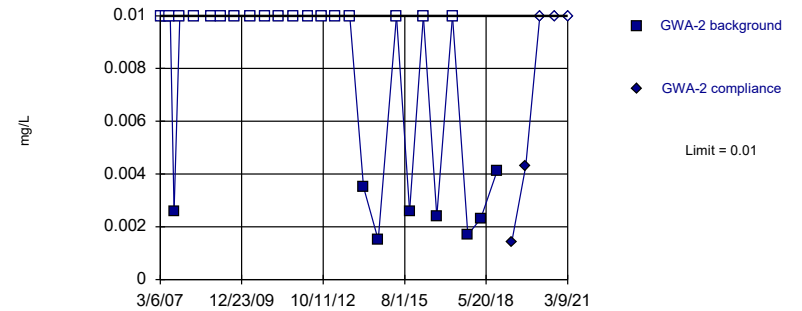


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

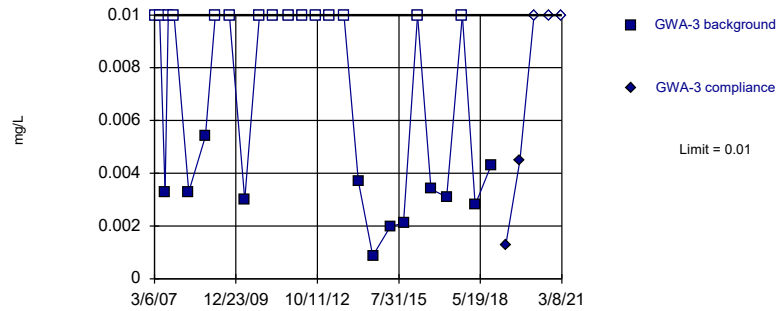


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

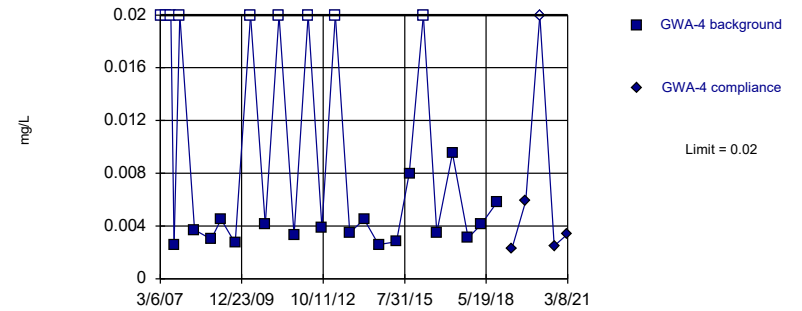


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

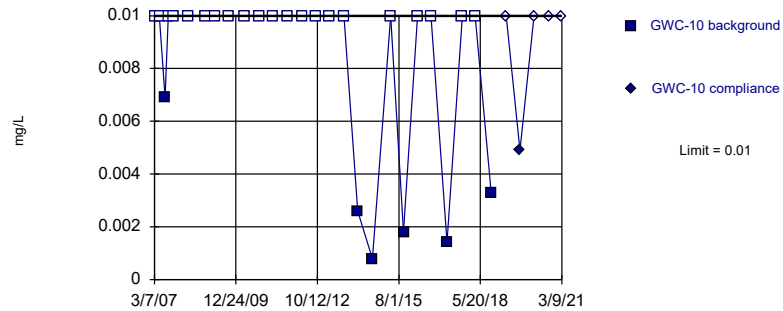


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

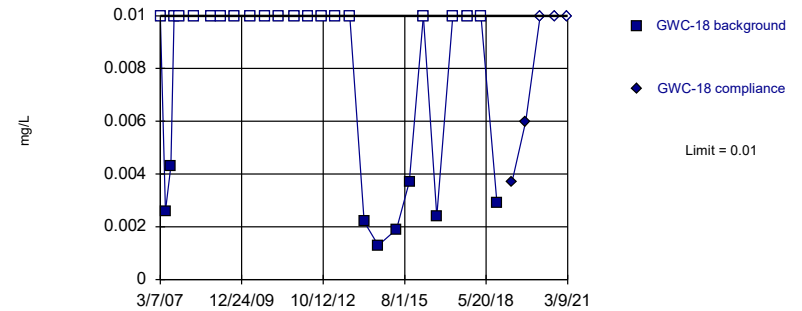


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

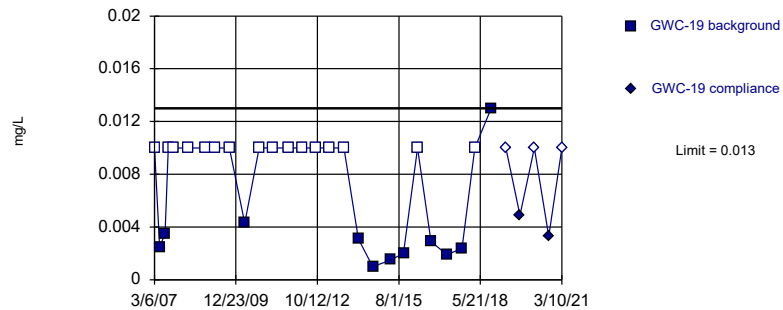


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

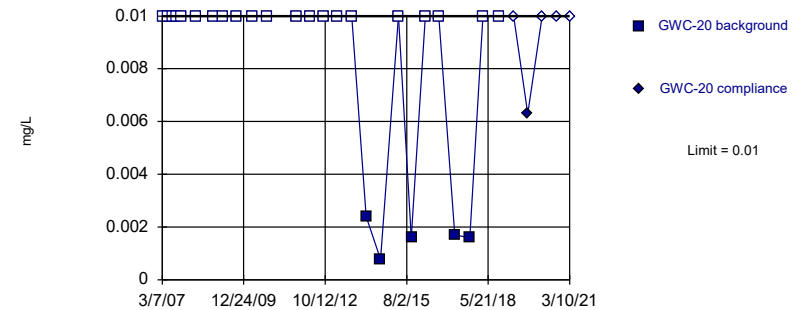


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 59.26% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

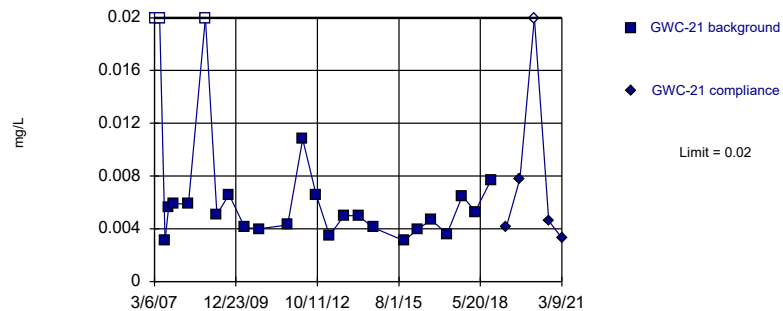


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

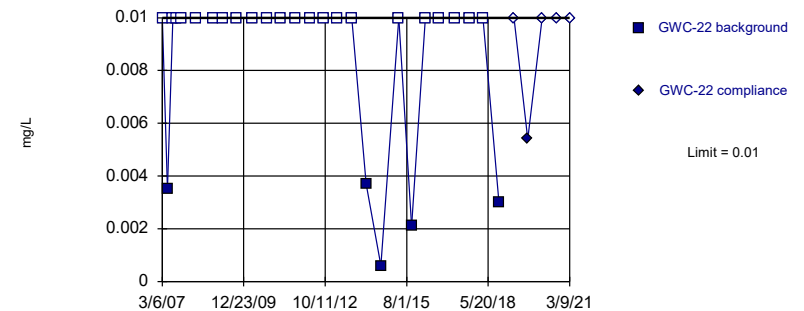


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 12% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



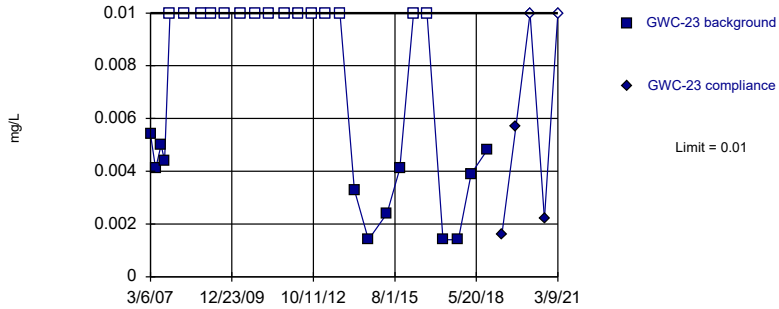
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

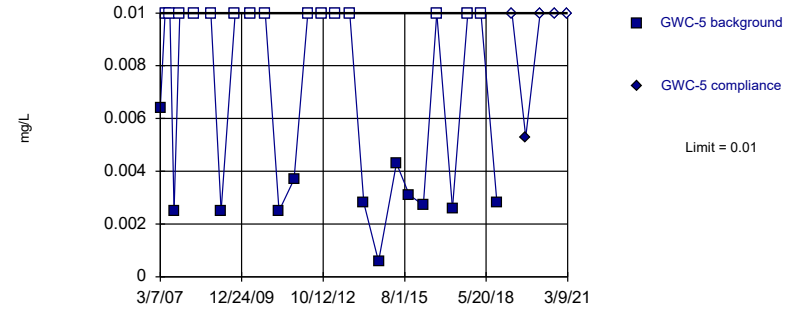


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

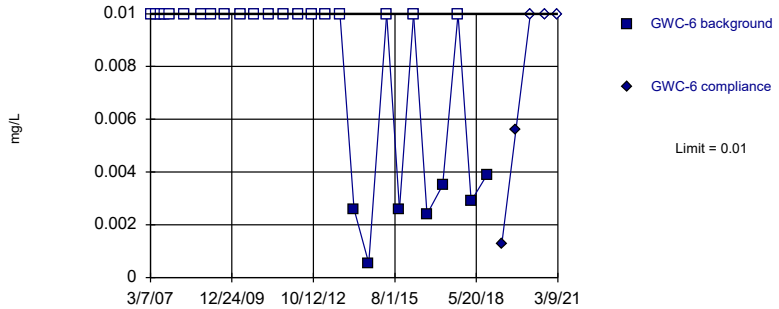


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

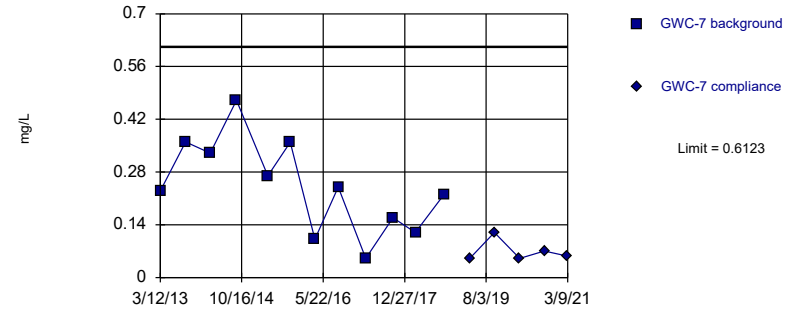


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

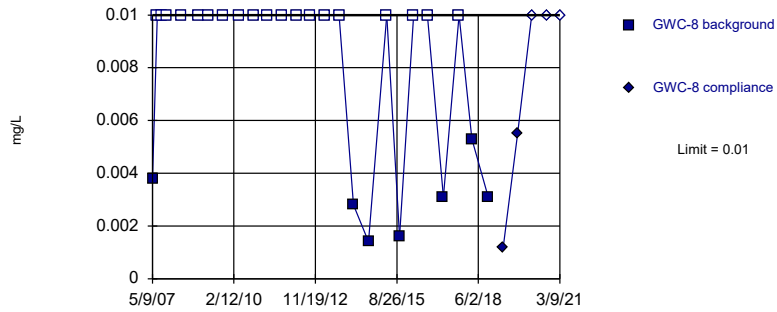


Background Data Summary: Mean=0.2426, Std. Dev.=0.123, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9762, critical = 0.805. Kappa = 3.005 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

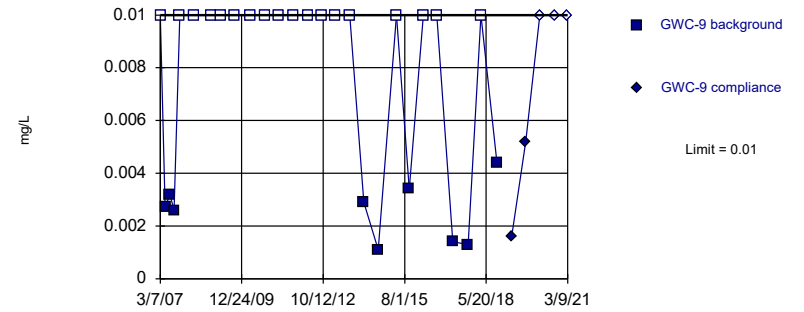


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 4/1/2021 1:21 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/6/2007	<0.003	
5/8/2007	<0.003	
7/7/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/9/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/1/2009	<0.003	
4/14/2010	<0.003	
10/13/2010	<0.003	
4/6/2011	<0.003	
10/10/2011	<0.003	
4/3/2012	<0.003	
9/24/2012	<0.003	
3/12/2013	<0.003	
9/11/2013	<0.003	
3/4/2014	<0.003	
9/3/2014	<0.003	
4/21/2015	<0.003	
9/30/2015	<0.003	
3/22/2016	<0.003	
5/17/2016	<0.003	
7/5/2016	<0.003	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/6/2016	<0.003	
1/31/2017	<0.003	
3/23/2017	<0.003	
10/4/2017	<0.003	
3/14/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
9/30/2019		<0.003
3/26/2020		0.00028 (J)
9/23/2020		<0.003
3/8/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.003	
5/8/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/7/2007	<0.003	
5/9/2008	<0.003	
12/2/2008	<0.003	
4/8/2009	<0.003	
10/1/2009	<0.003	
4/14/2010	<0.003	
10/13/2010	<0.003	
4/6/2011	<0.003	
10/4/2011	<0.003	
4/10/2012	<0.003	
9/26/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/4/2014	<0.003	
9/3/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/22/2016	<0.003	
5/17/2016	<0.003	
7/6/2016	0.0003 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/6/2016	<0.003	
2/1/2017	<0.003	
3/24/2017	<0.003	
10/5/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
9/30/2019		<0.003
3/26/2020		<0.003
9/22/2020		<0.003
3/8/2021		0.0005 (J)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/6/2007	<0.003	
5/8/2007	<0.003	
7/7/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/9/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/1/2009	<0.003	
10/7/2010	<0.003	
4/6/2011	<0.003	
10/6/2011	<0.003	
4/3/2012	<0.003	
9/19/2012	<0.003	
3/12/2013	<0.003	
9/9/2013	<0.003	
3/4/2014	<0.003	
9/3/2014	<0.003	
4/22/2015	<0.003	
9/30/2015	<0.003	
3/22/2016	<0.003	
5/17/2016	<0.003	
7/5/2016	<0.003	
9/7/2016	0.0021 (J)	
10/18/2016	<0.003	
12/7/2016	<0.003	
1/31/2017	<0.003	
3/23/2017	<0.003	
10/4/2017	<0.003	
3/14/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
9/30/2019		<0.003
3/26/2020		0.00049 (J)
9/21/2020		<0.003
3/9/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.003	
5/8/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/2/2009	<0.003	
4/14/2010	<0.003	
10/14/2010	<0.003	
4/5/2011	<0.003	
10/12/2011	<0.003	
4/4/2012	<0.003	
9/26/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/11/2014	<0.003	
9/8/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/22/2016	<0.003	
5/17/2016	<0.003	
7/5/2016	<0.003	
9/7/2016	0.0009 (J)	
10/18/2016	<0.003	
12/6/2016	<0.003	
2/1/2017	<0.003	
3/23/2017	<0.003	
10/4/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/5/2019		<0.003
9/30/2019		<0.003
3/26/2020		<0.003
9/23/2020		<0.003
3/8/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.003	
5/8/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/2/2009	<0.003	
4/14/2010	<0.003	
10/14/2010	<0.003	
4/5/2011	<0.003	
10/12/2011	<0.003	
4/4/2012	<0.003	
9/24/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/11/2014	<0.003	
9/8/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/22/2016	<0.003	
5/17/2016	<0.003	
7/6/2016	0.0003 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/6/2016	<0.003	
2/1/2017	<0.003	
3/24/2017	<0.003	
10/4/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
9/30/2019		<0.003
3/26/2020		<0.003
9/23/2020		<0.003
3/8/2021		0.0016 (J)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.003	
5/8/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/7/2007	<0.003	
5/9/2008	<0.003	
12/2/2008	<0.003	
4/8/2009	<0.003	
10/1/2009	<0.003	
4/14/2010	<0.003	
10/13/2010	<0.003	
4/6/2011	<0.003	
10/4/2011	<0.003	
4/10/2012	<0.003	
9/26/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/4/2014	<0.003	
9/3/2014	<0.003	
4/21/2015	<0.003	
9/30/2015	<0.003	
3/23/2016	<0.003	
5/17/2016	<0.003	
7/6/2016	0.0005 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/6/2016	<0.003	
2/2/2017	<0.003	
3/27/2017	<0.003	
10/5/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/9/2019		<0.003
10/1/2019		<0.003
3/27/2020		<0.003
9/25/2020		<0.003
3/9/2021		<0.003



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.003	
5/9/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/7/2007	<0.003	
5/7/2008	<0.003	
12/3/2008	<0.003	
4/14/2009	<0.003	
10/1/2009	<0.003	
4/13/2010	<0.003	
10/12/2010	<0.003	
4/6/2011	<0.003	
10/12/2011	<0.003	
4/5/2012	<0.003	
9/19/2012	<0.003	
3/13/2013	<0.003	
9/10/2013	<0.003	
3/10/2014	<0.003	
9/3/2014	<0.003	
4/22/2015	<0.003	
9/30/2015	<0.003	
3/24/2016	<0.003	
5/18/2016	<0.003	
7/7/2016	<0.003	
9/8/2016	<0.003	
10/19/2016	<0.003	
12/8/2016	<0.003	
2/2/2017	<0.003	
3/27/2017	<0.003	
10/5/2017	<0.003	
3/16/2018	<0.003	
10/5/2018	<0.003	
4/9/2019		<0.003
10/1/2019		<0.003
3/30/2020		<0.003
9/24/2020		0.00033 (J)
3/9/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.003	
5/9/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/7/2007	<0.003	
5/7/2008	<0.003	
12/4/2008	<0.003	
4/14/2009	<0.003	
10/2/2009	<0.003	
4/13/2010	<0.003	
10/12/2010	<0.003	
4/6/2011	<0.003	
10/12/2011	<0.003	
4/5/2012	<0.003	
9/25/2012	<0.003	
3/13/2013	<0.003	
9/11/2013	<0.003	
3/10/2014	<0.003	
9/9/2014	<0.003	
4/22/2015	<0.003	
9/30/2015	<0.003	
3/24/2016	<0.003	
5/18/2016	<0.003	
7/6/2016	0.0003 (J)	
9/8/2016	<0.003	
10/18/2016	<0.003	
12/7/2016	<0.003	
2/2/2017	<0.003	
3/27/2017	<0.003	
10/5/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/9/2019		<0.003
10/1/2019		<0.003
3/31/2020		<0.003
9/28/2020		<0.003
3/10/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.003	
5/8/2007	<0.003	
7/6/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/1/2009	<0.003	
4/14/2010	<0.003	
10/14/2010	<0.003	
4/5/2011	<0.003	
10/12/2011	<0.003	
4/4/2012	<0.003	
9/24/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/5/2014	<0.003	
9/9/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/23/2016	<0.003	
5/17/2016	<0.003	
7/6/2016	0.0004 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/8/2016	<0.003	
2/1/2017	<0.003	
3/23/2017	<0.003	
10/4/2017	<0.003	
3/16/2018	<0.003	
10/4/2018	<0.003	
4/9/2019		<0.003
10/1/2019		<0.003
3/31/2020		<0.003
9/25/2020		0.00052 (J)
3/9/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/7/2007	<0.003	
5/9/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/1/2009	<0.003	
4/13/2010	<0.003	
10/6/2010	<0.003	
4/5/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
9/18/2012	<0.003	
3/12/2013	<0.003	
9/9/2013	<0.003	
3/5/2014	<0.003	
9/8/2014	<0.003	
4/22/2015	<0.003	
9/29/2015	<0.003	
3/23/2016	<0.003	
5/17/2016	<0.003	
7/6/2016	0.0005 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/8/2016	<0.003	
2/1/2017	<0.003	
3/23/2017	<0.003	
10/4/2017	<0.003	
3/16/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
10/1/2019		<0.003
3/31/2020		<0.003
9/25/2020		<0.003
3/9/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	<0.003	
7/6/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/2/2008	<0.003	
4/8/2009	<0.003	
10/1/2009	<0.003	
4/13/2010	<0.003	
10/7/2010	<0.003	
4/5/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
9/18/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/5/2014	<0.003	
9/8/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/23/2016	<0.003	
5/18/2016	<0.003	
7/6/2016	0.0013 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/8/2016	<0.003	
2/2/2017	<0.003	
3/24/2017	<0.003	
10/4/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
10/1/2019		<0.003
3/30/2020		<0.003
9/24/2020		0.0008 (J)
3/9/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.003	
7/6/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	0.0064 (o)	
5/8/2008	<0.003	
12/2/2008	<0.003	
4/8/2009	<0.003	
9/30/2009	<0.003	
4/13/2010	<0.003	
10/13/2010	<0.003	
4/5/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
9/19/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/5/2014	<0.003	
9/9/2014	<0.003	
4/22/2015	<0.003	
9/29/2015	<0.003	
3/23/2016	<0.003	
5/18/2016	<0.003	
7/6/2016	0.0002 (J)	
9/8/2016	<0.003	
10/18/2016	<0.003	
12/8/2016	<0.003	
2/2/2017	<0.003	
3/24/2017	<0.003	
10/5/2017	<0.003	
3/14/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
10/1/2019		<0.003
3/27/2020		<0.003
9/24/2020		0.0019 (J)
3/9/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.003	
5/8/2007	<0.003	
7/6/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/2/2008	<0.003	
4/8/2009	<0.003	
9/30/2009	<0.003	
4/13/2010	<0.003	
10/13/2010	<0.003	
4/5/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
9/19/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/5/2014	<0.003	
9/3/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/23/2016	<0.003	
5/18/2016	<0.003	
7/6/2016	<0.003	
9/8/2016	<0.003	
10/19/2016	<0.003	
12/8/2016	0.0012 (J)	
2/2/2017	<0.003	
3/27/2017	<0.003	
10/5/2017	<0.003	
3/15/2018	<0.003	
10/5/2018	<0.003	
4/8/2019		<0.003
10/1/2019		<0.003
3/27/2020		<0.003
9/24/2020		0.00056 (J)
3/9/2021		<0.003

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/24/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00012 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/22/2020		<0.005
3/8/2021		<0.005



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	0.005	
9/8/2014	0.0034 (J)	
4/21/2015	<0.005	
9/29/2015	0.0025 (J)	
3/22/2016	<0.005	
5/17/2016	0.00129 (J)	
7/5/2016	0.001 (J)	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	0.0006 (J)	
10/4/2017	0.0011 (J)	
3/15/2018	0.00066 (J)	
10/4/2018	0.0008 (J)	
4/5/2019		0.00035 (J)
9/30/2019		0.00058 (J)
3/26/2020		0.00048 (J)
9/23/2020		<0.005
3/8/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	0.0065	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/24/2017	0.0006 (J)	
10/4/2017	<0.005	
3/15/2018	0.0014 (J)	
10/4/2018	<0.005	
4/8/2019		0.00023 (J)
9/30/2019		<0.005
3/26/2020		0.00044 (J)
9/23/2020		<0.005
3/8/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/3/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/10/2014	<0.005	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	0.0005 (J)	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		0.00063 (J)
10/1/2019		<0.005
3/30/2020		0.00073 (J)
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/27/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/5/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	<0.005	
9/30/2015	0.0023 (J)	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	0.0012 (J)	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	0.001 (J)	
3/15/2018	<0.005	
10/4/2018	0.0034 (J)	
4/9/2019		0.0018 (J)
10/1/2019		<0.005
3/31/2020		0.00035 (J)
9/24/2020		0.0011 (J)
3/9/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/3/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/3/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		0.00034 (J)
10/1/2019		0.00082 (J)
3/26/2020		<0.005
9/23/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.0017 (J)	
9/9/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	0.0006 (J)	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	0.038 (o)	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	0.0053	
3/5/2014	0.0052	
9/8/2014	0.0058	
4/21/2015	0.0088	
9/29/2015	0.0086	
3/23/2016	0.00693	
5/18/2016	0.00451 (J)	
7/6/2016	0.0063	
9/7/2016	0.0065	
10/18/2016	0.0056	
12/8/2016	0.0065	
2/2/2017	0.002 (J)	
3/24/2017	0.0027 (J)	
10/4/2017	0.0056	
3/15/2018	0.0037 (J)	
10/4/2018	0.0049 (J)	
4/8/2019		0.0057
10/1/2019		0.01
11/6/2019		0.011
3/30/2020		0.0052
9/24/2020		0.0064
3/9/2021		0.0052

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.0022 (J)	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/24/2017	0.0005 (J)	
10/5/2017	0.0008 (J)	
3/14/2018	0.00064 (J)	
10/4/2018	<0.005	
4/8/2019		0.0015 (J)
10/1/2019		0.0028 (J)
3/27/2020		0.002 (J)
9/24/2020		0.0043 (J)
3/9/2021		0.0018 (J)



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		<0.005
10/1/2019		0.00071 (J)
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/6/2007	0.032	
5/8/2007	0.04	
7/7/2007	0.041	
8/28/2007	0.044	
11/6/2007	0.044	
5/9/2008	0.03	
12/3/2008	0.047	
4/7/2009	0.032	
10/1/2009	0.043	
4/14/2010	0.032	
10/13/2010	0.046	
4/6/2011	0.034	
10/10/2011	0.038	
4/3/2012	0.0363	
9/24/2012	0.041	
3/12/2013	0.041	
9/11/2013	0.048	
3/4/2014	0.036	
9/3/2014	0.04	
4/21/2015	0.033	
9/30/2015	0.042	
3/22/2016	0.0326	
5/17/2016	0.0387	
7/5/2016	0.0403	
9/7/2016	0.0413	
10/18/2016	0.0409	
12/6/2016	0.0408	
1/31/2017	0.0435	
3/23/2017	0.038	
10/4/2017	0.0396	
3/14/2018	0.039	
10/4/2018	0.039	
4/8/2019		0.031
9/30/2019		0.042
3/26/2020		0.032
9/23/2020		0.041
3/8/2021		0.035

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	0.03	
5/8/2007	0.032	
7/17/2007	0.028	
8/28/2007	0.03	
11/7/2007	0.032	
5/9/2008	0.032	
12/2/2008	0.036	
4/8/2009	0.04	
10/1/2009	0.039	
4/14/2010	0.041	
10/13/2010	0.039	
4/6/2011	0.034	
10/4/2011	0.032	
4/10/2012	0.0425	
9/26/2012	0.035	
3/12/2013	0.035	
9/10/2013	0.035	
3/4/2014	0.031	
9/3/2014	0.033	
4/21/2015	0.03	
9/29/2015	0.031	
3/22/2016	0.0327	
5/17/2016	0.0323	
7/6/2016	0.0344	
9/7/2016	0.0324	
10/18/2016	0.0311	
12/6/2016	0.0311	
2/1/2017	0.0332	
3/24/2017	0.032	
10/5/2017	0.0325	
3/15/2018	0.031	
10/4/2018	0.033	
4/8/2019		0.031
9/30/2019		0.03
3/26/2020		0.031
9/22/2020		0.031
3/8/2021		0.031

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/6/2007	0.12	
5/8/2007	0.11	
7/7/2007	0.11	
8/28/2007	0.13	
11/6/2007	0.12	
5/9/2008	0.12	
12/3/2008	0.12	
4/7/2009	0.13	
10/1/2009	0.14	
4/13/2010	0.15	
10/7/2010	0.16	
4/6/2011	0.14	
10/6/2011	0.16	
4/3/2012	0.165	
9/19/2012	0.16	
3/12/2013	0.16	
9/9/2013	0.17	
3/4/2014	0.16	
9/3/2014	0.17	
4/22/2015	0.17	
9/30/2015	0.15	
3/22/2016	0.197	
5/17/2016	0.178	
7/5/2016	0.182	
9/7/2016	0.172	
10/18/2016	0.174	
12/7/2016	0.167	
1/31/2017	0.176	
3/23/2017	0.157	
10/4/2017	0.143	
3/14/2018	0.17	
10/4/2018	0.18	
4/8/2019		0.15
9/30/2019		0.17
3/26/2020		0.16
9/21/2020		0.18
3/9/2021		0.17

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	0.17	
5/8/2007	0.21	
7/17/2007	0.21	
8/28/2007	0.2	
11/6/2007	0.19	
5/8/2008	0.2	
12/3/2008	0.18	
4/7/2009	0.2	
10/2/2009	0.2	
4/14/2010	0.2	
10/14/2010	0.18	
4/5/2011	0.16	
10/12/2011	0.15	
4/4/2012	0.165	
9/26/2012	0.17	
3/12/2013	0.17	
9/10/2013	0.18	
3/11/2014	0.17	
9/8/2014	0.16	
4/21/2015	0.16	
9/29/2015	0.14	
3/22/2016	0.188	
5/17/2016	0.193	
7/5/2016	0.172	
9/7/2016	0.164	
10/18/2016	0.138	
12/6/2016	0.149	
2/1/2017	0.121	
3/23/2017	0.143	
10/4/2017	0.139	
3/15/2018	0.17	
10/4/2018	0.16	
4/5/2019		0.13
9/30/2019		0.14
3/26/2020		0.14
9/23/2020		0.14
3/8/2021		0.12

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	0.13	
5/8/2007	0.12	
7/17/2007	0.12	
8/28/2007	0.13	
11/6/2007	0.12	
5/8/2008	0.13	
12/3/2008	0.14	
4/7/2009	0.097	
10/2/2009	0.11	
4/14/2010	0.059	
10/14/2010	0.053	
4/5/2011	0.042	
10/12/2011	0.048	
4/4/2012	0.044	
9/24/2012	0.048	
3/12/2013	0.043	
9/10/2013	0.042	
3/11/2014	0.04	
9/8/2014	0.042	
4/21/2015	0.05	
9/29/2015	0.044	
3/22/2016	0.0397	
5/17/2016	0.0351	
7/6/2016	0.0475	
9/7/2016	0.0415	
10/18/2016	0.0424	
12/6/2016	0.0528	
2/1/2017	0.0482	
3/24/2017	0.0595	
10/4/2017	0.0486	
3/15/2018	0.04	
10/4/2018	0.05	
4/8/2019		0.047
9/30/2019		0.051
3/26/2020		0.049
9/23/2020		0.043
3/8/2021		0.052

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	0.15	
5/8/2007	0.14	
7/17/2007	0.1	
8/28/2007	0.1	
11/7/2007	0.11	
5/9/2008	0.15	
12/2/2008	0.11	
4/8/2009	0.16	
10/1/2009	0.11	
4/14/2010	0.15	
10/13/2010	0.1	
4/6/2011	0.13	
10/4/2011	0.089	
4/10/2012	0.126	
9/26/2012	0.093	
3/12/2013	0.13	
9/10/2013	0.14	
3/4/2014	0.11	
9/3/2014	0.1	
4/21/2015	0.14	
9/30/2015	0.096	
3/23/2016	0.132	
5/17/2016	0.122	
7/6/2016	0.101	
9/7/2016	0.0985	
10/18/2016	0.104	
12/6/2016	0.1	
2/2/2017	0.147	
3/27/2017	0.158	
10/5/2017	0.106	
3/15/2018	0.18	
5/15/2018	0.16	
10/4/2018	0.2	
12/11/2018	0.18	
1/11/2019		0.17
4/9/2019		0.17
10/1/2019		0.12
3/27/2020		0.037
9/25/2020		0.11
3/9/2021		0.15

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	0.072	
5/9/2007	0.063	
7/17/2007	0.058	
8/28/2007	0.06	
11/7/2007	0.072	
5/7/2008	0.076	
12/3/2008	0.066	
4/14/2009	0.08	
10/1/2009	0.074	
4/13/2010	0.062	
10/12/2010	0.078	
4/6/2011	0.066	
10/12/2011	0.071	
4/5/2012	0.0675	
9/19/2012	0.073	
3/13/2013	0.075	
9/10/2013	0.081	
3/10/2014	0.064	
9/3/2014	0.078	
4/22/2015	0.067	
9/30/2015	0.075	
3/24/2016	0.0818	
5/18/2016	0.0763	
7/7/2016	0.0747	
9/8/2016	0.081	
10/19/2016	0.084	
12/8/2016	0.0799	
2/2/2017	0.0813	
3/27/2017	0.0714	
10/5/2017	0.0755	
3/16/2018	0.074	
10/5/2018	0.081	
4/9/2019		0.081
10/1/2019		0.082
3/30/2020		0.077
9/24/2020		0.079
3/9/2021		0.077



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	0.088	
5/9/2007	0.07	
7/17/2007	0.063	
8/28/2007	0.066	
11/7/2007	0.07	
5/7/2008	0.071	
12/4/2008	0.068	
4/14/2009	0.076	
10/2/2009	0.07	
4/13/2010	0.085	
10/12/2010	0.075	
4/6/2011	0.077	
10/12/2011	0.12	
4/5/2012	0.143	
9/25/2012	0.13	
3/13/2013	0.14	
9/11/2013	0.15	
3/10/2014	0.13	
9/9/2014	0.16	
4/22/2015	0.15	
9/30/2015	0.15	
3/24/2016	0.152	
5/18/2016	0.146	
7/6/2016	0.152	
9/8/2016	0.142	
10/18/2016	0.145	
12/7/2016	0.133	
2/2/2017	0.14	
3/27/2017	0.152	
10/5/2017	0.142	
3/15/2018	0.14	
10/4/2018	0.16	
4/9/2019		0.15
10/1/2019		0.15
3/31/2020		0.17
9/28/2020		0.15
3/10/2021		0.15

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	0.11	
5/9/2007	0.082	
7/17/2007	0.078	
8/29/2007	0.096	
11/7/2007	0.1	
5/7/2008	0.11	
12/5/2008	0.11	
4/14/2009	0.11	
9/30/2009	0.12	
4/13/2010	0.11	
10/12/2010	0.12	
10/12/2011	0.11	
4/9/2012	0.13	
9/25/2012	0.13	
3/13/2013	0.12	
9/11/2013	0.12	
3/10/2014	0.11	
9/9/2014	0.11	
4/23/2015	0.11	
9/30/2015	0.11	
3/23/2016	0.115	
5/18/2016	0.128	
7/7/2016	0.124	
9/8/2016	0.121	
10/19/2016	0.117	
12/7/2016	0.11	
2/3/2017	0.123	
3/27/2017	0.112	
10/5/2017	0.128	
3/16/2018	0.12	
10/5/2018	0.12	
4/9/2019		0.13
10/1/2019		0.14
3/31/2020		0.15
6/19/2020		0.14 (R)
9/23/2020		0.13
3/10/2021		0.13

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	0.038	
5/9/2007	0.046	
7/17/2007	0.06	
8/29/2007	0.07	
11/7/2007	0.055	
5/7/2008	0.032	
12/5/2008	0.06	
4/27/2009	0.032	
9/30/2009	0.046	
4/13/2010	0.035	
10/12/2010	0.15	
10/5/2011	0.055	
4/10/2012	0.0399	
9/26/2012	0.093	
3/13/2013	0.066	
9/11/2013	0.053	
3/11/2014	0.039	
9/9/2014	0.14	
9/30/2015	0.15	
3/24/2016	0.046	
5/18/2016	0.0557	
7/7/2016	0.0596	
9/8/2016	0.184	
10/19/2016	0.186	
12/7/2016	0.174	
2/2/2017	0.0783	
3/27/2017	0.0363	
10/5/2017	0.0562	
3/15/2018	0.086	
10/4/2018	0.079	
4/9/2019		0.05
10/1/2019		0.18
3/31/2020		0.044
9/24/2020		0.19
3/9/2021		0.12

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	0.023	
5/9/2007	0.034	
7/17/2007	0.034	
8/29/2007	0.048	
11/7/2007	0.042	
5/7/2008	0.078	
12/5/2008	0.067	
4/14/2009	0.083	
9/30/2009	0.086	
4/13/2010	0.087	
10/12/2010	0.082	
4/6/2011	0.082	
10/5/2011	0.082	
4/9/2012	0.0959	
9/25/2012	0.09	
3/13/2013	0.092	
9/11/2013	0.096	
3/11/2014	0.085	
9/9/2014	0.096	
4/23/2015	0.093	
9/30/2015	0.096	
3/23/2016	0.0938	
5/18/2016	0.0983	
7/7/2016	0.121	
9/8/2016	0.0917	
10/19/2016	0.091	
12/7/2016	0.0868	
2/2/2017	0.0939	
3/27/2017	0.0905	
10/5/2017	0.0945	
3/15/2018	0.096	
10/4/2018	0.1	
4/9/2019		0.094
10/1/2019		0.1
3/31/2020		0.1
9/23/2020		0.1
3/9/2021		0.089

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	0.05	
5/9/2007	0.055	
7/17/2007	0.048	
8/29/2007	0.056	
11/7/2007	0.07	
5/7/2008	0.063	
12/5/2008	0.068	
4/14/2009	0.062	
10/1/2009	0.064	
4/14/2010	0.048	
10/13/2010	0.071	
4/6/2011	0.042	
10/12/2011	0.066	
4/9/2012	0.0628	
9/19/2012	0.073	
3/13/2013	0.057	
9/10/2013	0.066	
3/11/2014	0.054	
9/3/2014	0.06	
4/23/2015	0.06	
9/30/2015	0.076	
3/23/2016	0.0533	
5/19/2016	0.074	
7/7/2016	0.0766	
9/8/2016	0.0726	
10/19/2016	0.072	
12/7/2016	0.0732	
2/3/2017	0.0619	
3/27/2017	0.0602	
10/5/2017	0.0734	
3/15/2018	0.053	
10/5/2018	0.065	
4/8/2019		0.059
10/1/2019		0.082
3/26/2020		0.071
9/23/2020		0.079
3/9/2021		0.085

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	0.1	
5/8/2007	0.11	
7/6/2007	0.11	
8/28/2007	0.1	
11/6/2007	0.1	
5/8/2008	0.11	
12/3/2008	0.091	
4/7/2009	0.094	
10/1/2009	0.097	
4/14/2010	0.096	
10/14/2010	0.1	
4/5/2011	0.092	
10/12/2011	0.12	
4/4/2012	0.105	
9/24/2012	0.13	
3/12/2013	0.1	
9/10/2013	0.13	
3/5/2014	0.084	
9/9/2014	0.11	
4/21/2015	0.11	
9/29/2015	0.097	
3/23/2016	0.0993	
5/17/2016	0.104	
7/6/2016	0.104	
9/7/2016	0.0945	
10/18/2016	0.0928	
12/8/2016	0.1	
2/1/2017	0.0972	
3/23/2017	0.105	
10/4/2017	0.102	
3/16/2018	0.091	
10/4/2018	0.084	
4/9/2019		0.067
10/1/2019		0.09
3/31/2020		0.064
9/25/2020		0.074
3/9/2021		0.063

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/7/2007	0.057	
5/9/2007	0.054	
7/17/2007	0.059	
8/28/2007	0.061	
11/6/2007	0.074	
5/8/2008	0.079	
12/3/2008	0.1	
4/7/2009	0.091	
10/1/2009	0.092	
4/13/2010	0.095	
10/6/2010	0.11	
4/5/2011	0.1	
10/4/2011	0.11	
4/3/2012	0.116	
9/18/2012	0.12	
3/12/2013	0.11	
9/9/2013	0.13	
3/5/2014	0.12	
9/8/2014	0.13	
4/22/2015	0.14	
9/29/2015	0.14	
3/23/2016	0.156	
5/17/2016	0.168	
7/6/2016	0.171	
9/7/2016	0.154	
10/18/2016	0.159	
12/8/2016	0.156	
2/1/2017	0.163	
3/23/2017	0.161	
10/4/2017	0.171	
3/16/2018	0.17	
10/4/2018	0.19	
4/8/2019		0.15
10/1/2019		0.18
3/31/2020		0.18
9/25/2020		0.16
3/9/2021		0.17

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	0.011	
7/6/2007	0.0065	
8/28/2007	0.0095	
11/6/2007	0.013	
5/8/2008	0.011	
12/2/2008	0.011	
4/8/2009	0.0091	
10/1/2009	0.0098	
4/13/2010	0.0084	
10/7/2010	0.01	
4/5/2011	0.015	
10/4/2011	0.01	
4/3/2012	0.0426	
9/18/2012	0.02	
3/12/2013	0.35	
9/10/2013	0.11	
3/5/2014	0.054	
9/8/2014	0.044	
4/21/2015	0.065	
9/29/2015	0.036	
3/23/2016	0.263	
5/18/2016	0.245	
7/6/2016	0.117	
9/7/2016	0.0703	
10/18/2016	0.068	
12/8/2016	0.0791	
2/2/2017	0.17	
3/24/2017	0.181	
10/4/2017	0.0937	
3/15/2018	0.15	
10/4/2018	0.08	
4/8/2019		0.24
10/1/2019		0.085
3/30/2020		0.21
9/24/2020		0.11
3/9/2021		0.31



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	0.13	
7/6/2007	0.12	
8/28/2007	0.11	
11/6/2007	0.1	
5/8/2008	0.1	
12/2/2008	0.11	
4/8/2009	0.1	
9/30/2009	0.099	
4/13/2010	0.098	
10/13/2010	0.092	
4/5/2011	0.085	
10/4/2011	0.091	
4/3/2012	0.101	
9/19/2012	0.1	
3/12/2013	0.098	
9/10/2013	0.11	
3/5/2014	0.087	
9/9/2014	0.1	
4/22/2015	0.095	
9/29/2015	0.093	
3/23/2016	0.0918	
5/18/2016	0.0957	
7/6/2016	0.0935	
9/8/2016	0.0925	
10/18/2016	0.0939	
12/8/2016	0.0996	
2/2/2017	0.096	
3/24/2017	0.106	
10/5/2017	0.103	
3/14/2018	0.1	
10/4/2018	0.11	
4/8/2019		0.13
6/18/2019		0.17
10/1/2019		0.12
3/27/2020		0.14
9/24/2020		0.14
3/9/2021		0.14

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	0.059	
5/8/2007	0.055	
7/6/2007	0.052	
8/28/2007	0.047	
11/6/2007	0.048	
5/8/2008	0.052	
12/2/2008	0.056	
4/8/2009	0.057	
9/30/2009	0.055	
4/13/2010	0.053	
10/13/2010	0.054	
4/5/2011	0.035 (o)	
10/4/2011	0.058	
4/4/2012	0.0632	
9/19/2012	0.061	
3/12/2013	0.056	
9/10/2013	0.067	
3/5/2014	0.055	
9/3/2014	0.051	
4/21/2015	0.059	
9/29/2015	0.06	
3/23/2016	0.0636	
5/18/2016	0.0629	
7/6/2016	0.0646	
9/8/2016	0.063	
10/19/2016	0.0644	
12/8/2016	0.0648	
2/2/2017	0.0656	
3/27/2017	0.0619	
10/5/2017	0.0655	
3/15/2018	0.062	
10/5/2018	0.07	
4/8/2019		0.058
10/1/2019		0.071
3/27/2020		0.06
9/24/2020		0.06
3/9/2021		0.059

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.0005	
5/8/2007	<0.0005	
7/17/2007	<0.0005	
8/28/2007	<0.0005	
11/6/2007	<0.0005	
5/8/2008	<0.0005	
12/3/2008	<0.0005	
4/7/2009	<0.0005	
10/2/2009	<0.0005	
4/14/2010	<0.0005	
10/14/2010	<0.0005	
4/5/2011	<0.0005	
10/12/2011	<0.0005	
4/4/2012	<0.0005	
9/26/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/11/2014	<0.0005	
9/8/2014	<0.0005	
4/21/2015	8E-05 (J)	
9/29/2015	<0.0005	
3/22/2016	<0.0005	
5/17/2016	<0.0005	
7/5/2016	<0.0005	
9/7/2016	<0.0005	
10/18/2016	<0.0005	
12/6/2016	<0.0005	
2/1/2017	<0.0005	
3/23/2017	<0.0005	
10/4/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/5/2019		<0.0005
9/30/2019		<0.0005
3/26/2020		<0.0005
9/23/2020		<0.0005
3/8/2021		<0.0005

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.0005	
5/9/2007	<0.0005	
7/17/2007	<0.0005	
8/28/2007	<0.0005	
11/7/2007	<0.0005	
5/7/2008	<0.0005	
12/4/2008	<0.0005	
4/14/2009	<0.0005	
10/2/2009	<0.0005	
4/13/2010	<0.0005	
10/12/2010	<0.0005	
4/6/2011	<0.0005	
10/12/2011	<0.0005	
4/5/2012	<0.0005	
9/25/2012	<0.0005	
3/13/2013	<0.0005	
9/11/2013	<0.0005	
3/10/2014	<0.0005	
9/9/2014	<0.0005	
4/22/2015	<0.0005	
9/30/2015	<0.0005	
3/24/2016	<0.0005	
5/18/2016	<0.0005	
7/6/2016	<0.0005	
9/8/2016	<0.0005	
10/18/2016	<0.0005	
12/7/2016	<0.0005	
2/2/2017	<0.0005	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/31/2020		<0.0005
9/28/2020		0.0001 (J)
3/10/2021		<0.0005

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	0.28 (o)	
7/6/2007	0.093	
8/28/2007	0.057	
11/6/2007	0.036	
5/8/2008	0.013	
12/2/2008	0.01	
4/8/2009	0.0076	
10/1/2009	0.0057	
4/13/2010	0.0061	
10/7/2010	0.0039	
4/5/2011	0.0025	
10/4/2011	0.0024	
4/3/2012	0.0008	
9/18/2012	0.002	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/5/2014	0.00037 (J)	
9/8/2014	0.00055 (J)	
4/21/2015	0.00033 (J)	
9/29/2015	0.00046 (J)	
3/23/2016	<0.0005	
5/18/2016	<0.0005	
7/6/2016	0.0002 (J)	
9/7/2016	0.0002 (J)	
10/18/2016	0.0002 (J)	
12/8/2016	0.0003 (J)	
2/2/2017	<0.0005	
3/24/2017	<0.0005	
10/4/2017	0.0001 (J)	
3/15/2018	<0.0005	
10/4/2018	0.0002 (J)	
4/8/2019		5.8E-05 (J)
10/1/2019		0.0001 (J)
3/30/2020		<0.0005
9/24/2020		5E-05 (J)
3/9/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.0005	
5/8/2007	<0.0005	
7/17/2007	<0.0005	
8/28/2007	<0.0005	
11/6/2007	<0.0005	
5/8/2008	<0.0005	
12/3/2008	<0.0005	
4/7/2009	<0.0005	
10/2/2009	<0.0005	
4/14/2010	<0.0005	
10/14/2010	<0.0005	
4/5/2011	<0.0005	
10/12/2011	<0.0005	
4/4/2012	<0.0005	
9/24/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/11/2014	<0.0005	
9/8/2014	<0.0005	
4/21/2015	<0.0005	
9/29/2015	<0.0005	
3/22/2016	<0.0005	
5/17/2016	<0.0005	
7/6/2016	<0.0005	
9/7/2016	<0.0005	
10/18/2016	<0.0005	
12/6/2016	<0.0005	
2/1/2017	0.0001 (J)	
3/24/2017	<0.0005	
10/4/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/8/2019		<0.0005
9/30/2019		<0.0005
3/26/2020		<0.0005
9/23/2020		<0.0005
3/8/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.0005	
5/8/2007	<0.0005	
7/17/2007	<0.0005	
8/28/2007	<0.0005	
11/7/2007	<0.0005	
5/9/2008	<0.0005	
12/2/2008	<0.0005	
4/8/2009	<0.0005	
10/1/2009	<0.0005	
4/14/2010	<0.0005	
10/13/2010	<0.0005	
4/6/2011	<0.0005	
10/4/2011	<0.0005	
4/10/2012	<0.0005	
9/26/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/4/2014	<0.0005	
9/3/2014	<0.0005	
4/21/2015	<0.0005	
9/30/2015	<0.0005	
3/23/2016	<0.0005	
5/17/2016	<0.0005	
7/6/2016	<0.0005	
9/7/2016	<0.0005	
10/18/2016	<0.0005	
12/6/2016	<0.0005	
2/2/2017	9E-05 (J)	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/27/2020		<0.0005
9/25/2020		<0.0005
3/9/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.0005	
5/9/2007	<0.0005	
7/17/2007	<0.0005	
8/28/2007	<0.0005	
11/7/2007	<0.0005	
5/7/2008	<0.0005	
12/3/2008	<0.0005	
4/14/2009	<0.0005	
10/1/2009	<0.0005	
4/13/2010	<0.0005	
10/12/2010	<0.0005	
4/6/2011	<0.0005	
10/12/2011	<0.0005	
4/5/2012	<0.0005	
9/19/2012	<0.0005	
3/13/2013	<0.0005	
9/10/2013	<0.0005	
3/10/2014	<0.0005	
9/3/2014	<0.0005	
4/22/2015	<0.0005	
9/30/2015	<0.0005	
3/24/2016	<0.0005	
5/18/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	<0.0005	
10/19/2016	<0.0005	
12/8/2016	<0.0005	
2/2/2017	8E-05 (J)	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/16/2018	<0.0005	
10/5/2018	<0.0005	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/30/2020		<0.0005
9/24/2020		<0.0005
3/9/2021		<0.0005



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.0005	
5/9/2007	<0.0005	
7/17/2007	<0.0005	
8/29/2007	<0.0005	
11/7/2007	<0.0005	
5/7/2008	<0.0005	
12/5/2008	<0.0005	
4/14/2009	<0.0005	
9/30/2009	<0.0005	
4/13/2010	<0.0005	
10/12/2010	<0.0005	
10/12/2011	<0.0005	
4/9/2012	<0.0005	
9/25/2012	<0.0005	
3/13/2013	<0.0005	
9/11/2013	<0.0005	
3/10/2014	<0.0005	
9/9/2014	<0.0005	
4/23/2015	<0.0005	
9/30/2015	<0.0005	
3/23/2016	<0.0005	
5/18/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	<0.0005	
10/19/2016	<0.0005	
12/7/2016	<0.0005	
2/3/2017	<0.0005	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/16/2018	<0.0005	
10/5/2018	0.00011 (J)	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/31/2020		<0.0005
9/23/2020		<0.0005
3/10/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.0005	
5/9/2007	<0.0005	
7/17/2007	<0.0005	
8/29/2007	<0.0005	
11/7/2007	<0.0005	
5/7/2008	<0.0005	
12/5/2008	<0.0005	
4/27/2009	<0.0005	
9/30/2009	<0.0005	
4/13/2010	<0.0005	
10/12/2010	<0.0005	
10/5/2011	<0.0005	
4/10/2012	<0.0005	
9/26/2012	<0.0005	
3/13/2013	<0.0005	
9/11/2013	<0.0005	
3/11/2014	<0.0005	
9/9/2014	<0.0005	
9/30/2015	<0.0005	
3/24/2016	<0.0005	
5/18/2016	<0.0005	
7/7/2016	0.0001 (J)	
9/8/2016	<0.0005	
10/19/2016	<0.0005	
12/7/2016	<0.0005	
2/2/2017	0.0001 (J)	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/31/2020		<0.0005
9/24/2020		<0.0005
3/9/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.0005	
5/9/2007	<0.0005	
7/17/2007	<0.0005	
8/29/2007	<0.0005	
11/7/2007	<0.0005	
5/7/2008	<0.0005	
12/5/2008	<0.0005	
4/14/2009	<0.0005	
10/1/2009	<0.0005	
4/14/2010	<0.0005	
10/13/2010	<0.0005	
4/6/2011	<0.0005	
10/12/2011	<0.0005	
4/9/2012	<0.0005	
9/19/2012	<0.0005	
3/13/2013	<0.0005	
9/10/2013	<0.0005	
3/11/2014	<0.0005	
9/3/2014	<0.0005	
4/23/2015	<0.0005	
9/30/2015	<0.0005	
3/23/2016	<0.0005	
5/19/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	<0.0005	
10/19/2016	<0.0005	
12/7/2016	<0.0005	
2/3/2017	8E-05 (J)	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/15/2018	<0.0005	
10/5/2018	<0.0005	
4/8/2019		<0.0005
10/1/2019		<0.0005
3/26/2020		<0.0005
9/23/2020		<0.0005
3/9/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	0.0015	
5/8/2007	<0.0005	
7/6/2007	<0.0005	
8/28/2007	<0.0005	
11/6/2007	<0.0005	
5/8/2008	<0.0005	
12/3/2008	<0.0005	
4/7/2009	<0.0005	
10/1/2009	<0.0005	
4/14/2010	<0.0005	
10/14/2010	<0.0005	
4/5/2011	<0.0005	
10/12/2011	<0.0005	
4/4/2012	<0.0005	
9/24/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/5/2014	<0.0005	
9/9/2014	<0.0005	
4/21/2015	<0.0005	
9/29/2015	<0.0005	
3/23/2016	<0.0005	
5/17/2016	<0.0005	
7/6/2016	<0.0005	
9/7/2016	<0.0005	
10/18/2016	<0.0005	
12/8/2016	<0.0005	
2/1/2017	<0.0005	
3/23/2017	<0.0005	
10/4/2017	<0.0005	
3/16/2018	<0.0005	
10/4/2018	<0.0005	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/31/2020		<0.0005
9/25/2020		<0.0005
3/9/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	0.023 (o)	
7/6/2007	0.0081 (o)	
8/28/2007	0.0035	
11/6/2007	0.0028	
5/8/2008	<0.0005	
12/2/2008	<0.0005	
4/8/2009	0.0013	
10/1/2009	<0.0005	
4/13/2010	<0.0005	
10/7/2010	<0.0005	
4/5/2011	<0.0005	
10/4/2011	<0.0005	
4/3/2012	<0.0005	
9/18/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/5/2014	<0.0005	
9/8/2014	<0.0005	
4/21/2015	0.0015	
9/29/2015	<0.0005	
3/23/2016	<0.0005	
5/18/2016	<0.0005	
7/6/2016	<0.0005	
9/7/2016	<0.0005	
10/18/2016	<0.0005	
12/8/2016	<0.0005	
2/2/2017	0.0001 (J)	
3/24/2017	<0.0005	
10/4/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/8/2019		<0.0005
10/1/2019		<0.0005
3/30/2020		<0.0005
9/24/2020		<0.0005
3/9/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.0005	
7/6/2007	<0.0005	
8/28/2007	<0.0005	
11/6/2007	<0.0005	
5/8/2008	<0.0005	
12/2/2008	<0.0005	
4/8/2009	<0.0005	
9/30/2009	<0.0005	
4/13/2010	<0.0005	
10/13/2010	<0.0005	
4/5/2011	<0.0005	
10/4/2011	<0.0005	
4/3/2012	<0.0005	
9/19/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/5/2014	<0.0005	
9/9/2014	<0.0005	
4/22/2015	<0.0005	
9/29/2015	<0.0005	
3/23/2016	<0.0005	
5/18/2016	<0.0005	
7/6/2016	<0.0005	
9/8/2016	<0.0005	
10/18/2016	<0.0005	
12/8/2016	<0.0005	
2/2/2017	8E-05 (J)	
3/24/2017	<0.0005	
10/5/2017	<0.0005	
3/14/2018	<0.0005	
10/4/2018	<0.0005	
4/8/2019		<0.0005
10/1/2019		<0.0005
3/27/2020		<0.0005
9/24/2020		<0.0005
3/9/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.0005	
5/8/2007	<0.0005	
7/6/2007	<0.0005	
8/28/2007	<0.0005	
11/6/2007	<0.0005	
5/8/2008	<0.0005	
12/2/2008	<0.0005	
4/8/2009	<0.0005	
9/30/2009	<0.0005	
4/13/2010	<0.0005	
10/13/2010	<0.0005	
4/5/2011	<0.0005	
10/4/2011	<0.0005	
4/4/2012	<0.0005	
9/19/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/5/2014	<0.0005	
9/3/2014	<0.0005	
4/21/2015	0.00029 (J)	
9/29/2015	<0.0005	
3/23/2016	<0.0005	
5/18/2016	<0.0005	
7/6/2016	<0.0005	
9/8/2016	<0.0005	
10/19/2016	<0.0005	
12/8/2016	<0.0005	
2/2/2017	8E-05 (J)	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/15/2018	<0.0005	
10/5/2018	<0.0005	
4/8/2019		<0.0005
10/1/2019		<0.0005
3/27/2020		<0.0005
9/24/2020		<0.0005
3/9/2021		<0.0005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/10/2011	<0.005	
4/3/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/11/2013	<0.005	
3/4/2014	0.00032 (J)	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
1/31/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/14/2018	0.016	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		<0.005
9/23/2020		<0.005
3/8/2021		<0.005



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	0.0013	
11/7/2007	0.0024	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	0.0018 (J)	
2/1/2017	<0.005	
3/24/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		<0.005
9/22/2020		<0.005
3/8/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/6/2011	<0.005	
10/6/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/7/2016	<0.005	
1/31/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		0.00043 (J)
9/21/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	0.0014	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/5/2019		<0.005
9/30/2019		<0.005
3/26/2020		0.00062 (J)
9/23/2020		<0.005
3/8/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/24/2017	0.0004 (J)	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		0.0013 (J)
9/23/2020		<0.005
3/8/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	0.00424 (J)	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	0.0013 (J)	
2/2/2017	0.001 (J)	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/27/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/3/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/10/2014	<0.005	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00086 (J)
3/30/2020		0.00071 (J)
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/4/2008	<0.005	
4/14/2009	<0.005	
10/2/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	<0.005	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/18/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	0.0012 (J)	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		0.00042 (J)
9/28/2020		0.00063 (J)
3/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	0.0016	
11/7/2007	0.0016	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	<0.005	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	0.0064 (J)	
12/7/2016	<0.005	
2/3/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/23/2020		<0.005
3/10/2021		<0.005



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/27/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/5/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	0.0015	
9/30/2015	<0.005	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		0.00093 (J)
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.005	
5/9/2007	0.002	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	0.0013	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/5/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		0.0023 (J)
10/1/2019		<0.005
3/31/2020		0.0015 (J)
9/23/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.005	
5/9/2007	0.0013	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/3/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/3/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		<0.005
10/1/2019		0.0051 (J)
3/26/2020		<0.005
9/23/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/9/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.0012 (J)
3/31/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/6/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/5/2014	<0.005	
9/8/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
10/1/2019		<0.005
3/31/2020		0.00085 (J)
9/25/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	0.11 (o)	
7/6/2007	0.0029	
8/28/2007	0.0038	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	0.0016	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	0.0018	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/24/2017	0.0011 (J)	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
10/1/2019		<0.005
3/30/2020		0.00041 (J)
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	0.0035	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	0.0017	
3/5/2014	<0.005	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/24/2017	<0.005	
10/5/2017	0.0005 (J)	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
10/1/2019		0.0005 (J)
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.005	
5/8/2007	0.0013	
7/6/2007	<0.005	
8/28/2007	0.0014	
11/6/2007	0.0024	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		<0.005
10/1/2019		<0.005
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/6/2007	<0.01	
5/8/2007	<0.01	
7/7/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/9/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/10/2011	<0.01	
4/3/2012	<0.01	
9/24/2012	<0.01	
3/12/2013	<0.01	
9/11/2013	<0.01	
3/4/2014	0.00043 (J)	
9/3/2014	0.00076 (J)	
4/21/2015	0.00051 (J)	
9/30/2015	0.0006 (J)	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/5/2016	0.0004 (J)	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	0.0006 (J)	
1/31/2017	0.0006 (J)	
3/23/2017	0.0007 (J)	
10/4/2017	0.0006 (J)	
3/14/2018	<0.01	
10/4/2018	0.00058 (J)	
4/8/2019		0.00026 (J)
9/30/2019		0.00042 (J)
3/26/2020		0.00049 (J)
9/23/2020		0.00051 (J)
3/8/2021		0.0005 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.01	
5/8/2007	<0.01	
7/17/2007	<0.01	
8/28/2007	<0.01	
11/7/2007	<0.01	
5/9/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/4/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/4/2014	0.00047 (J)	
9/3/2014	0.00065 (J)	
4/21/2015	0.00062 (J)	
9/29/2015	0.0009 (J)	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	0.0009 (J)	
9/7/2016	0.0011 (J)	
10/18/2016	0.0011 (J)	
12/6/2016	0.0011 (J)	
2/1/2017	0.0011 (J)	
3/24/2017	0.0008 (J)	
10/5/2017	0.0008 (J)	
3/15/2018	<0.01	
10/4/2018	0.00072 (J)	
4/8/2019		0.00076 (J)
9/30/2019		0.00054 (J)
3/26/2020		0.00063 (J)
9/22/2020		0.00049 (J)
3/8/2021		0.00049 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/6/2011	<0.005	
10/6/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/7/2016	<0.005	
1/31/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		6.1E-05 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/21/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	0.0003 (J)	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	0.0007 (J)	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/5/2019		0.00031 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/23/2020		<0.005
3/8/2021		<0.005

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	0.0016	
3/12/2013	<0.005	
9/10/2013	0.002	
3/11/2014	<0.005	
9/8/2014	0.001 (J)	
4/21/2015	<0.005	
9/29/2015	0.0025 (J)	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	0.0004 (J)	
9/7/2016	0.0008 (J)	
10/18/2016	<0.005	
12/6/2016	0.0026 (J)	
2/1/2017	0.0013 (J)	
3/24/2017	0.0014 (J)	
10/4/2017	0.0012 (J)	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00044 (J)
9/30/2019		0.00079 (J)
3/26/2020		0.00082 (J)
9/23/2020		<0.005
3/8/2021		0.00061 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/27/2020		0.00082 (J)
9/25/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/27/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/12/2010	<0.01	
10/5/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	0.0033	
3/13/2013	<0.01	
9/11/2013	0.0018	
3/11/2014	0.00029 (J)	
9/9/2014	0.0011 (J)	
9/30/2015	<0.01	
3/24/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	0.0016 (J)	
9/8/2016	0.0006 (J)	
10/19/2016	0.0006 (J)	
12/7/2016	0.0006 (J)	
2/2/2017	<0.01	
3/27/2017	0.001 (J)	
10/5/2017	0.0051 (J)	
3/15/2018	<0.01	
10/4/2018	0.0065 (J)	
4/9/2019		0.0023 (J)
10/1/2019		0.00046 (J)
3/31/2020		0.0019 (J)
9/24/2020		0.00068 (J)
3/9/2021		0.00049 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/3/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/3/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	0.00058 (J)	
4/8/2019		0.00046 (J)
10/1/2019		0.00033 (J)
3/26/2020		0.00035 (J)
9/23/2020		<0.005
3/9/2021		<0.005



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/9/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	0.0007 (J)	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/25/2020		0.00057 (J)
3/9/2021		0.00043 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/6/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/5/2014	<0.005	
9/8/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00022 (J)
10/1/2019		<0.005
3/31/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	6.5 (o)	
7/6/2007	2.1 (o)	
8/28/2007	1.4 (o)	
11/6/2007	1.1 (o)	
5/8/2008	0.75	
12/2/2008	0.41	
4/8/2009	0.38	
10/1/2009	0.29	
4/13/2010	0.26	
10/7/2010	0.24	
4/5/2011	0.17	
10/4/2011	0.19	
4/3/2012	0.114	
9/18/2012	0.14	
3/12/2013	0.041	
9/10/2013	0.06	
3/5/2014	0.049	
9/8/2014	0.068	
4/21/2015	0.043	
9/29/2015	0.0525	
3/23/2016	0.0172	
5/18/2016	0.021	
7/6/2016	0.0278	
9/7/2016	0.0334	
10/18/2016	0.0368	
12/8/2016	0.0419	
2/2/2017	0.0113	
3/24/2017	0.0094 (J)	
10/4/2017	0.0237	
3/15/2018	0.014	
10/4/2018	0.024	
4/8/2019		0.0086 (J)
10/1/2019		0.017
3/30/2020		0.012
9/24/2020		0.01
3/9/2021		0.0093

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/13/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	<0.01	
9/9/2014	<0.01	
4/22/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
5/18/2016	<0.01	
7/6/2016	<0.01	
9/8/2016	<0.01	
10/18/2016	<0.01	
12/8/2016	<0.01	
2/2/2017	<0.01	
3/24/2017	<0.01	
10/5/2017	0.0003 (J)	
3/14/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		0.0017 (J)
10/1/2019		0.00081 (J)
3/27/2020		0.0016 (J)
9/24/2020		0.0011 (J)
3/9/2021		0.0013 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	0.0004 (J)	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	0.0004 (J)	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		0.00041 (J)
10/1/2019		0.00041 (J)
3/27/2020		0.00063 (J)
9/24/2020		<0.005
3/9/2021		0.00042 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	0.0032	
11/7/2007	0.0036	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/24/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.0013 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/22/2020		<0.005
3/8/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	0.0032	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/6/2011	<0.005	
10/6/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	0.0011 (J)	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00029 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/21/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	0.0028	
8/28/2007	0.0039	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/5/2019		<0.005
9/30/2019		<0.005
3/26/2020		0.00022 (J)
9/23/2020		<0.005
3/8/2021		<0.005



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	0.0061	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	0.0066	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/24/2017	<0.005	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		<0.005
9/23/2020		<0.005
3/8/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	0.0025	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/27/2020		0.00022 (J)
9/25/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	0.0029	
5/7/2008	<0.005	
12/3/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/10/2014	<0.005	
9/3/2014	0.00099 (J)	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00037 (J)
3/30/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	0.0035	
5/7/2008	<0.005	
12/4/2008	<0.005	
4/14/2009	<0.005	
10/2/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	<0.005	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	0.0004 (J)	
10/5/2017	0.0005 (J)	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		0.0014 (J)
10/1/2019		0.00019 (J)
3/31/2020		<0.005
9/28/2020		<0.005
3/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	0.0028	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	<0.005	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00023 (J)
3/31/2020		<0.005
9/23/2020		<0.005
3/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	0.0029	
5/7/2008	0.0026	
12/5/2008	<0.005	
4/27/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/5/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	0.0013 (J)	
9/30/2015	0.0008 (J)	
3/24/2016	<0.005	
9/8/2016	0.0006 (J)	
3/27/2017	0.0005 (J)	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00084 (J)
3/31/2020		0.00082 (J)
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	0.0033	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/5/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00031 (J)
3/31/2020		0.0002 (J)
9/23/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	0.0084	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/3/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	0.0012 (J)	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	0.0003 (J)	
3/15/2018	0.0016 (J)	
10/5/2018	<0.005	
4/8/2019		0.0005 (J)
10/1/2019		0.00083 (J)
3/26/2020		0.00067 (J)
9/23/2020		<0.005
3/9/2021		<0.005



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	0.0027	
5/8/2007	0.0026	
7/6/2007	<0.005	
8/28/2007	0.0036	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/9/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00031 (J)
3/31/2020		0.00019 (J)
9/25/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/6/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/5/2014	<0.005	
9/8/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
10/1/2019		0.00023 (J)
3/31/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	0.44 (o)	
7/6/2007	0.016	
8/28/2007	0.0091	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	0.003	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	0.00082 (J)	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/24/2017	0.0007 (J)	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00025 (J)
10/1/2019		0.00034 (J)
3/30/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/24/2017	<0.005	
10/5/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
10/1/2019		0.00036 (J)
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	0.0043	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		<0.005
10/1/2019		<0.005
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.001	
5/8/2007	<0.001	
7/17/2007	<0.001	
8/28/2007	<0.001	
11/7/2007	<0.001	
5/9/2008	<0.001	
12/2/2008	<0.001	
4/8/2009	<0.001	
10/1/2009	<0.001	
4/14/2010	<0.001	
10/13/2010	<0.001	
4/6/2011	<0.001	
10/4/2011	<0.001	
4/10/2012	<0.001	
9/26/2012	<0.001	
3/12/2013	<0.001	
9/10/2013	<0.001	
3/4/2014	<0.001	
9/3/2014	<0.001	
4/21/2015	<0.001	
9/29/2015	<0.001	
3/22/2016	<0.001	
5/17/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/6/2016	<0.001	
2/1/2017	<0.001	
3/24/2017	7E-05 (J)	
10/5/2017	<0.001	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/8/2019		<0.001
9/30/2019		<0.001
3/26/2020		<0.001
9/22/2020		<0.001
3/8/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/5/2019		<0.005
9/30/2019		<0.005
3/26/2020		4.7E-05 (J)
9/23/2020		<0.005
3/8/2021		4E-05 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.001	
5/8/2007	<0.001	
7/17/2007	<0.001	
8/28/2007	<0.001	
11/7/2007	<0.001	
5/9/2008	<0.001	
12/2/2008	<0.001	
4/8/2009	<0.001	
10/1/2009	<0.001	
4/14/2010	<0.001	
10/13/2010	<0.001	
4/6/2011	<0.001	
10/4/2011	<0.001	
4/10/2012	<0.001	
9/26/2012	<0.001	
3/12/2013	<0.001	
9/10/2013	<0.001	
3/4/2014	<0.001	
9/3/2014	<0.001	
4/21/2015	<0.001	
9/30/2015	<0.001	
3/23/2016	<0.001	
5/17/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/6/2016	<0.001	
2/2/2017	<0.001	
3/27/2017	<0.001	
10/5/2017	<0.001	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/9/2019		<0.001
10/1/2019		<0.001
3/27/2020		5.4E-05 (J)
9/25/2020		<0.001
3/9/2021		<0.001



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.001	
5/9/2007	<0.001	
7/17/2007	<0.001	
8/28/2007	<0.001	
11/7/2007	<0.001	
5/7/2008	<0.001	
12/3/2008	<0.001	
4/14/2009	<0.001	
10/1/2009	<0.001	
4/13/2010	<0.001	
10/12/2010	<0.001	
4/6/2011	<0.001	
10/12/2011	<0.001	
4/5/2012	<0.001	
9/19/2012	<0.001	
3/13/2013	<0.001	
9/10/2013	<0.001	
3/10/2014	<0.001	
9/3/2014	<0.001	
4/22/2015	<0.001	
9/30/2015	<0.001	
3/24/2016	<0.001	
5/18/2016	<0.001	
7/7/2016	<0.001	
9/8/2016	<0.001	
10/19/2016	<0.001	
12/8/2016	<0.001	
2/2/2017	<0.001	
3/27/2017	<0.001	
10/5/2017	<0.001	
3/16/2018	<0.001	
10/5/2018	<0.001	
4/9/2019		<0.001
10/1/2019		<0.001
3/30/2020		<0.001
9/24/2020		4E-05 (J)
3/9/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.001	
5/9/2007	<0.001	
7/17/2007	<0.001	
8/28/2007	<0.001	
11/7/2007	<0.001	
5/7/2008	<0.001	
12/4/2008	<0.001	
4/14/2009	<0.001	
10/2/2009	<0.001	
4/13/2010	<0.001	
10/12/2010	<0.001	
4/6/2011	<0.001	
10/12/2011	<0.001	
4/5/2012	<0.001	
9/25/2012	<0.001	
3/13/2013	<0.001	
9/11/2013	<0.001	
3/10/2014	<0.001	
9/9/2014	<0.001	
4/22/2015	<0.001	
9/30/2015	<0.001	
3/24/2016	<0.001	
5/18/2016	<0.001	
7/6/2016	<0.001	
9/8/2016	<0.001	
10/18/2016	<0.001	
12/7/2016	<0.001	
2/2/2017	<0.001	
3/27/2017	<0.001	
10/5/2017	0.0002 (J)	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/9/2019		<0.001
10/1/2019		<0.001
3/31/2020		6.1E-05 (J)
9/28/2020		0.00014 (J)
3/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.001	
5/9/2007	<0.001	
7/17/2007	<0.001	
8/29/2007	<0.001	
11/7/2007	<0.001	
5/7/2008	<0.001	
12/5/2008	<0.001	
4/14/2009	<0.001	
9/30/2009	<0.001	
4/13/2010	<0.001	
10/12/2010	<0.001	
10/12/2011	<0.001	
4/9/2012	<0.001	
9/25/2012	<0.001	
3/13/2013	<0.001	
9/11/2013	<0.001	
3/10/2014	<0.001	
9/9/2014	<0.001	
4/23/2015	<0.001	
9/30/2015	<0.001	
3/23/2016	<0.001	
5/18/2016	<0.001	
7/7/2016	<0.001	
9/8/2016	<0.001	
10/19/2016	<0.001	
12/7/2016	<0.001	
2/3/2017	<0.001	
3/27/2017	7E-05 (J)	
10/5/2017	<0.001	
3/16/2018	<0.001	
10/5/2018	<0.001	
4/9/2019		<0.001
10/1/2019		<0.001
3/31/2020		<0.001
9/23/2020		<0.001
3/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/27/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/5/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	0.0001 (J)	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		7.5E-05 (J)
3/31/2020		<0.005
9/24/2020		0.00012 (J)
3/9/2021		0.00013 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/5/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00012 (J)
3/31/2020		0.00013 (J)
9/23/2020		6.6E-05 (J)
3/9/2021		3.8E-05 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/3/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/3/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	0.00042 (J)	
4/8/2019		0.00018 (J)
10/1/2019		0.00022 (J)
3/26/2020		0.00016 (J)
9/23/2020		0.00036 (J)
3/9/2021		0.00011 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.001	
5/8/2007	<0.001	
7/6/2007	<0.001	
8/28/2007	<0.001	
11/6/2007	<0.001	
5/8/2008	<0.001	
12/3/2008	<0.001	
4/7/2009	<0.001	
10/1/2009	<0.001	
4/14/2010	<0.001	
10/14/2010	<0.001	
4/5/2011	<0.001	
10/12/2011	<0.001	
4/4/2012	<0.001	
9/24/2012	<0.001	
3/12/2013	<0.001	
9/10/2013	<0.001	
3/5/2014	<0.001	
9/9/2014	<0.001	
4/21/2015	<0.001	
9/29/2015	<0.001	
3/23/2016	<0.001	
5/17/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/8/2016	<0.001	
2/1/2017	<0.001	
3/23/2017	<0.001	
10/4/2017	<0.001	
3/16/2018	<0.001	
10/4/2018	<0.001	
4/9/2019		0.00039 (J)
10/1/2019		6.5E-05 (J)
3/31/2020		<0.001
9/25/2020		<0.001
3/9/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/7/2007	<0.001	
5/9/2007	<0.001	
7/17/2007	<0.001	
8/28/2007	<0.001	
11/6/2007	<0.001	
5/8/2008	<0.001	
12/3/2008	<0.001	
4/7/2009	<0.001	
10/1/2009	<0.001	
4/13/2010	<0.001	
10/6/2010	<0.001	
4/5/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
9/18/2012	<0.001	
3/12/2013	<0.001	
9/9/2013	<0.001	
3/5/2014	<0.001	
9/8/2014	<0.001	
4/22/2015	<0.001	
9/29/2015	<0.001	
3/23/2016	<0.001	
5/17/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/8/2016	0.0001 (J)	
2/1/2017	<0.001	
3/23/2017	<0.001	
10/4/2017	<0.001	
3/16/2018	<0.001	
10/4/2018	<0.001	
4/8/2019		<0.001
10/1/2019		<0.001
3/31/2020		<0.001
9/25/2020		<0.001
3/9/2021		<0.001



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.0016 (J)	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	0.0001 (J)	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	0.0003 (J)	
3/24/2017	0.0002 (J)	
10/4/2017	7E-05 (J)	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
10/1/2019		5E-05 (J)
3/30/2020		4.8E-05 (J)
9/24/2020		6E-05 (J)
3/9/2021		8.5E-05 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.001	
7/6/2007	<0.001	
8/28/2007	<0.001	
11/6/2007	<0.001	
5/8/2008	<0.001	
12/2/2008	<0.001	
4/8/2009	<0.001	
9/30/2009	<0.001	
4/13/2010	<0.001	
10/13/2010	<0.001	
4/5/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
9/19/2012	<0.001	
3/12/2013	<0.001	
9/10/2013	<0.001	
3/5/2014	<0.001	
9/9/2014	<0.001	
4/22/2015	<0.001	
9/29/2015	<0.001	
3/23/2016	<0.001	
5/18/2016	<0.001	
7/6/2016	<0.001	
9/8/2016	<0.001	
10/18/2016	<0.001	
12/8/2016	0.0002 (J)	
2/2/2017	<0.001	
3/24/2017	<0.001	
10/5/2017	<0.001	
3/14/2018	<0.001	
10/4/2018	<0.001	
4/8/2019		<0.001
10/1/2019		<0.001
3/27/2020		<0.001
9/24/2020		4.9E-05 (J)
3/9/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/10/2011	<0.005	
4/3/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/11/2013	<0.005	
3/4/2014	0.001 (J)	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	0.0008 (J)	
3/23/2017	0.0007 (J)	
10/4/2017	0.0006 (J)	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00034 (J)
9/30/2019		0.00037 (J)
3/26/2020		0.00065 (J)
9/23/2020		<0.005
3/8/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.01	
5/8/2007	<0.01	
7/17/2007	<0.01	
8/28/2007	<0.01	
11/7/2007	<0.01	
5/9/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/4/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/4/2014	0.002 (J)	
9/3/2014	0.002 (J)	
4/21/2015	0.002 (J)	
9/29/2015	0.0022 (J)	
3/22/2016	<0.01	
9/7/2016	0.0026 (J)	
3/24/2017	0.0024 (J)	
10/5/2017	0.0023 (J)	
3/15/2018	0.0026 (J)	
10/4/2018	0.0023 (J)	
4/8/2019		0.0023 (J)
9/30/2019		0.0017 (J)
3/26/2020		0.002 (J)
9/22/2020		0.0014 (J)
3/8/2021		0.001 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/6/2011	<0.005	
10/6/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/4/2014	0.0007 (J)	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		<0.005
9/21/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	0.0013 (J)	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	0.0022 (J)	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/5/2019		0.00075 (J)
9/30/2019		<0.005
3/26/2020		0.0011 (J)
9/23/2020		<0.005
3/8/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	0.0032	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	0.0032	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	0.0026	
9/8/2014	0.0017 (J)	
4/21/2015	0.0016 (J)	
9/29/2015	0.0055	
3/22/2016	<0.005	
9/7/2016	0.0014 (J)	
3/24/2017	0.0017 (J)	
10/4/2017	0.0023 (J)	
3/15/2018	0.0024 (J)	
10/4/2018	0.0013 (J)	
4/8/2019		0.00089 (J)
9/30/2019		0.0013 (J)
3/26/2020		0.00096 (J)
9/23/2020		0.00091 (J)
3/8/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/27/2020		0.0023 (J)
9/25/2020		<0.005
3/9/2021		<0.005



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/3/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/10/2014	0.0013 (J)	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
9/8/2016	0.0009 (J)	
3/27/2017	0.0006 (J)	
10/5/2017	0.0008 (J)	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.0015 (J)
3/30/2020		0.00048 (J)
9/24/2020		0.0011 (J)
3/9/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/4/2008	<0.005	
4/14/2009	<0.005	
10/2/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	0.00072 (J)	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	0.0062 (J)	
10/5/2017	0.0005 (J)	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/28/2020		<0.005
3/10/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	0.00074 (J)	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	0.0006 (J)	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/23/2020		<0.005
3/10/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	0.0055	
11/7/2007	0.0044	
5/7/2008	0.0047	
12/5/2008	<0.005	
4/27/2009	0.0027	
9/30/2009	0.0051	
4/13/2010	0.0031	
10/12/2010	<0.005	
10/5/2011	0.0032	
4/10/2012	<0.005	
9/26/2012	0.0063	
3/13/2013	0.0029	
9/11/2013	0.0046	
3/11/2014	0.002 (J)	
9/9/2014	0.0029	
9/30/2015	0.0025 (J)	
3/24/2016	0.00317 (J)	
9/8/2016	0.0038 (J)	
3/27/2017	0.0024 (J)	
10/5/2017	0.0104	
3/15/2018	0.0026 (J)	
10/4/2018	0.012	
12/11/2018	0.0052 (J)	
4/9/2019		0.0048 (J)
10/1/2019		0.0031 (J)
3/31/2020		0.0039 (J)
9/24/2020		0.0068
3/9/2021		0.0013 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/5/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	0.00059 (J)	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/23/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	0.0016 (J)	
9/3/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	0.0011 (J)	
3/27/2017	0.0007 (J)	
10/5/2017	<0.005	
3/15/2018	0.001 (J)	
10/5/2018	0.0014 (J)	
4/8/2019		0.0011 (J)
10/1/2019		0.0035 (J)
3/26/2020		0.001 (J)
9/23/2020		0.00079 (J)
3/9/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.001 (J)	
9/9/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	0.0008 (J)	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		0.00098 (J)
10/1/2019		0.00088 (J)
3/31/2020		0.0013 (J)
9/25/2020		0.00078 (J)
3/9/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/6/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/5/2014	0.00092 (J)	
9/8/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00032 (J)
10/1/2019		0.00042 (J)
3/31/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	18 (o)	
7/6/2007	5.9 (o)	
8/28/2007	3.9	
11/6/2007	3.1	
5/8/2008	2.1	
12/2/2008	1.2	
4/8/2009	1.1	
10/1/2009	0.88	
4/13/2010	0.82	
10/7/2010	0.72	
4/5/2011	0.52	
10/4/2011	0.56	
4/3/2012	0.365	
9/18/2012	0.45	
3/12/2013	0.13	
9/10/2013	0.2	
3/5/2014	0.17	
9/8/2014	0.25	
4/21/2015	0.15	
9/29/2015	0.203	
3/23/2016	0.0607	
9/7/2016	0.141	
3/24/2017	0.0313	
10/4/2017	0.093	
3/15/2018	0.057	
10/4/2018	0.11	
4/8/2019		0.03
10/1/2019		0.07
3/30/2020		0.037
9/24/2020		0.042
3/9/2021		0.035

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.00079 (J)	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/24/2017	<0.005	
10/5/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00064 (J)
10/1/2019		0.00063 (J)
3/27/2020		0.00053 (J)
9/24/2020		0.001 (J)
3/9/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.01	
5/8/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/13/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	0.003	
3/5/2014	0.0022 (J)	
9/3/2014	<0.01	
4/21/2015	0.0019 (J)	
9/29/2015	0.0019 (J)	
3/23/2016	<0.01	
9/8/2016	0.0023 (J)	
3/27/2017	0.0023 (J)	
10/5/2017	0.0024 (J)	
3/15/2018	0.0023 (J)	
10/5/2018	0.0025 (J)	
4/8/2019		0.0021 (J)
10/1/2019		0.0022 (J)
3/27/2020		0.0022 (J)
9/24/2020		0.0024 (J)
3/9/2021		0.0014 (J)

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/24/2017	<0.005	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00014 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/23/2020		<0.005
3/8/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	0.0016 (J)	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/27/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/27/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/5/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	0.0024 (J)	
9/9/2014	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	0.0017 (J)	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/5/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	0.0017 (J)	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.0014 (J)
3/31/2020		<0.005
9/23/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.0018 (J)	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		<0.005
10/1/2019		<0.005
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005



# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/27/2009	0.0036	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/5/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	<0.001	
7/6/2007	<0.001	
8/28/2007	<0.001	
11/6/2007	<0.001	
5/8/2008	<0.001	
12/2/2008	<0.001	
4/8/2009	<0.001	
10/1/2009	<0.001	
4/13/2010	<0.001	
10/7/2010	<0.001	
4/5/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
9/18/2012	<0.001	
3/12/2013	<0.001	
3/5/2014	<0.001	
9/8/2014	<0.001	
4/21/2015	<0.001	
9/29/2015	<0.001	
3/23/2016	<0.001	
5/18/2016	<0.001	
7/6/2016	0.0001 (J)	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/8/2016	<0.001	
2/2/2017	<0.001	
3/24/2017	<0.001	
10/4/2017	<0.001	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/8/2019		<0.001
10/1/2019		<0.001
3/30/2020		<0.001
9/24/2020		<0.001
3/9/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/27/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/12/2010	<0.01	
10/5/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	<0.01	
3/13/2013	<0.01	
9/11/2013	<0.01	
3/11/2014	<0.01	
9/9/2014	0.0029 (J)	
9/30/2015	0.001 (J)	
3/24/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/9/2019		<0.01
10/1/2019		<0.01
3/31/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/14/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/12/2011	<0.01	
4/9/2012	<0.01	
9/19/2012	<0.01	
3/13/2013	<0.01	
9/10/2013	<0.01	
3/11/2014	<0.01	
9/3/2014	<0.01	
4/23/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/5/2018	<0.01	
4/8/2019		0.00017 (J)
10/1/2019		<0.01
3/26/2020		<0.01
9/23/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.01	
5/8/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/14/2010	<0.01	
4/5/2011	<0.01	
10/12/2011	<0.01	
4/4/2012	<0.01	
9/24/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	<0.01	
9/9/2014	0.00093 (J)	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
9/7/2016	<0.01	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/16/2018	<0.01	
10/4/2018	<0.01	
4/9/2019		<0.01
10/1/2019		<0.01
3/31/2020		<0.01
9/25/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	0.0039	
4/13/2010	<0.01	
10/7/2010	<0.01	
4/5/2011	0.0025	
10/4/2011	0.0027	
4/3/2012	<0.01	
9/18/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	<0.01	
9/8/2014	0.0012 (J)	
4/21/2015	0.0015 (J)	
9/29/2015	<0.01	
3/23/2016	<0.01	
9/7/2016	<0.01	
3/24/2017	<0.01	
10/4/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
10/1/2019		<0.01
3/30/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.01	
5/8/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	0.0029	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/13/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	<0.01	
9/3/2014	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/5/2018	<0.01	
4/8/2019		<0.01
10/1/2019		<0.01
3/27/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/6/2007	<0.01	
5/8/2007	<0.01	
7/7/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/9/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	0.0028	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/10/2011	<0.01	
4/3/2012	<0.01	
9/24/2012	<0.01	
3/12/2013	<0.01	
9/11/2013	<0.01	
3/4/2014	0.0026	
9/3/2014	0.001 (J)	
4/21/2015	<0.01	
9/30/2015	<0.01	
3/22/2016	<0.01	
9/7/2016	0.0047 (J)	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/14/2018	0.0032 (J)	
10/4/2018	0.003 (J)	
4/8/2019		<0.01
9/30/2019		0.0032 (J)
3/26/2020		<0.01
9/23/2020		0.0025 (J)
3/8/2021		<0.01



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.01	
5/8/2007	0.0025	
7/17/2007	0.0047	
8/28/2007	0.0033	
11/7/2007	<0.01	
5/9/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/4/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/4/2014	<0.01	
9/3/2014	0.00074 (J)	
4/21/2015	<0.01	
9/29/2015	0.0024 (J)	
3/22/2016	<0.01	
9/7/2016	0.0023 (J)	
3/24/2017	0.0068 (J)	
10/5/2017	<0.01	
3/15/2018	0.0042 (J)	
10/4/2018	0.0046 (J)	
4/8/2019		0.0024 (J)
9/30/2019		0.004 (J)
3/26/2020		<0.01
9/22/2020		<0.01
3/8/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/6/2007	<0.01	
5/8/2007	<0.01	
7/7/2007	<0.01	
8/28/2007	0.0026	
11/6/2007	<0.01	
5/9/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	<0.01	
10/1/2009	<0.01	
4/13/2010	<0.01	
10/7/2010	<0.01	
4/6/2011	<0.01	
10/6/2011	<0.01	
4/3/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/9/2013	<0.01	
3/4/2014	0.0035	
9/3/2014	0.0015 (J)	
4/22/2015	<0.01	
9/30/2015	0.0026 (J)	
3/22/2016	<0.01	
9/7/2016	0.0024 (J)	
3/23/2017	<0.01	
10/4/2017	0.0017 (J)	
3/14/2018	0.0023 (J)	
10/4/2018	0.0041 (J)	
4/8/2019		0.0014 (J)
9/30/2019		0.0043 (J)
3/26/2020		<0.01
9/21/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.01	
5/8/2007	<0.01	
7/17/2007	0.0033	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	0.0033	
12/3/2008	0.0054	
4/7/2009	<0.01	
10/2/2009	<0.01	
4/14/2010	0.003	
10/14/2010	<0.01	
4/5/2011	<0.01	
10/12/2011	<0.01	
4/4/2012	<0.01	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/11/2014	0.0037	
9/8/2014	0.00087 (J)	
4/21/2015	0.002 (J)	
9/29/2015	0.0021 (J)	
3/22/2016	<0.01	
9/7/2016	0.0034 (J)	
3/23/2017	0.0031 (J)	
10/4/2017	<0.01	
3/15/2018	0.0028 (J)	
10/4/2018	0.0043 (J)	
4/5/2019		0.0013 (J)
9/30/2019		0.0045 (J)
3/26/2020		<0.01
9/23/2020		<0.01
3/8/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.02	
5/8/2007	<0.02	
7/17/2007	<0.02	
8/28/2007	0.0026	
11/6/2007	<0.02	
5/8/2008	0.0037	
12/3/2008	0.003	
4/7/2009	0.0045	
10/2/2009	0.0027	
4/14/2010	<0.02	
10/14/2010	0.0041	
4/5/2011	<0.02	
10/12/2011	0.0033	
4/4/2012	<0.02	
9/24/2012	0.0039	
3/12/2013	<0.02	
9/10/2013	0.0035	
3/11/2014	0.0045	
9/8/2014	0.0026	
4/21/2015	0.0028	
9/29/2015	0.008 (J)	
3/22/2016	<0.02	
9/7/2016	0.0035 (J)	
3/24/2017	0.0095 (J)	
10/4/2017	0.0031 (J)	
3/15/2018	0.0041 (J)	
10/4/2018	0.0058 (J)	
4/8/2019		0.0023 (J)
9/30/2019		0.0059 (J)
3/26/2020		<0.02
9/23/2020		0.0025 (J)
3/8/2021		0.0034 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.01	
5/8/2007	<0.01	
7/17/2007	0.0069	
8/28/2007	<0.01	
11/7/2007	<0.01	
5/9/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/4/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/4/2014	0.0026	
9/3/2014	0.00079 (J)	
4/21/2015	<0.01	
9/30/2015	0.0018 (J)	
3/23/2016	<0.01	
9/7/2016	<0.01	
3/27/2017	0.0014 (J)	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	0.0033 (J)	
4/9/2019		<0.01
10/1/2019		0.0049 (J)
3/27/2020		<0.01
9/25/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.01	
5/9/2007	0.0026	
7/17/2007	0.0043	
8/28/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/3/2008	<0.01	
4/14/2009	<0.01	
10/1/2009	<0.01	
4/13/2010	<0.01	
10/12/2010	<0.01	
4/6/2011	<0.01	
10/12/2011	<0.01	
4/5/2012	<0.01	
9/19/2012	<0.01	
3/13/2013	<0.01	
9/10/2013	<0.01	
3/10/2014	0.0022 (J)	
9/3/2014	0.0013 (J)	
4/22/2015	0.0019 (J)	
9/30/2015	0.0037 (J)	
3/24/2016	<0.01	
9/8/2016	0.0024 (J)	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/16/2018	<0.01	
10/5/2018	0.0029 (J)	
4/9/2019		0.0037 (J)
10/1/2019		0.006 (J)
3/30/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.01	
5/9/2007	0.0025	
7/17/2007	0.0035	
8/28/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/4/2008	<0.01	
4/14/2009	<0.01	
10/2/2009	<0.01	
4/13/2010	0.0043	
10/12/2010	<0.01	
4/6/2011	<0.01	
10/12/2011	<0.01	
4/5/2012	<0.01	
9/25/2012	<0.01	
3/13/2013	<0.01	
9/11/2013	<0.01	
3/10/2014	0.0031	
9/9/2014	0.00098 (J)	
4/22/2015	0.0015 (J)	
9/30/2015	0.002 (J)	
3/24/2016	<0.01	
9/8/2016	0.0029 (J)	
3/27/2017	0.0019 (J)	
10/5/2017	0.0024 (J)	
3/15/2018	<0.01	
10/4/2018	0.013	
4/9/2019		<0.01
10/1/2019		0.0049 (J)
3/31/2020		<0.01
9/28/2020		0.0033 (J)
3/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/14/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/12/2010	<0.01	
10/12/2011	<0.01	
4/9/2012	<0.01	
9/25/2012	<0.01	
3/13/2013	<0.01	
9/11/2013	<0.01	
3/10/2014	0.0024 (J)	
9/9/2014	0.00078 (J)	
4/23/2015	<0.01	
9/30/2015	0.0016 (J)	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	0.0017 (J)	
10/5/2017	0.0016 (J)	
3/16/2018	<0.01	
10/5/2018	<0.01	
4/9/2019		<0.01
10/1/2019		0.0063 (J)
3/31/2020		<0.01
9/23/2020		<0.01
3/10/2021		<0.01



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.02	
5/9/2007	<0.02	
7/17/2007	0.0031	
8/29/2007	0.0056	
11/7/2007	0.0059	
5/7/2008	0.0059	
12/5/2008	<0.02	
4/27/2009	0.0051	
9/30/2009	0.0066	
4/13/2010	0.0041	
10/12/2010	0.004	
10/5/2011	0.0043	
4/10/2012	0.0108	
9/26/2012	0.0066	
3/13/2013	0.0035	
9/11/2013	0.005	
3/11/2014	0.005	
9/9/2014	0.0041	
9/30/2015	0.0031 (J)	
3/24/2016	0.00393 (J)	
9/8/2016	0.0047 (J)	
3/27/2017	0.0036 (J)	
10/5/2017	0.0065 (J)	
3/15/2018	0.0053 (J)	
10/4/2018	0.0077 (J)	
4/9/2019		0.0041 (J)
10/1/2019		0.0078 (J)
3/31/2020		<0.02
9/24/2020		0.0046 (J)
3/9/2021		0.0033 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.01	
5/9/2007	0.0035	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/14/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/12/2010	<0.01	
4/6/2011	<0.01	
10/5/2011	<0.01	
4/9/2012	<0.01	
9/25/2012	<0.01	
3/13/2013	<0.01	
9/11/2013	<0.01	
3/11/2014	0.0037	
9/9/2014	0.0006 (J)	
4/23/2015	<0.01	
9/30/2015	0.0021 (J)	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	0.003 (J)	
4/9/2019		<0.01
10/1/2019		0.0054 (J)
3/31/2020		<0.01
9/23/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	0.0054	
5/9/2007	0.0041	
7/17/2007	0.005	
8/29/2007	0.0044	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/14/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/12/2011	<0.01	
4/9/2012	<0.01	
9/19/2012	<0.01	
3/13/2013	<0.01	
9/10/2013	<0.01	
3/11/2014	0.0033	
9/3/2014	0.0014 (J)	
4/23/2015	0.0024 (J)	
9/30/2015	0.0041 (J)	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	0.0014 (J)	
10/5/2017	0.0014 (J)	
3/15/2018	0.0039 (J)	
10/5/2018	0.0048 (J)	
4/8/2019		0.0016 (J)
10/1/2019		0.0057 (J)
3/26/2020		<0.01
9/23/2020		0.0022 (J)
3/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	0.0064	
5/8/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	0.0025	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	0.0025	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/14/2010	<0.01	
4/5/2011	0.0025	
10/12/2011	0.0037	
4/4/2012	<0.01	
9/24/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	0.0028	
9/9/2014	0.00058 (J)	
4/21/2015	0.0043	
9/29/2015	0.0031 (J)	
3/23/2016	0.00272 (J)	
9/7/2016	<0.01	
3/23/2017	0.0026 (J)	
10/4/2017	<0.01	
3/16/2018	<0.01	
10/4/2018	0.0028 (J)	
4/9/2019		<0.01
10/1/2019		0.0053 (J)
3/31/2020		<0.01
9/25/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/7/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	<0.01	
10/1/2009	<0.01	
4/13/2010	<0.01	
10/6/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
9/18/2012	<0.01	
3/12/2013	<0.01	
9/9/2013	<0.01	
3/5/2014	0.0026	
9/8/2014	0.00055 (J)	
4/22/2015	<0.01	
9/29/2015	0.0026 (J)	
3/23/2016	<0.01	
9/7/2016	0.0024 (J)	
3/23/2017	0.0035 (J)	
10/4/2017	<0.01	
3/16/2018	0.0029 (J)	
10/4/2018	0.0039 (J)	
4/8/2019		0.0013 (J)
10/1/2019		0.0056 (J)
3/31/2020		<0.01
9/25/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	45 (o)	
7/6/2007	16 (o)	
8/28/2007	11 (o)	
11/6/2007	8.3	
5/8/2008	5	
12/2/2008	3.2	
4/8/2009	2.4	
10/1/2009	1.9	
4/13/2010	1.9	
10/7/2010	1.6	
4/5/2011	1.1	
10/4/2011	1.1	
4/3/2012	0.75	
9/18/2012	0.88	
3/12/2013	0.23	
9/10/2013	0.36	
3/5/2014	0.33	
9/8/2014	0.47	
4/21/2015	0.27	
9/29/2015	0.359	
3/23/2016	0.102	
9/7/2016	0.24	
3/24/2017	0.0512	
10/4/2017	0.159	
3/15/2018	0.12	
10/4/2018	0.22	
4/8/2019		0.051
10/1/2019		0.12
3/30/2020		0.051
9/24/2020		0.07
3/9/2021		0.057

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	0.0038	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/13/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	0.0028	
9/9/2014	0.0014 (J)	
4/22/2015	<0.01	
9/29/2015	0.0016 (J)	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/24/2017	0.0031 (J)	
10/5/2017	<0.01	
3/14/2018	0.0053 (J)	
10/4/2018	0.0031 (J)	
4/8/2019		0.0012 (J)
10/1/2019		0.0055 (J)
3/27/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/1/2021 1:24 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.01	
5/8/2007	0.0027	
7/6/2007	0.0032	
8/28/2007	0.0026	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/13/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	0.0029	
9/3/2014	0.0011 (J)	
4/21/2015	<0.01	
9/29/2015	0.0034 (J)	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	0.0014 (J)	
10/5/2017	0.0013 (J)	
3/15/2018	<0.01	
10/5/2018	0.0044 (J)	
4/8/2019		0.0016 (J)
10/1/2019		0.0052 (J)
3/27/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01



FIGURE E.

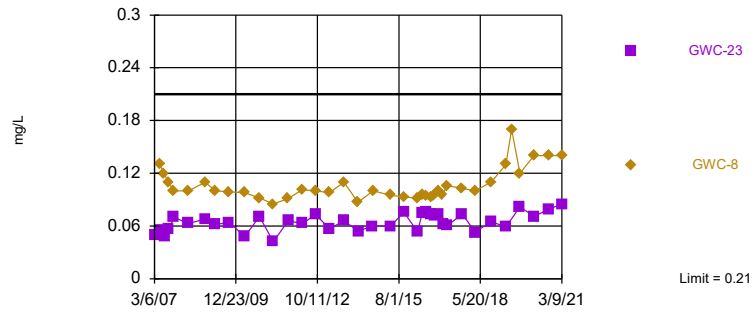
# State Interwell Prediction Limits - All Results (No Significant)

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 1:27 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-23	0.21	n/a	3/9/2021	0.085	No	185	n/a	n/a	0	n/a	n/a	0.00005765NP	Inter (normality) 1 of 2
Barium (mg/L)	GWC-8	0.21	n/a	3/9/2021	0.14	No	185	n/a	n/a	0	n/a	n/a	0.00005765NP	Inter (normality) 1 of 2

Within Limit

### Prediction Limit Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 185 background values. Annual per-constituent alpha = 0.001383. Individual comparison alpha = 0.00005765 (1 of 2). Comparing 2 points to limit. Assumes 10 future values.

Constituent: Barium    Analysis Run 4/1/2021 1:27 PM    View: State Parameters - Interwell  
Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:27 PM View: State Parameters - Interwell

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-3 (bg)	GWA-2 (bg)	GWC-23	GWA-4 (bg)	GWA-11 (bg)	GWC-8
3/6/2007	0.032	0.17	0.12	0.05	0.13		
3/7/2007						0.03	
5/8/2007	0.04	0.21	0.11		0.12	0.032	
5/9/2007				0.055			0.13
7/6/2007							0.12
7/7/2007	0.041		0.11				
7/17/2007		0.21		0.048	0.12	0.028	
8/28/2007	0.044	0.2	0.13		0.13	0.03	0.11
8/29/2007				0.056			
11/6/2007	0.044	0.19	0.12		0.12		0.1
11/7/2007				0.07		0.032	
5/7/2008				0.063			
5/8/2008		0.2			0.13		0.1
5/9/2008	0.03		0.12			0.032	
12/2/2008						0.036	0.11
12/3/2008	0.047	0.18	0.12		0.14		
12/5/2008				0.068			
4/7/2009	0.032	0.2	0.13		0.097		
4/8/2009						0.04	0.1
4/14/2009				0.062			
9/30/2009							0.099
10/1/2009	0.043		0.14	0.064		0.039	
10/2/2009		0.2			0.11		
4/13/2010			0.15				0.098
4/14/2010	0.032	0.2		0.048	0.059	0.041	
10/7/2010			0.16				
10/13/2010	0.046			0.071		0.039	0.092
10/14/2010		0.18			0.053		
4/5/2011		0.16			0.042		0.085
4/6/2011	0.034		0.14	0.042		0.034	
10/4/2011						0.032	0.091
10/6/2011			0.16				
10/10/2011	0.038						
10/12/2011		0.15		0.066	0.048		
4/3/2012	0.0363		0.165				0.101
4/4/2012		0.165			0.044		
4/9/2012				0.0628			
4/10/2012						0.0425	
9/19/2012			0.16	0.073			0.1
9/24/2012	0.041				0.048		
9/26/2012		0.17				0.035	
3/12/2013	0.041	0.17	0.16		0.043	0.035	0.098
3/13/2013				0.057			
9/9/2013			0.17				
9/10/2013		0.18		0.066	0.042	0.035	0.11
9/11/2013	0.048						
3/4/2014	0.036		0.16			0.031	
3/5/2014							0.087
3/11/2014		0.17		0.054	0.04		
9/3/2014	0.04		0.17	0.06		0.033	
9/8/2014		0.16			0.042		
9/9/2014							0.1

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/1/2021 1:27 PM View: State Parameters - Interwell  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-3 (bg)	GWA-2 (bg)	GWC-23	GWA-4 (bg)	GWA-11 (bg)	GWC-8
4/21/2015	0.033	0.16			0.05	0.03	
4/22/2015			0.17				0.095
4/23/2015				0.06			
9/29/2015		0.14			0.044	0.031	0.093
9/30/2015	0.042		0.15	0.076			
3/22/2016	0.0326	0.188	0.197		0.0397	0.0327	
3/23/2016				0.0533			0.0918
5/17/2016	0.0387	0.193	0.178		0.0351	0.0323	
5/18/2016							0.0957
5/19/2016				0.074			
7/5/2016	0.0403	0.172	0.182				
7/6/2016					0.0475	0.0344	0.0935
7/7/2016				0.0766			
9/7/2016	0.0413	0.164	0.172		0.0415	0.0324	
9/8/2016				0.0726			0.0925
10/18/2016	0.0409	0.138	0.174		0.0424	0.0311	0.0939
10/19/2016				0.072			
12/6/2016	0.0408	0.149			0.0528	0.0311	
12/7/2016			0.167	0.0732			
12/8/2016							0.0996
1/31/2017	0.0435		0.176				
2/1/2017		0.121			0.0482	0.0332	
2/2/2017							0.096
2/3/2017				0.0619			
3/23/2017	0.038	0.143	0.157				
3/24/2017					0.0595	0.032	0.106
3/27/2017				0.0602			
10/4/2017	0.0396	0.139	0.143		0.0486		
10/5/2017				0.0734		0.0325	0.103
3/14/2018	0.039		0.17				0.1
3/15/2018		0.17		0.053	0.04	0.031	
10/4/2018	0.039	0.16	0.18		0.05	0.033	0.11
10/5/2018				0.065			
4/5/2019		0.13					
4/8/2019	0.031		0.15	0.059	0.047	0.031	0.13
6/18/2019							0.17
9/30/2019	0.042	0.14	0.17		0.051	0.03	
10/1/2019				0.082			0.12
3/26/2020	0.032	0.14	0.16	0.071	0.049	0.031	
3/27/2020							0.14
9/21/2020			0.18				
9/22/2020						0.031	
9/23/2020	0.041	0.14		0.079	0.043		
9/24/2020							0.14
3/8/2021	0.035	0.12			0.052	0.031	
3/9/2021			0.17	0.085			0.14

FIGURE F.

# State Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 1:32 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWA-2 (bg)	0.003826	359	199	Yes	37	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	-0.004861	-394	-199	Yes	37	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	-0.002733	-224	-199	Yes	37	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-23	0.001249	222	199	Yes	37	0	n/a	n/a	0.01	NP

# State Trend Tests - Prediction Limit Exceedances - All Results

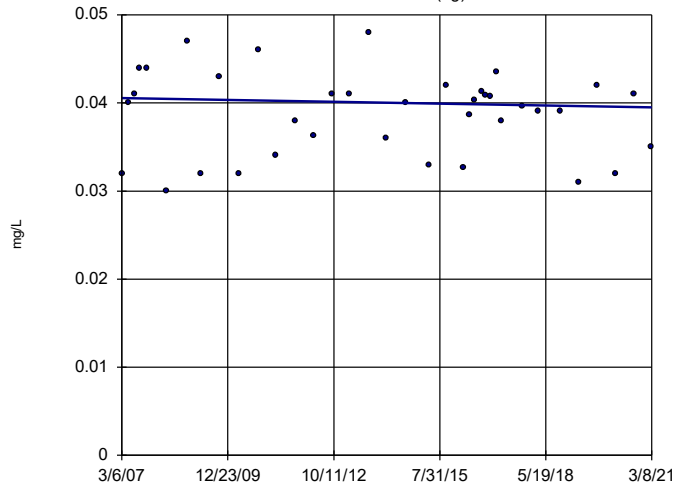
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 1:32 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.00007595	-37	-199	No	37	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-11 (bg)	-0.00016	-135	-199	No	37	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>0.003826</b>	<b>359</b>	<b>199</b>	<b>Yes</b>	<b>37</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWA-3 (bg)</b>	<b>-0.004861</b>	<b>-394</b>	<b>-199</b>	<b>Yes</b>	<b>37</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWA-4 (bg)</b>	<b>-0.002733</b>	<b>-224</b>	<b>-199</b>	<b>Yes</b>	<b>37</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWC-23</b>	<b>0.001249</b>	<b>222</b>	<b>199</b>	<b>Yes</b>	<b>37</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWC-8	0.0007645	111	199	No	37	0	n/a	n/a	0.01	NP



### Sen's Slope Estimator

GWA-1 (bg)

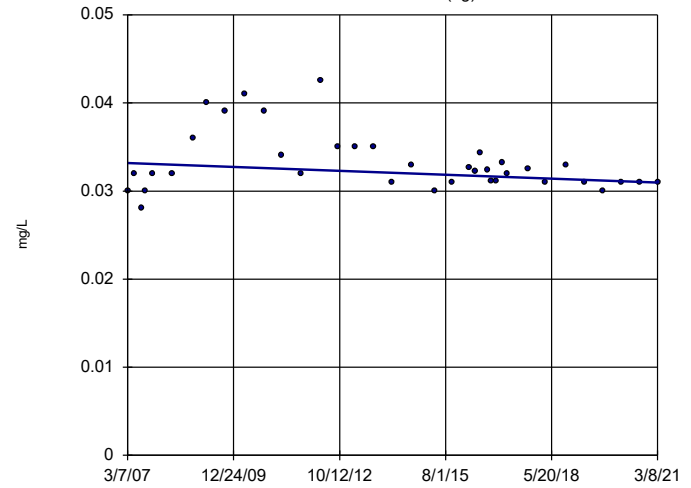


n = 37  
 Slope = -0.0007595  
 units per year.  
 Mann-Kendall  
 statistic = -37  
 critical = -199  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 4/1/2021 1:32 PM View: State Parameters Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWA-11 (bg)

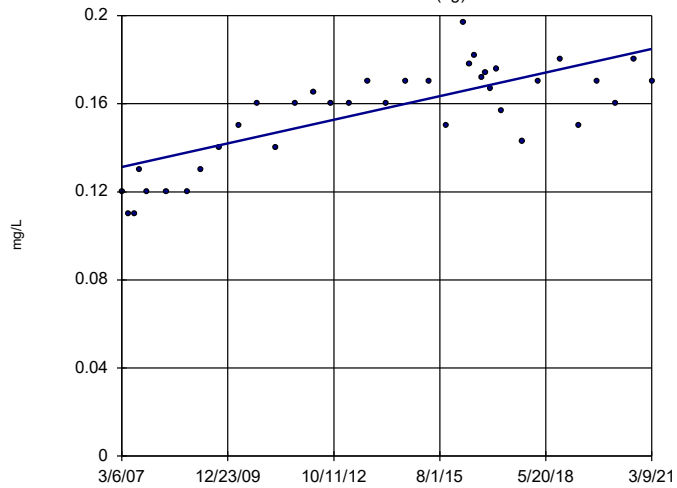


n = 37  
 Slope = -0.00016  
 units per year.  
 Mann-Kendall  
 statistic = -135  
 critical = -199  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 4/1/2021 1:32 PM View: State Parameters Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWA-2 (bg)

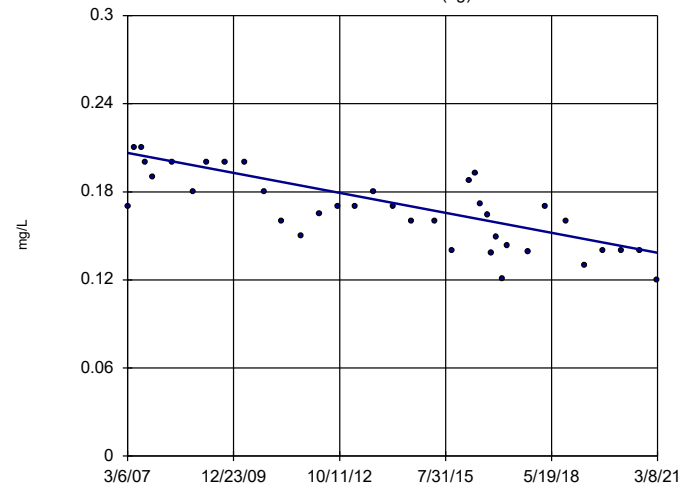


n = 37  
 Slope = 0.003826  
 units per year.  
 Mann-Kendall  
 statistic = 359  
 critical = 199  
 Increasing trend  
 significant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 4/1/2021 1:32 PM View: State Parameters Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

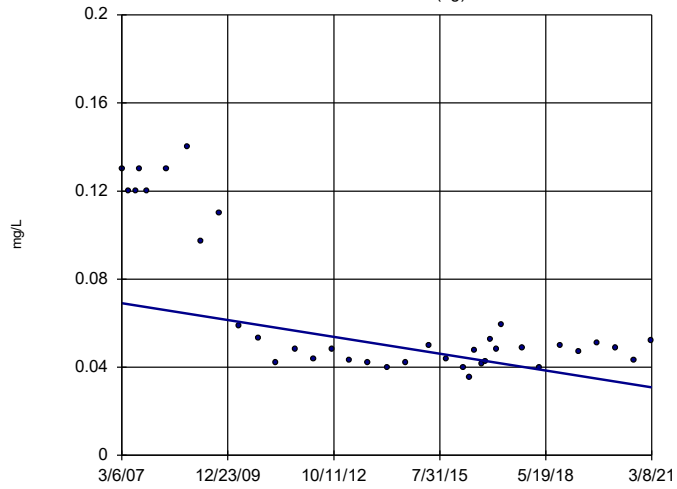
GWA-3 (bg)



n = 37  
 Slope = -0.004861  
 units per year.  
 Mann-Kendall  
 statistic = -394  
 critical = -199  
 Decreasing trend  
 significant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Barium Analysis Run 4/1/2021 1:32 PM View: State Parameters Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

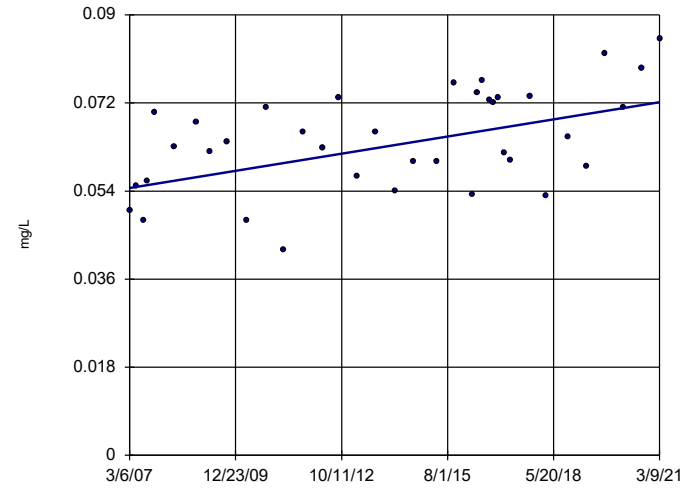
### Sen's Slope Estimator GWA-4 (bg)



n = 37  
 Slope = -0.002733  
 units per year.  
 Mann-Kendall  
 statistic = -224  
 critical = -199  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 4/1/2021 1:32 PM View: State Parameters Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

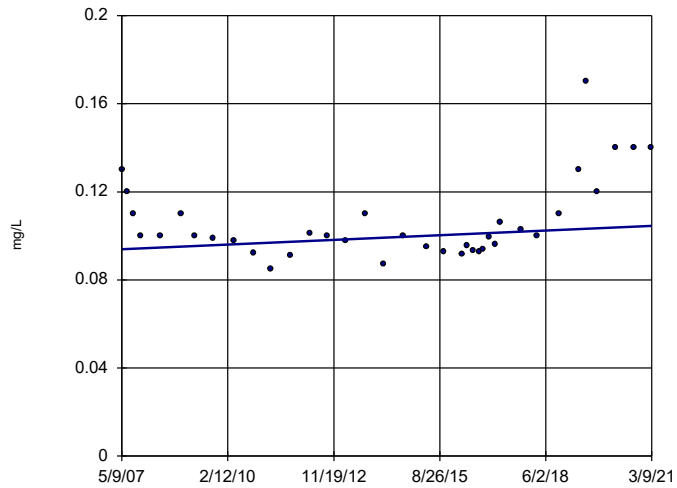
### Sen's Slope Estimator GWC-23



n = 37  
 Slope = 0.001249  
 units per year.  
 Mann-Kendall  
 statistic = 222  
 critical = 199  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 4/1/2021 1:32 PM View: State Parameters Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWC-8



n = 37  
 Slope = 0.0007645  
 units per year.  
 Mann-Kendall  
 statistic = 111  
 critical = 199  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 4/1/2021 1:32 PM View: State Parameters Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

FIGURE G.

# Federal Intrawell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 2:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWA-11	0.04165	n/a	3/8/2021	0.042	Yes	13	0.0356	0.002301	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-20	63.52	n/a	3/10/2021	64.9	Yes	13	52.64	4.139	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-23	45.95	n/a	3/9/2021	54.3	Yes	13	36.75	3.5	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	58.56	n/a	3/10/2021	64.7	Yes	18	35.78	9.504	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 4/1/2021, 2:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWA-1	0.05	n/a	3/8/2021	0.021J	No	13	n/a	n/a	15.38	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
<b>Boron (mg/L)</b>	<b>GWA-11</b>	<b>0.04165</b>	<b>n/a</b>	<b>3/8/2021</b>	<b>0.042</b>	<b>Yes</b>	<b>13</b>	<b>0.0356</b>	<b>0.002301</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Boron (mg/L)	GWA-2	0.1059	n/a	3/9/2021	0.081	No	13	0.08618	0.007513	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWA-3	0.195	n/a	3/8/2021	0.13	No	13	0.1502	0.01706	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWA-4	0.1507	n/a	3/8/2021	0.089	No	13	0.09276	0.02204	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-10	0.04348	n/a	3/9/2021	0.037J	No	13	0.03321	0.003909	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-18	0.1547	n/a	3/9/2021	0.13	No	13	0.1292	0.009697	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-19	0.2048	n/a	3/10/2021	0.16	No	13	0.1773	0.01047	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-20	0.05	n/a	3/10/2021	0.018J	No	13	n/a	n/a	7.692	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Boron (mg/L)	GWC-21	0.1406	n/a	3/9/2021	0.03J	No	13	0.199	0.06698	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-22	0.08272	n/a	3/9/2021	0.065	No	13	0.06841	0.005445	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-23	0.1347	n/a	3/9/2021	0.044	No	13	0.191	0.067	7.692	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-5	0.08013	n/a	3/9/2021	0.046	No	13	0.05944	0.007872	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-6	0.04531	n/a	3/9/2021	0.038J	No	14	0.03949	0.002264	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-7	0.07265	n/a	3/9/2021	0.041	No	13	0.05612	0.006289	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-8	0.055	n/a	3/9/2021	0.05	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Boron (mg/L)	GWC-9	0.05	n/a	3/9/2021	0.014J	No	13	n/a	n/a	7.692	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Calcium (mg/L)	GWA-1	20.51	n/a	3/8/2021	16.2	No	13	15.95	1.735	7.692	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-11	27.27	n/a	3/8/2021	22	No	13	19.82	2.834	7.692	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-2	51.4	n/a	3/9/2021	48.7	No	13	41.93	3.601	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-3	94.16	n/a	3/8/2021	73.5	No	13	75.85	6.964	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-4	130.7	n/a	3/8/2021	87.2	No	13	88.18	16.18	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-10	60.36	n/a	3/9/2021	48.7	No	15	41.41	7.541	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-18	46.36	n/a	3/9/2021	44.9	No	14	40.09	2.439	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-19	49.63	n/a	3/10/2021	47.4	No	13	43.91	2.178	0	None	No	0.0006269	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-20</b>	<b>63.52</b>	<b>n/a</b>	<b>3/10/2021</b>	<b>64.9</b>	<b>Yes</b>	<b>13</b>	<b>52.64</b>	<b>4.139</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	GWC-21	95.47	n/a	3/9/2021	67.8	No	15	48.65	18.63	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-22	52.66	n/a	3/9/2021	48.7	No	13	47.68	1.891	0	None	No	0.0006269	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-23</b>	<b>45.95</b>	<b>n/a</b>	<b>3/9/2021</b>	<b>54.3</b>	<b>Yes</b>	<b>13</b>	<b>36.75</b>	<b>3.5</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	GWC-5	90.26	n/a	3/9/2021	85.4	No	13	73.43	6.404	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-6	71.95	n/a	3/9/2021	70.8	No	13	62.28	3.678	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-7	74.21	n/a	3/9/2021	64.3	No	13	36.61	14.31	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-8	90.82	n/a	3/9/2021	83.2	No	15	63.08	11.04	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-9	39.77	n/a	3/9/2021	36.8	No	13	35.16	1.751	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-1	1.55	n/a	3/8/2021	1.1	No	13	1.179	0.1409	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-11	2.158	n/a	3/8/2021	1.3	No	13	1.493	0.253	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-2	3.162	n/a	3/9/2021	2.1	No	13	2.431	0.2783	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-3	4.883	n/a	3/8/2021	2.8	No	13	3.95	0.3552	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-4	11.19	n/a	3/8/2021	5.6	No	13	6.268	1.874	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-10	2.285	n/a	3/9/2021	1.1	No	15	1.609	0.269	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	1.907	n/a	3/9/2021	0.97J	No	13	1.385	0.1987	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-19	2.57	n/a	3/10/2021	1.3	No	13	1.915	0.2492	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-20	2.396	n/a	3/10/2021	1.2	No	14	1.7	0.2708	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-21	3.962	n/a	3/9/2021	1.8	No	14	2.712	0.4862	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-22	2.011	n/a	3/9/2021	1	No	13	1.555	0.1736	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-23	2.104	n/a	3/9/2021	0.85J	No	13	1.552	0.2101	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-5	4.279	n/a	3/9/2021	2	No	13	3.029	0.4757	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-6	2.458	n/a	3/9/2021	1.5	No	13	1.955	0.1913	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-7	2.458	n/a	3/9/2021	1.5	No	13	1.654	0.3056	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-8	3.306	n/a	3/9/2021	2.2	No	15	1.936	0.545	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-9	1.823	n/a	3/9/2021	0.74J	No	13	1.195	0.239	0	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-1	0.2142	n/a	3/8/2021	0.094J	No	13	0.1055	0.04138	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-11	0.1844	n/a	3/8/2021	0.11	No	13	0.07757	0.04064	23.08	Kaplan-Meier	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-2	0.267	n/a	3/9/2021	0.099J	No	13	0.1289	0.05253	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-3	0.5357	n/a	3/8/2021	0.13	No	13	0.2393	0.1127	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-4	0.5087	n/a	3/8/2021	0.1	No	13	0.2241	0.1082	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 4/1/2021, 2:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GWC-10	0.2027	n/a	3/9/2021	0.078J	No	13	0.1064	0.03664	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-18	0.2327	n/a	3/9/2021	0.11	No	13	0.1467	0.03273	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-19	0.2758	n/a	3/10/2021	0.11	No	13	0.1547	0.04606	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-20	0.2054	n/a	3/10/2021	0.068J	No	13	0.09322	0.0427	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-21	0.252	n/a	3/9/2021	0.058J	No	13	0.09554	0.05953	15.38	Kaplan-Meier	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-22	0.1652	n/a	3/9/2021	0.067J	No	13	0.09188	0.0279	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-23	0.1978	n/a	3/9/2021	0.069J	No	13	0.1127	0.03238	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-5	0.4044	n/a	3/9/2021	0.05J	No	13	0.4643	0.1047	15.38	Kaplan-Meier	x^(1/3)	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-6	0.3208	n/a	3/9/2021	0.06J	No	13	0.1139	0.07868	15.38	Kaplan-Meier	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-7	0.548	n/a	3/9/2021	0.17	No	13	0.2598	0.1097	0	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-8	0.4854	n/a	3/9/2021	0.12	No	14	0.4306	0.1035	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-9	0.1929	n/a	3/9/2021	0.08J	No	13	0.09607	0.03684	7.692	None	No	0.0006269	Param Intra 1 of 2
pH (SU)	GWA-1	7.414	6.463	3/8/2021	6.86	No	13	6.938	0.1807	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-11	7.075	6.309	3/8/2021	6.78	No	13	6.692	0.1457	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-2	7.273	6.46	3/9/2021	6.93	No	13	6.867	0.1547	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-3	7.238	6.227	3/8/2021	6.95	No	13	6.732	0.1922	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-4	7.246	6.263	3/8/2021	6.84	No	13	6.755	0.1869	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-10	7.697	6.845	3/9/2021	7.43	No	13	7.271	0.162	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-18	7.781	7.39	3/9/2021	7.66	No	13	7.585	0.07423	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-19	7.732	7.179	3/10/2021	7.49	No	13	7.455	0.1052	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-20	7.588	6.958	3/10/2021	7.41	No	15	7.273	0.1253	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-21	7.759	5.557	3/9/2021	7.04	No	13	6.658	0.4189	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-22	7.968	7.278	3/9/2021	7.52	No	14	7.623	0.1341	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-23	7.564	6.735	3/9/2021	6.81	No	13	7.149	0.1578	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-5	7.288	6.348	3/9/2021	6.93	No	13	6.818	0.1788	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-6	7.369	6.632	3/9/2021	7.09	No	13	7.001	0.1401	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-7	6.623	5.502	3/9/2021	6.59	No	13	6.062	0.2132	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-8	7.808	6.743	3/9/2021	7.06	No	15	7.275	0.2119	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-9	7.362	6.212	3/9/2021	6.92	No	13	6.787	0.2186	0	None	No	0.0003135	Param Intra 1 of 2
Sulfate (mg/L)	GWA-1	5.454	n/a	3/8/2021	4.6	No	13	4.79	0.2524	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWA-11	15.5	n/a	3/8/2021	11.5	No	13	12.58	1.108	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWA-2	20.34	n/a	3/9/2021	16.8	No	13	14.94	2.053	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWA-3	231.1	n/a	3/8/2021	99.5	No	13	131.7	37.85	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWA-4	348.3	n/a	3/8/2021	152	No	13	192.8	59.18	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	46.25	n/a	3/9/2021	14.2	No	14	4.162	1.026	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	14.99	n/a	3/9/2021	7.9	No	13	10.94	1.541	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19	20.78	n/a	3/10/2021	18.7	No	13	16.18	1.748	0	None	No	0.0006269	Param Intra 1 of 2
<b>Sulfate (mg/L)</b>	<b>GWC-20</b>	<b>58.56</b>	<b>n/a</b>	<b>3/10/2021</b>	<b>64.7</b>	<b>Yes</b>	<b>18</b>	<b>35.78</b>	<b>9.504</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Sulfate (mg/L)	GWC-21	57.26	n/a	3/9/2021	41.6	No	13	30.96	10.01	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22	14	n/a	3/9/2021	6.4	No	13	7.792	2.363	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	43	n/a	3/9/2021	10.2	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-5	159.3	n/a	3/9/2021	86.9	No	13	9.222	1.293	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-6	150.6	n/a	3/9/2021	105	No	17	109.2	17.06	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-7	189.7	n/a	3/9/2021	87.4	No	13	114.7	28.53	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-8	62.67	n/a	3/9/2021	33.1	No	13	42.48	7.682	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-9	85.53	n/a	3/9/2021	65.1	No	14	69.87	6.092	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-1	175.9	n/a	3/8/2021	96	No	13	105.2	26.93	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-11	186	n/a	3/8/2021	107	No	13	128.5	21.88	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-2	274.9	n/a	3/9/2021	227	No	13	220.5	20.67	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-3	682.3	n/a	3/8/2021	415	No	13	7.827	0.3714	0	None	x^(1/3)	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-4	772.9	n/a	3/8/2021	460	No	13	531.9	91.69	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	281.6	n/a	3/9/2021	201	No	13	184.1	37.09	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-18	427	n/a	3/9/2021	192	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	393	n/a	3/10/2021	223	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	306.2	n/a	3/10/2021	241	No	13	229.2	29.3	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	417.6	n/a	3/9/2021	243	No	15	203.2	85.29	0	None	No	0.0006269	Param Intra 1 of 2

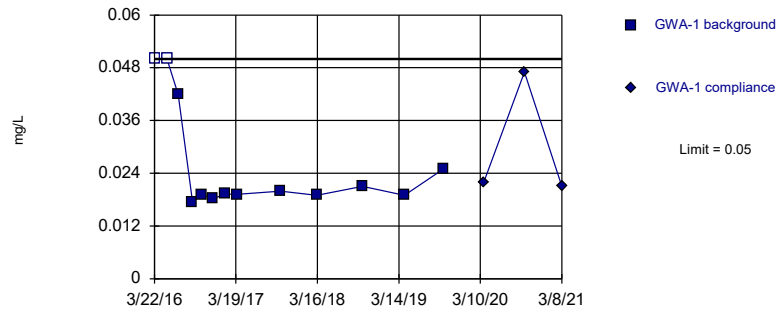
# Federal Intrawell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/1/2021, 2:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids (mg/L)	GWC-22	324	n/a	3/9/2021	178	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	313.1	n/a	3/9/2021	216	No	13	197.3	44.03	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-5	520.9	n/a	3/9/2021	364	No	13	395	47.9	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-6	439.1	n/a	3/9/2021	298	No	15	333.5	42.03	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-7	369	n/a	3/9/2021	299	No	13	271.2	37.22	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-8	428.8	n/a	3/9/2021	308	No	15	269.7	63.28	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	326	n/a	3/9/2021	209	No	13	235.2	34.54	0	None	No	0.0006269	Param Intra 1 of 2

Within Limit

Prediction Limit  
 Intrawell Non-parametric

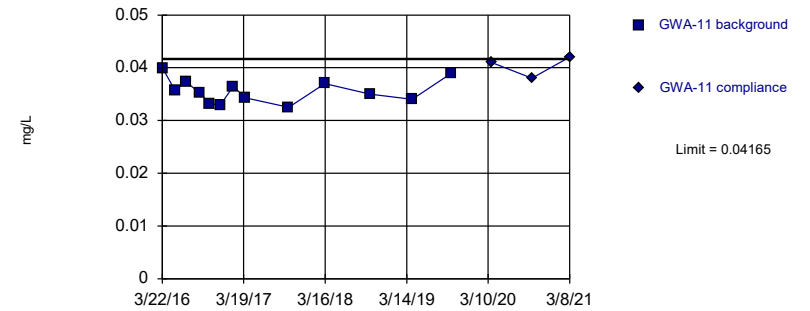


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 15.38% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 4/1/2021 1:47 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
 Intrawell Parametric

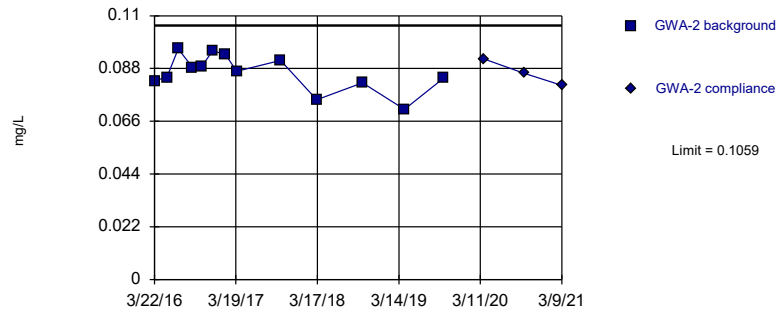


Background Data Summary: Mean=0.0356, Std. Dev.=0.002301, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9579, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 4/1/2021 1:47 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

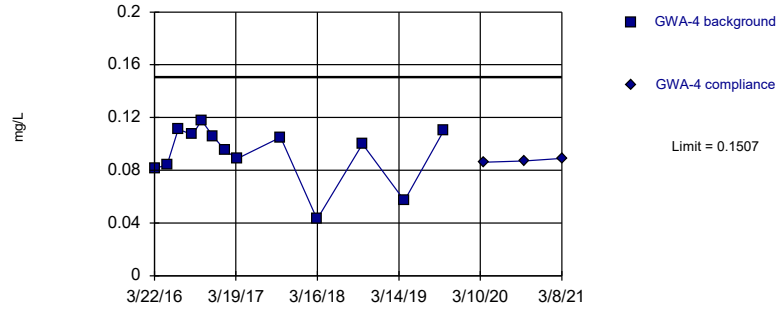
Within Limit

Prediction Limit  
 Intrawell Parametric





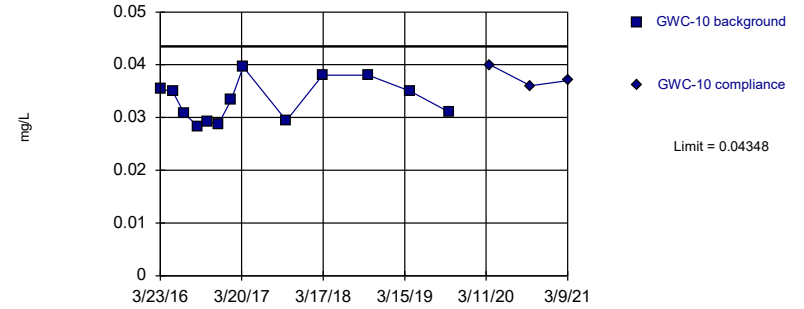
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.09276, Std. Dev.=0.02204, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8751, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

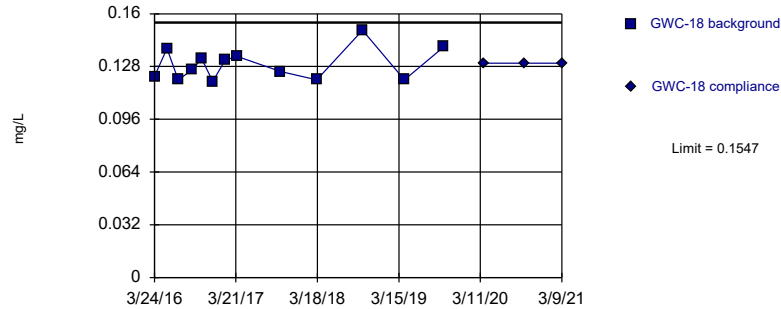
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.03321, Std. Dev.=0.003909, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.917, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

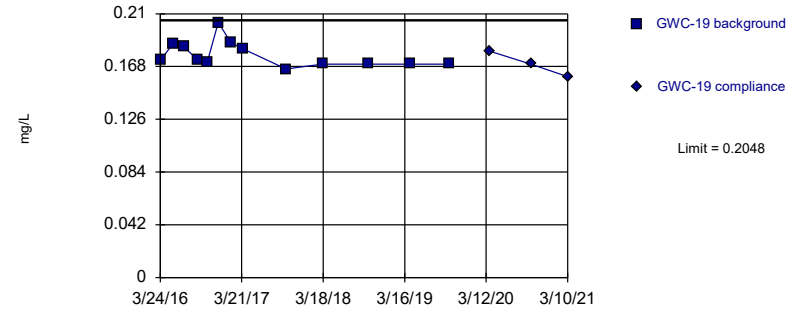
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=0.1292, Std. Dev.=0.009697, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8975, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric

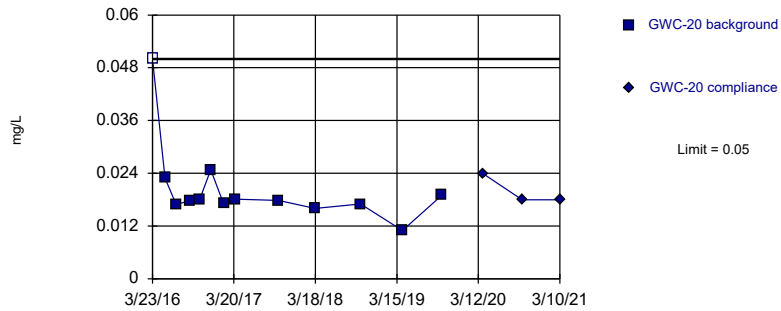


Background Data Summary: Mean=0.1773, Std. Dev.=0.01047, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8362, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

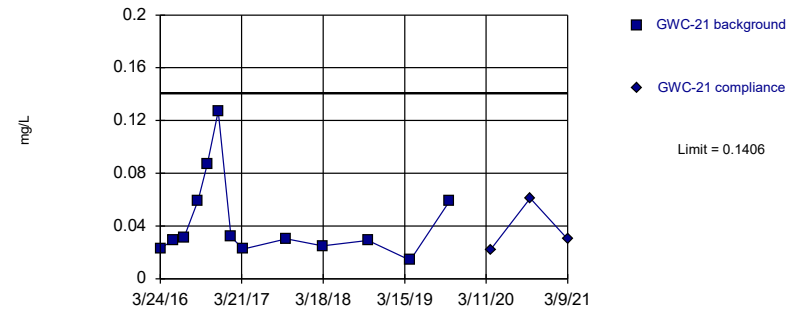


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 7.692% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

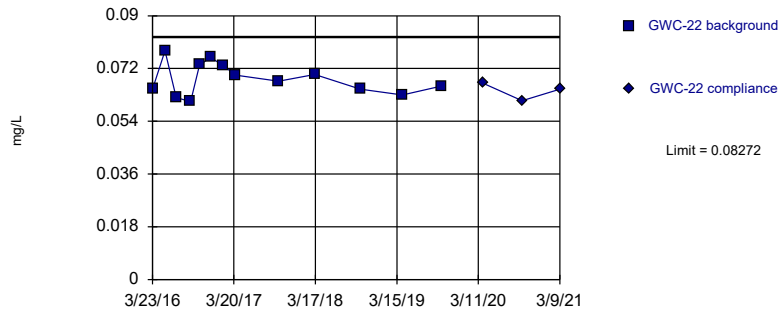


Background Data Summary (based on square root transformation): Mean=0.199, Std. Dev.=0.06698, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8469, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

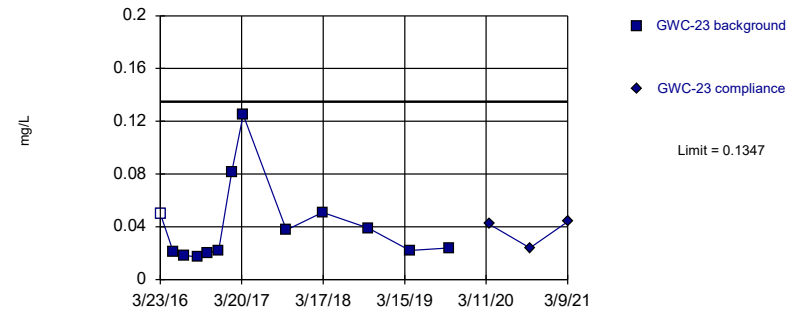


Background Data Summary: Mean=0.06841, Std. Dev.=0.005445, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9602, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



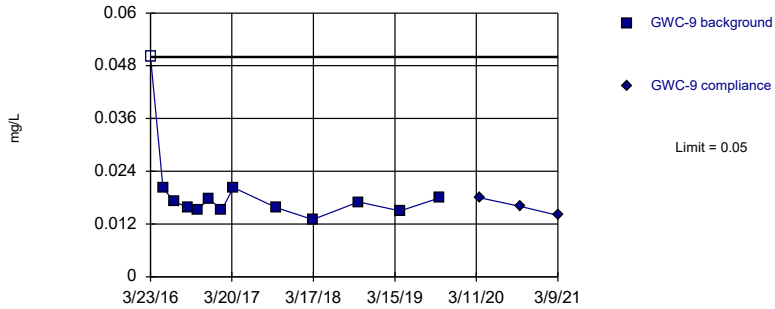
Background Data Summary (based on square root transformation): Mean=0.191, Std. Dev.=0.067, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8251, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

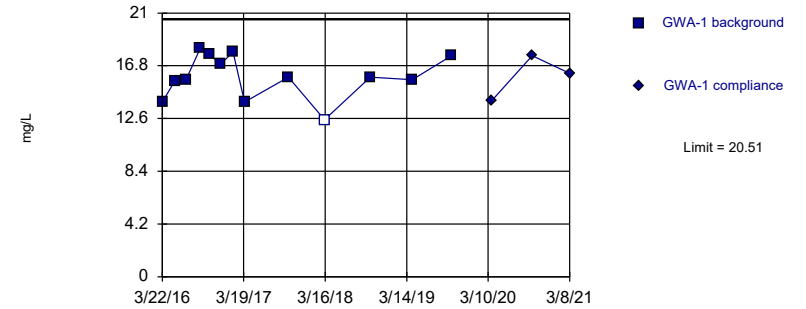


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 7.692% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

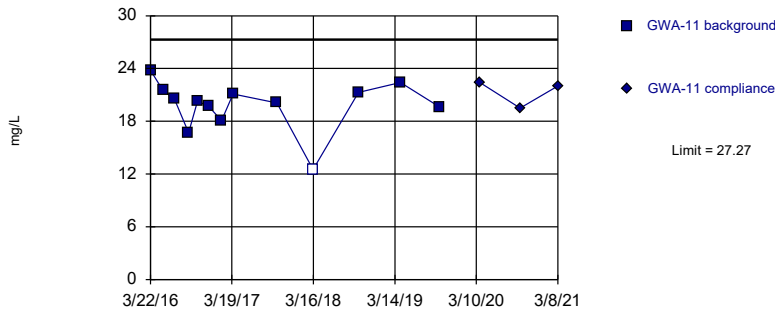


Background Data Summary: Mean=15.95, Std. Dev.=1.735, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

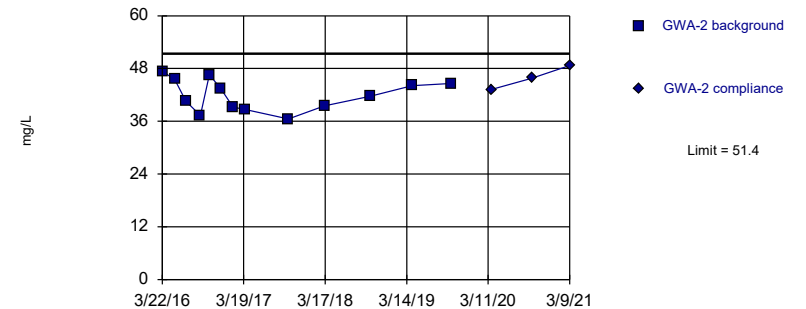


Background Data Summary: Mean=19.82, Std. Dev.=2.834, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.886, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=41.93, Std. Dev.=3.601, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9508, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

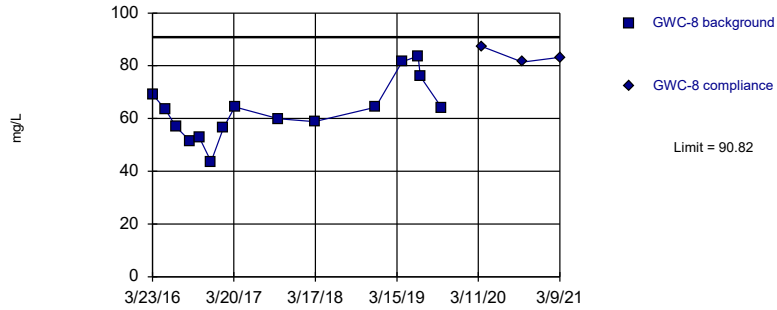
Constituent: Calcium Analysis Run 4/1/2021 1:47 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill







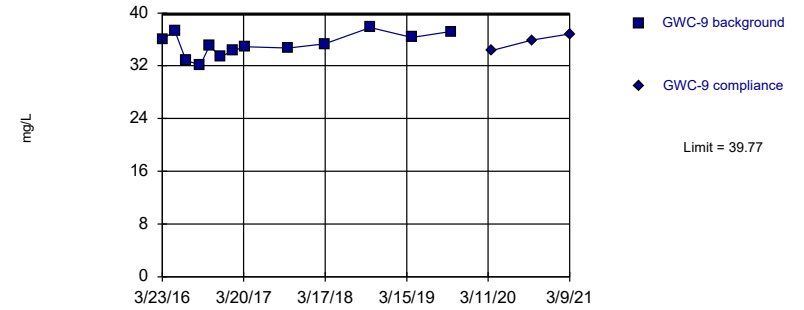
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=63.08, Std. Dev.=11.04, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9599, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

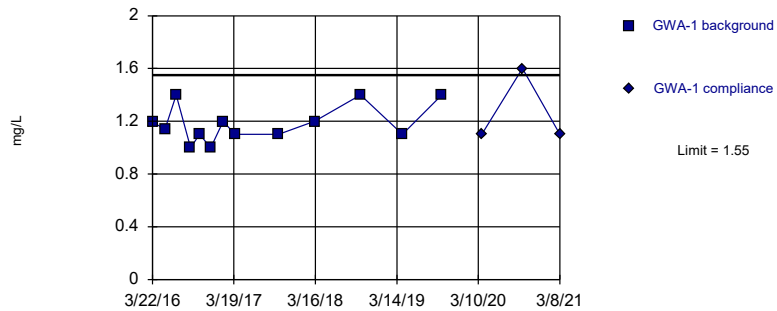
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=35.16, Std. Dev.=1.751, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9693, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

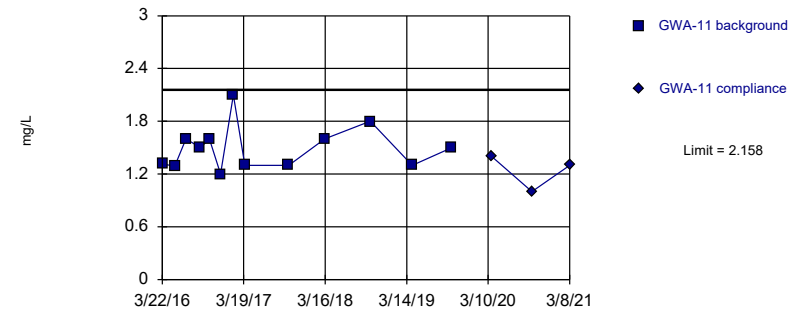
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=1.179, Std. Dev.=0.1409, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8609, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric



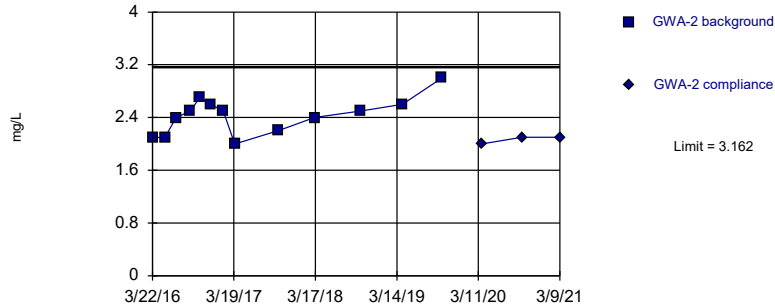
Background Data Summary: Mean=1.493, Std. Dev.=0.253, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8721, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

### Prediction Limit Intrawell Parametric

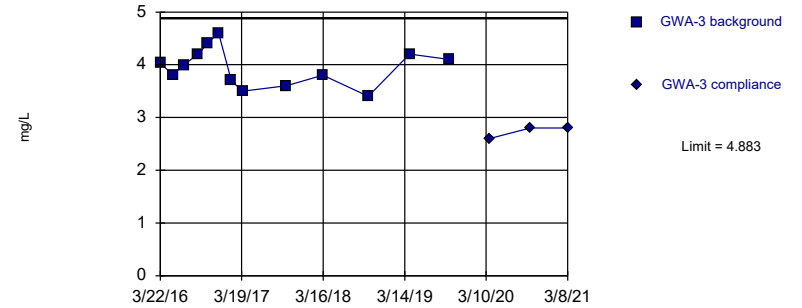


Background Data Summary: Mean=2.431, Std. Dev.=0.2783, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9538, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

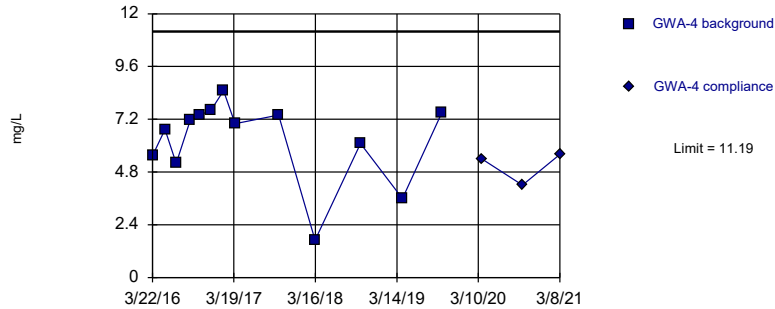


Background Data Summary: Mean=3.95, Std. Dev.=0.3552, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9788, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

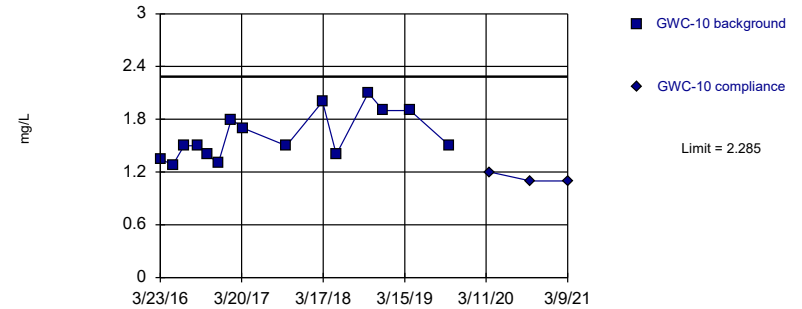


Background Data Summary: Mean=6.268, Std. Dev.=1.874, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.858, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

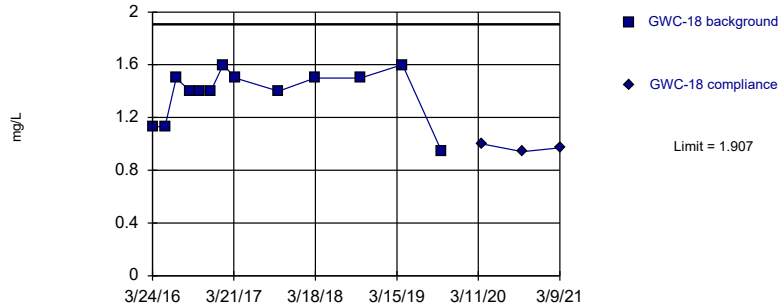


Background Data Summary: Mean=1.609, Std. Dev.=0.269, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9026, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

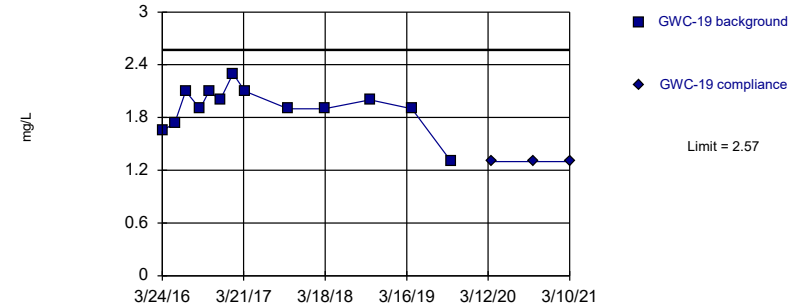


Background Data Summary: Mean=1.385, Std. Dev.=0.1987, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8442, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

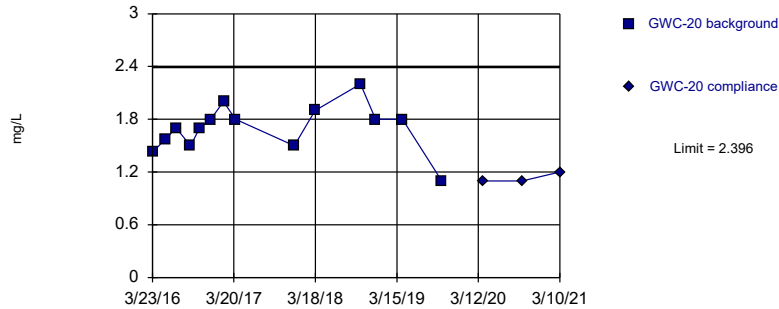


Background Data Summary: Mean=1.915, Std. Dev.=0.2492, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9085, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

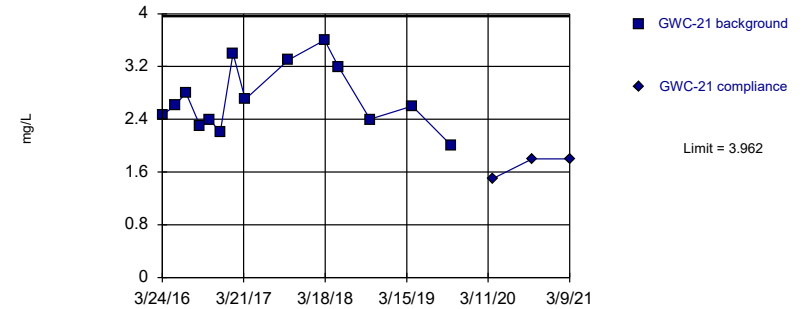


Background Data Summary: Mean=1.7, Std. Dev.=0.2708, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9657, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=2.712, Std. Dev.=0.4862, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9357, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

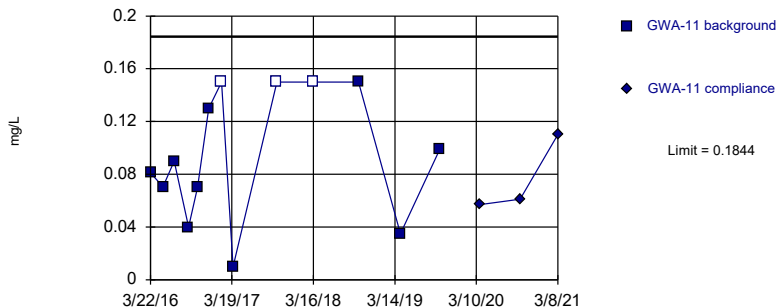
Constituent: Chloride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill





Within Limit

### Prediction Limit Intrawell Parametric

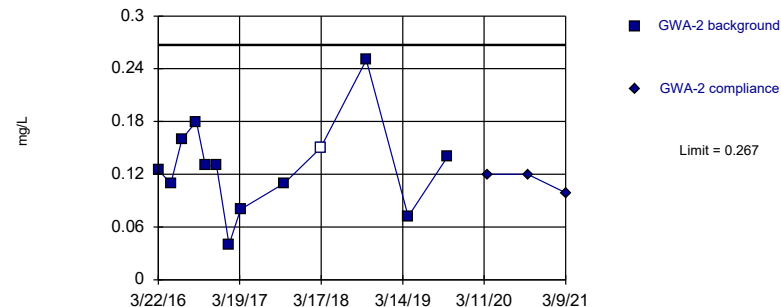


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.07757, Std. Dev.=0.04064, n=13, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.905, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

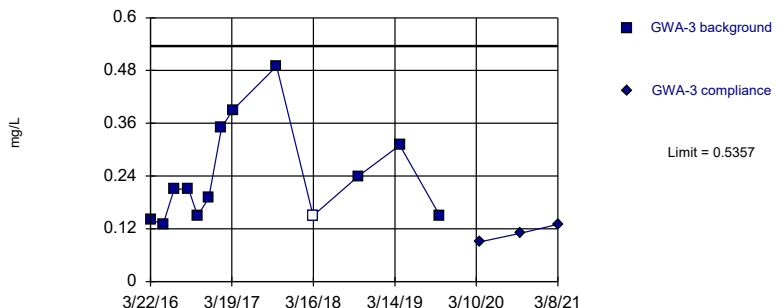


Background Data Summary: Mean=0.1289, Std. Dev.=0.05253, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.96, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

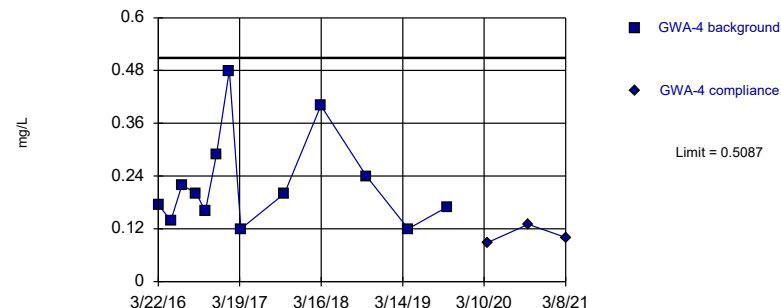


Background Data Summary: Mean=0.2393, Std. Dev.=0.1127, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8611, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric



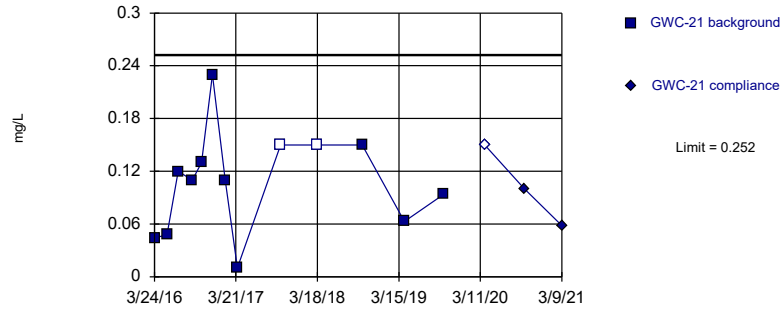
Background Data Summary: Mean=0.2241, Std. Dev.=0.1082, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8369, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

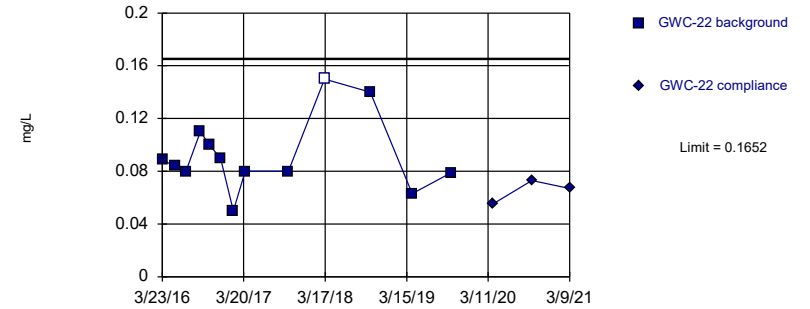


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.09554, Std. Dev.=0.05953, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9628, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

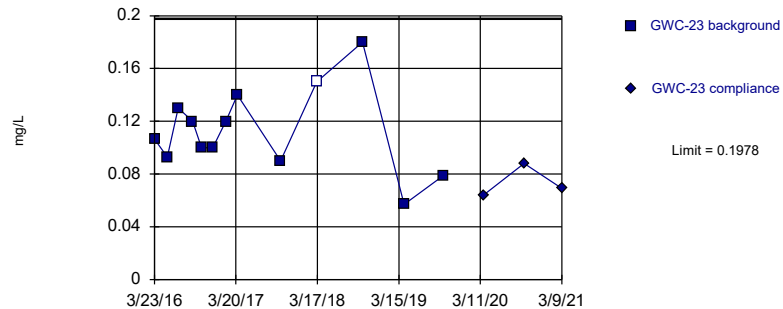


Background Data Summary: Mean=0.09188, Std. Dev.=0.0279, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.899, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

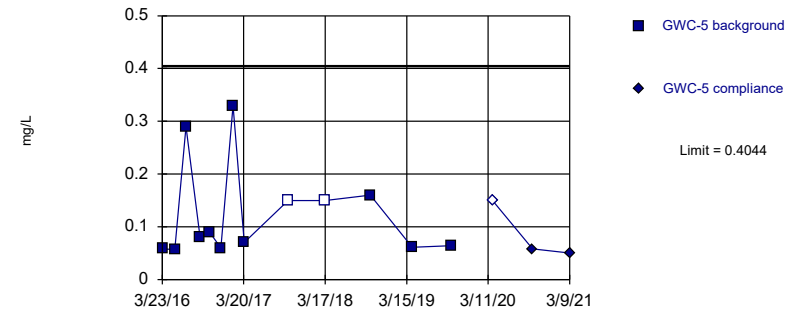


Background Data Summary: Mean=0.1127, Std. Dev.=0.03238, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9828, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

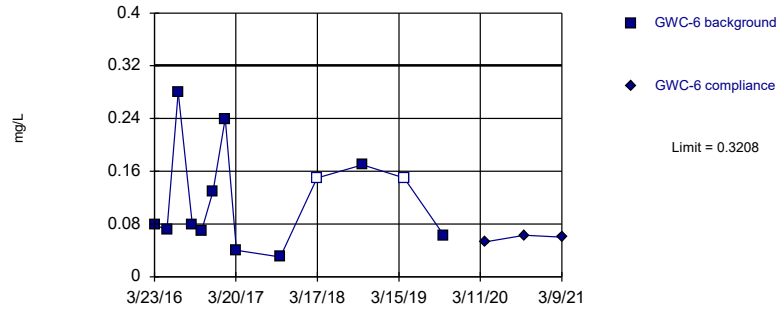


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.4643, Std. Dev.=0.1047, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8202, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

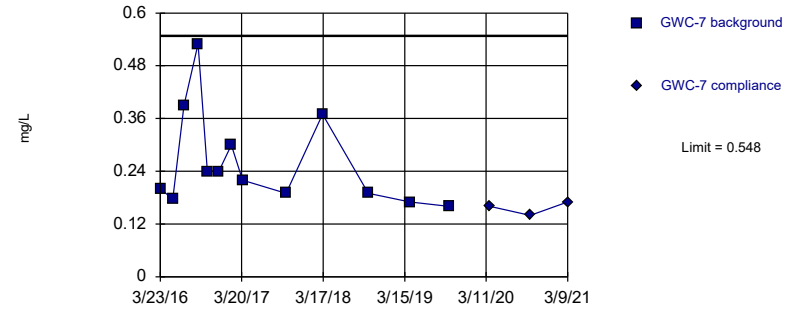


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.1139, Std. Dev.=0.07868, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8986, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

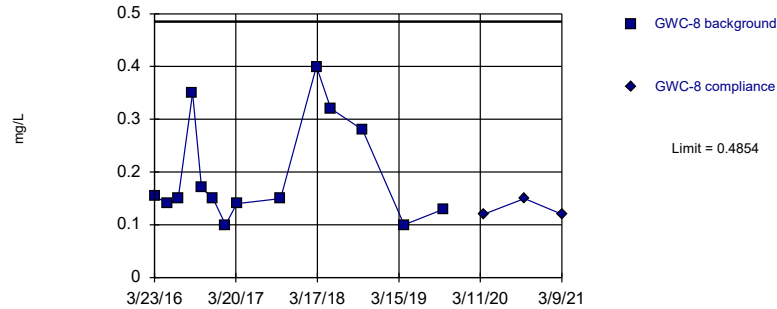


Background Data Summary: Mean=0.2598, Std. Dev.=0.1097, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8224, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

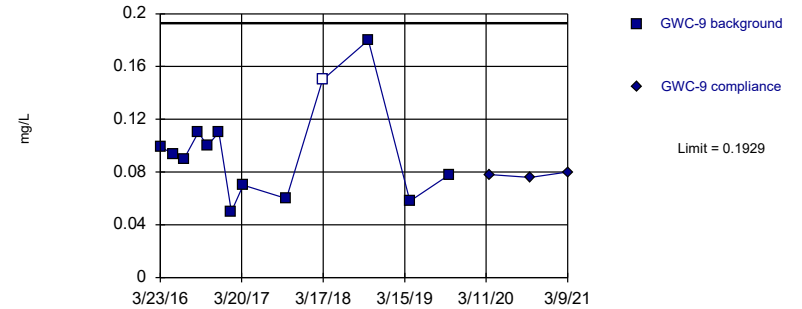


Background Data Summary (based on square root transformation): Mean=0.4306, Std. Dev.=0.1035, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.833, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



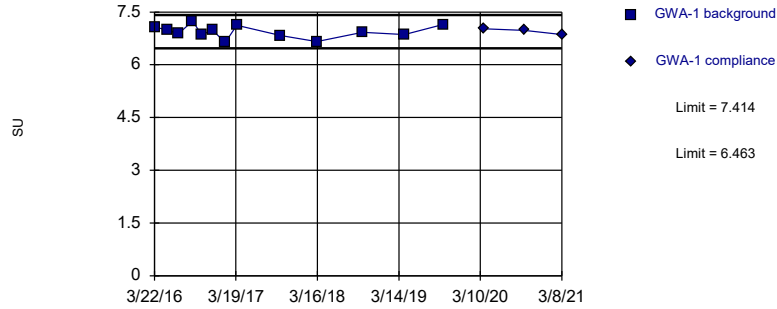
Background Data Summary: Mean=0.09607, Std. Dev.=0.03684, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9147, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limits

Prediction Limit  
Intrawell Parametric

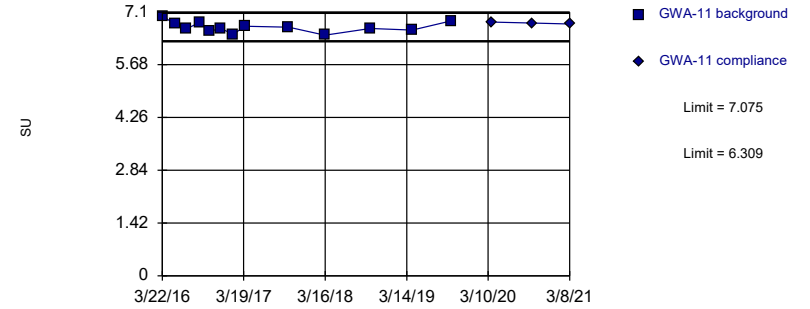


Background Data Summary: Mean=6.938, Std. Dev.=0.1807, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9693, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

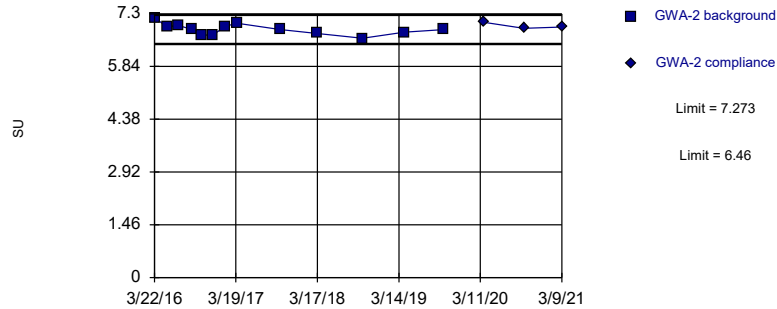


Background Data Summary: Mean=6.692, Std. Dev.=0.1457, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9669, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

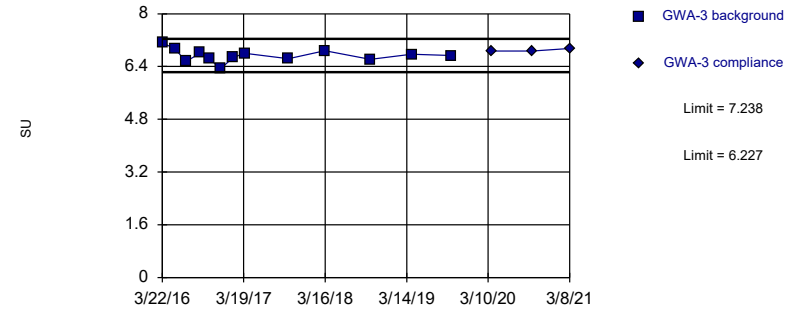


Background Data Summary: Mean=6.867, Std. Dev.=0.1547, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

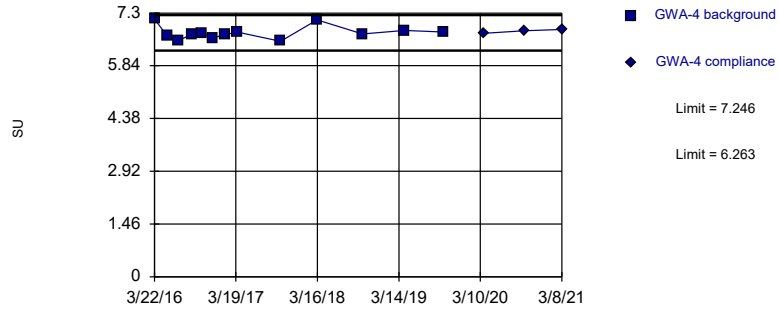


Background Data Summary: Mean=6.732, Std. Dev.=0.1922, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9818, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

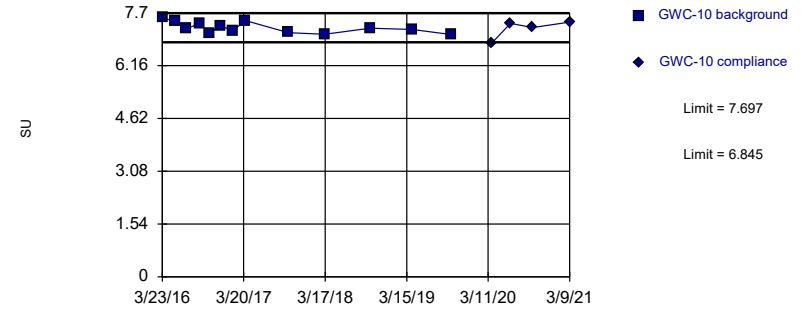


Background Data Summary: Mean=6.755, Std. Dev.=0.1869, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.862, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

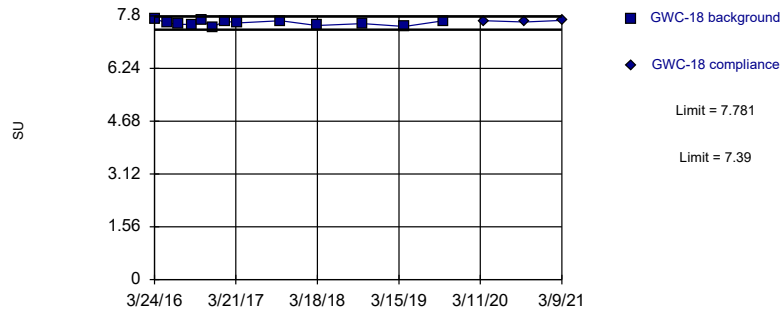


Background Data Summary: Mean=7.271, Std. Dev.=0.162, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9348, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

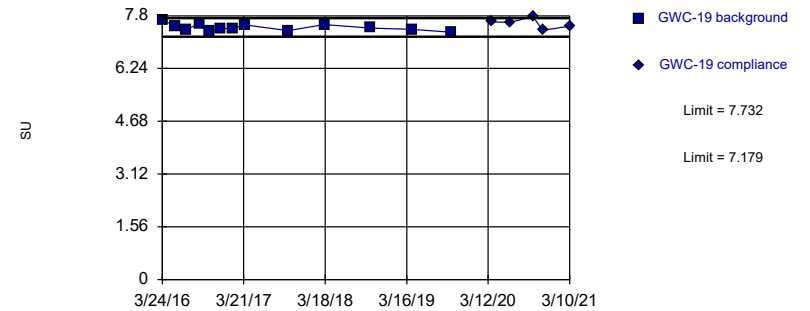


Background Data Summary: Mean=7.585, Std. Dev.=0.07423, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9602, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

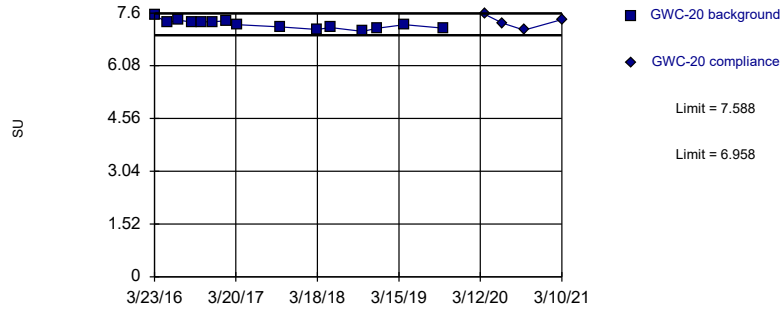


Background Data Summary: Mean=7.455, Std. Dev.=0.1052, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9485, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

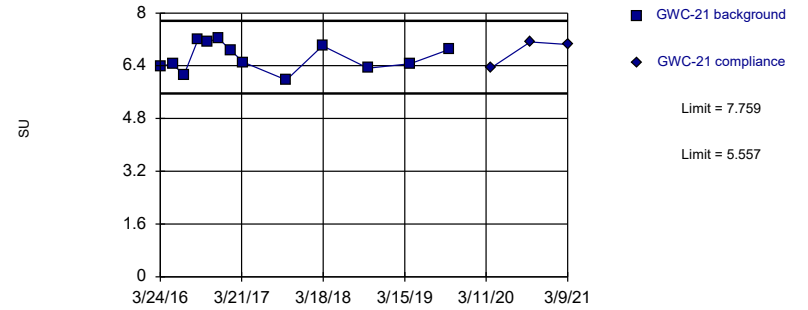


Background Data Summary: Mean=7.273, Std. Dev.=0.1253, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9587, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

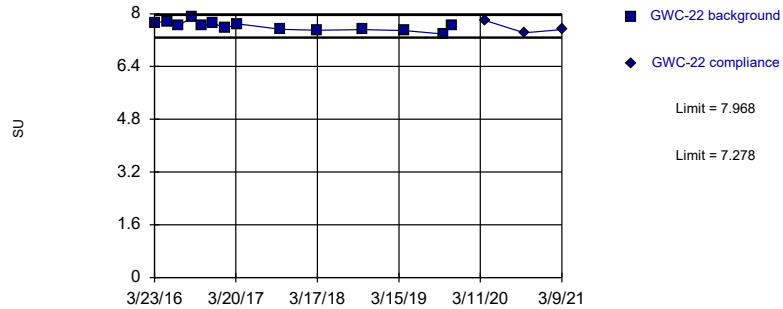


Background Data Summary: Mean=6.658, Std. Dev.=0.4189, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9363, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

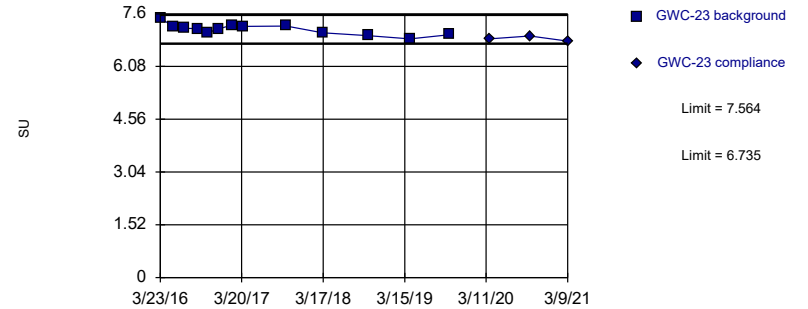


Background Data Summary: Mean=7.623, Std. Dev.=0.1341, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9786, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

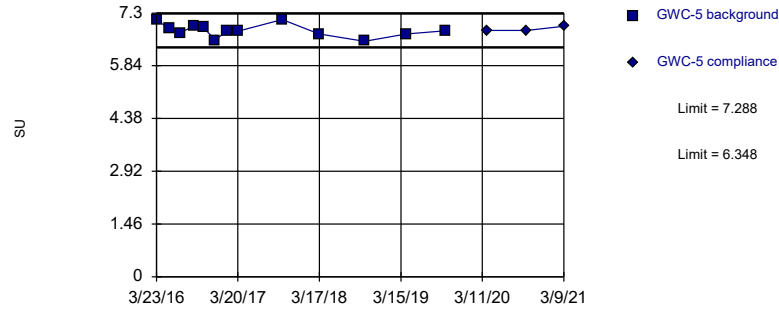


Background Data Summary: Mean=7.149, Std. Dev.=0.1578, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9618, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

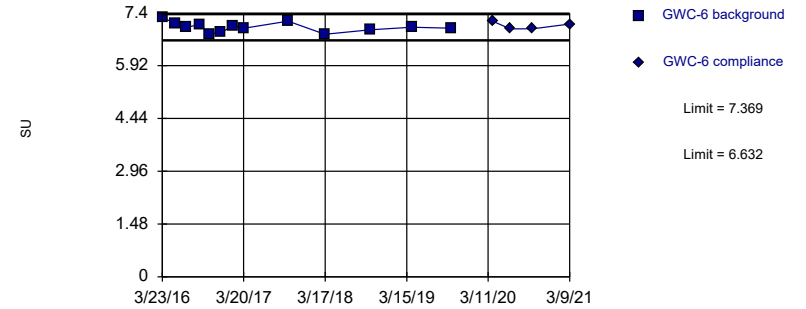


Background Data Summary: Mean=6.818, Std. Dev.=0.1788, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9555, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

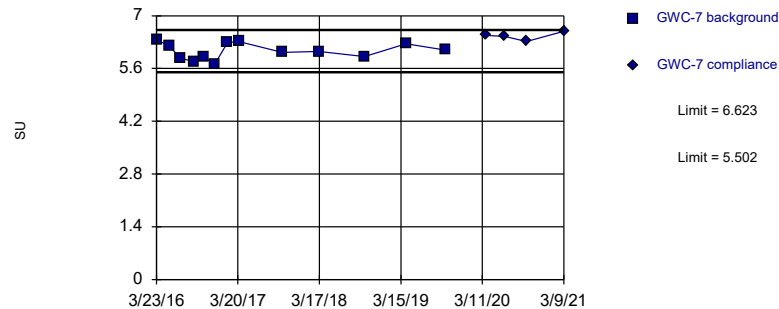


Background Data Summary: Mean=7.001, Std. Dev.=0.1401, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.965, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

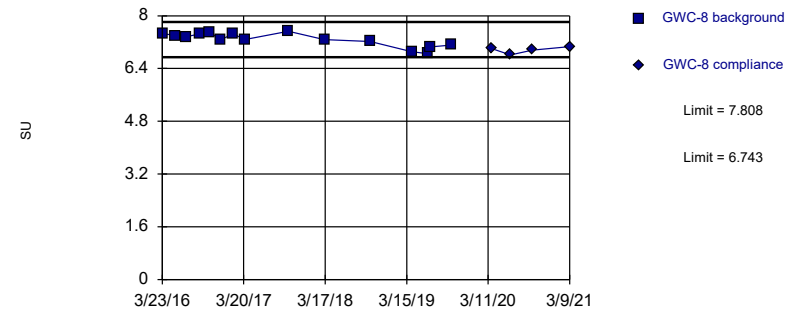


Background Data Summary: Mean=6.062, Std. Dev.=0.2132, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9398, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

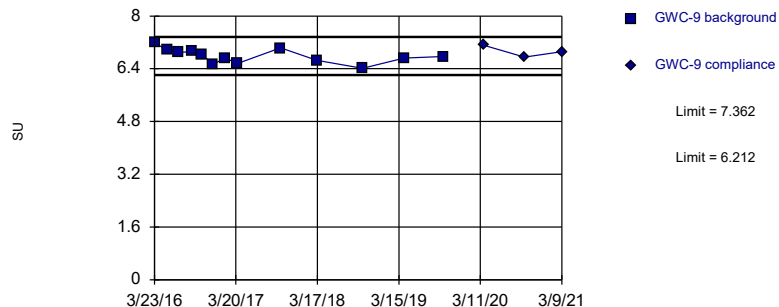


Background Data Summary: Mean=7.275, Std. Dev.=0.2119, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9103, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:48 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

### Prediction Limit Intrawell Parametric

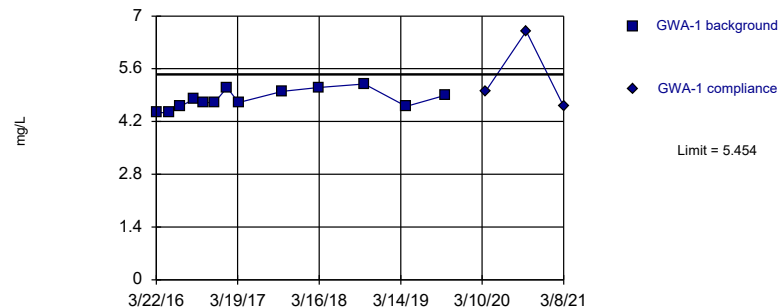


Background Data Summary: Mean=6.787, Std. Dev.=0.2186, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9914, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 4/1/2021 1:49 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

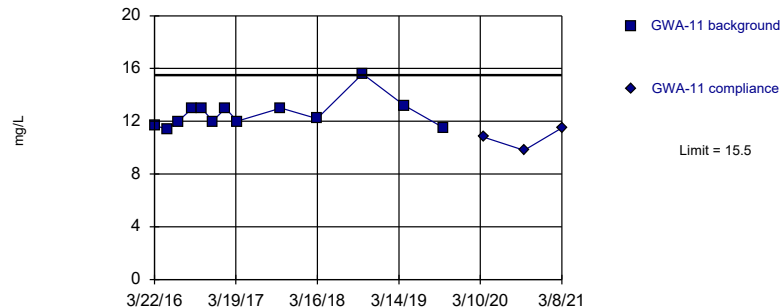


Background Data Summary: Mean=4.79, Std. Dev.=0.2524, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

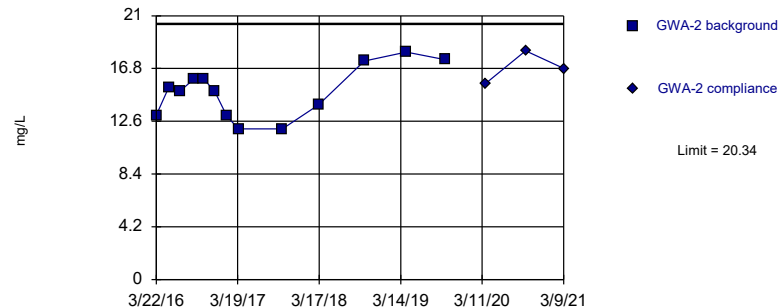


Background Data Summary: Mean=12.58, Std. Dev.=1.108, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8167, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

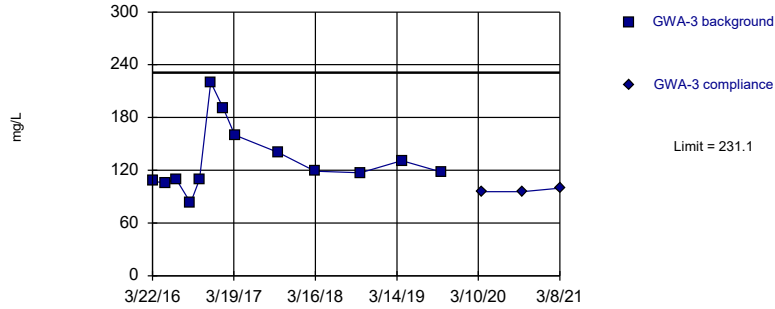


Background Data Summary: Mean=14.94, Std. Dev.=2.053, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9427, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

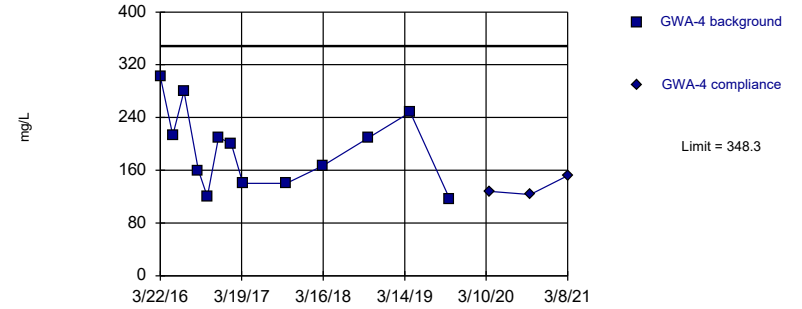


Background Data Summary: Mean=131.7, Std. Dev.=37.85, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8594, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

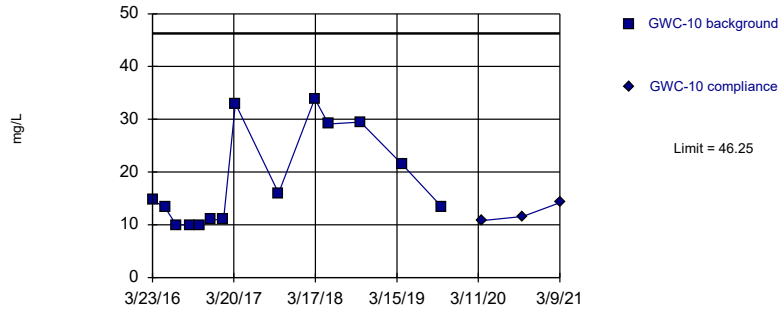


Background Data Summary: Mean=192.8, Std. Dev.=59.18, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9402, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

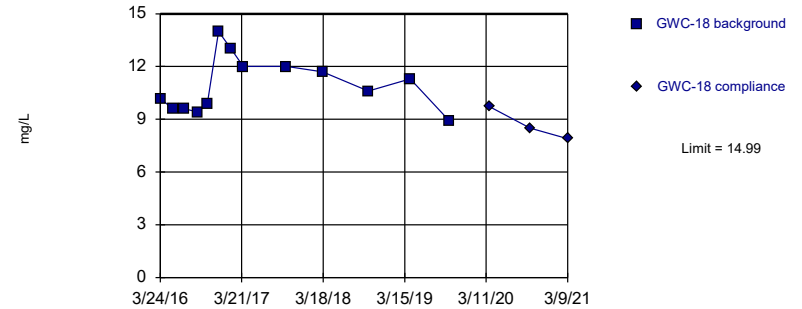


Background Data Summary (based on square root transformation): Mean=4.162, Std. Dev.=1.026, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8337, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

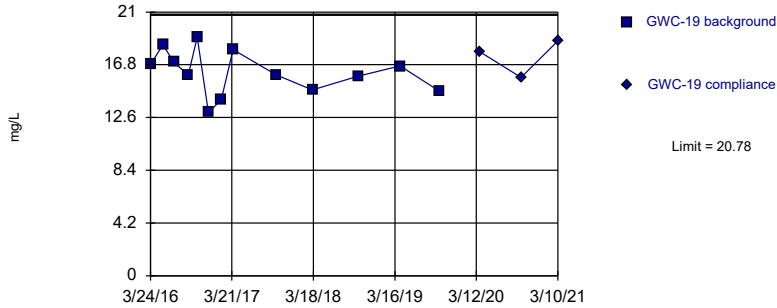


Background Data Summary: Mean=10.94, Std. Dev.=1.541, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9417, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

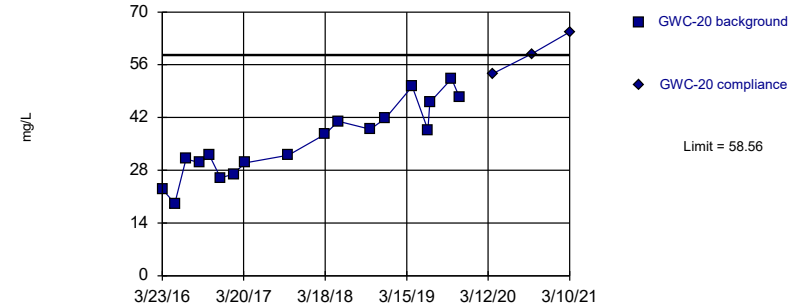


Background Data Summary: Mean=16.18, Std. Dev.=1.748, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9787, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

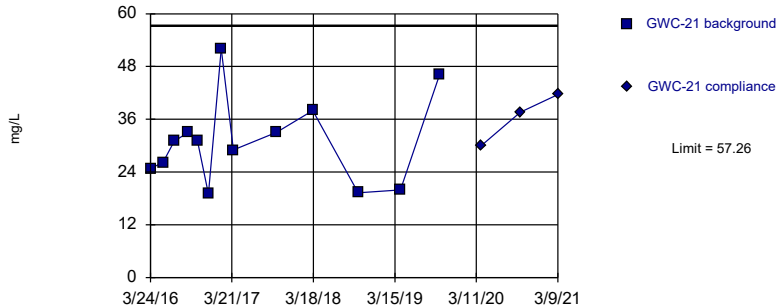


Background Data Summary: Mean=35.78, Std. Dev.=9.504, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9715, critical = 0.858. Kappa = 2.397 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

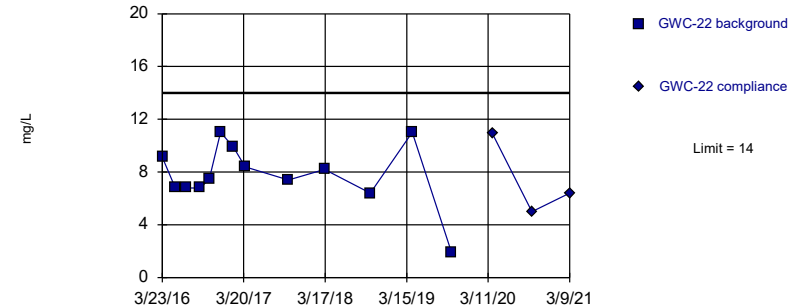


Background Data Summary: Mean=30.96, Std. Dev.=10.01, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9219, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

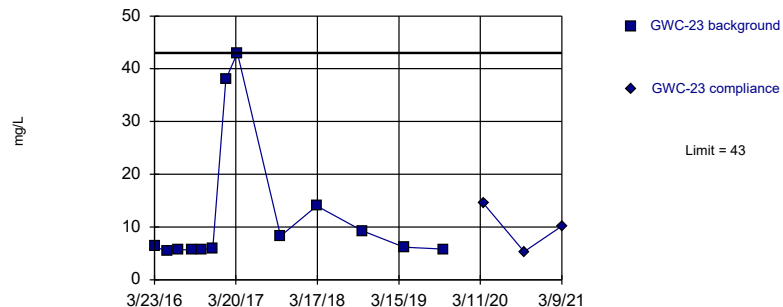


Background Data Summary: Mean=7.792, Std. Dev.=2.363, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8985, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

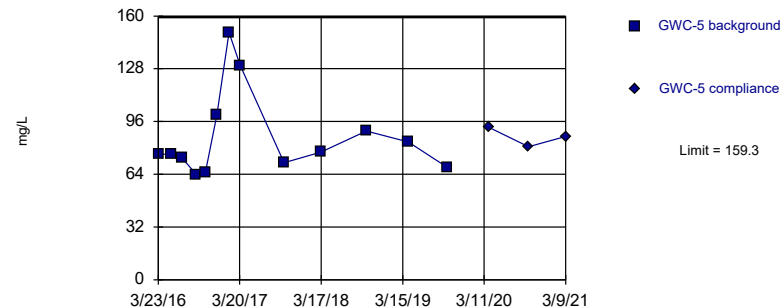


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

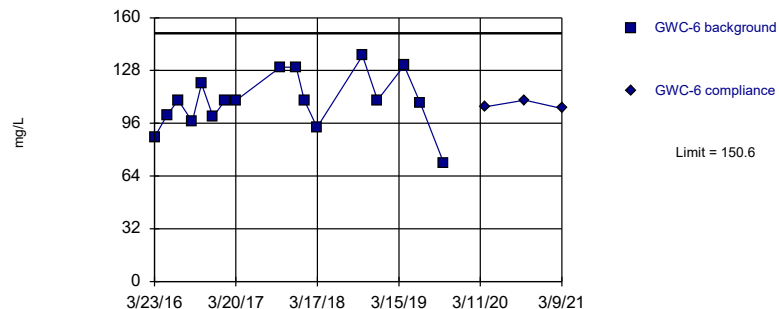


Background Data Summary (based on square root transformation): Mean=9.222, Std. Dev.=1.293, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8196, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

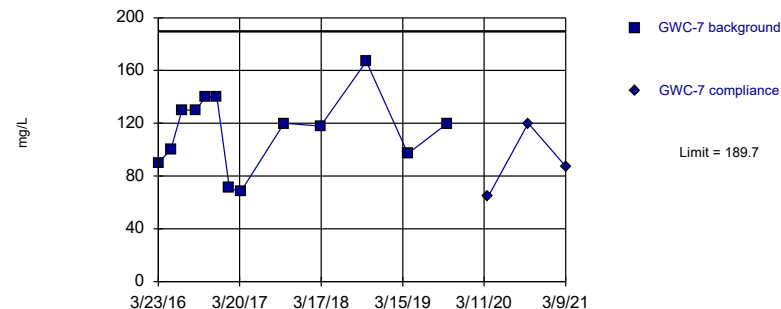


Background Data Summary: Mean=109.2, Std. Dev.=17.06, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9548, critical = 0.851. Kappa = 2.427 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



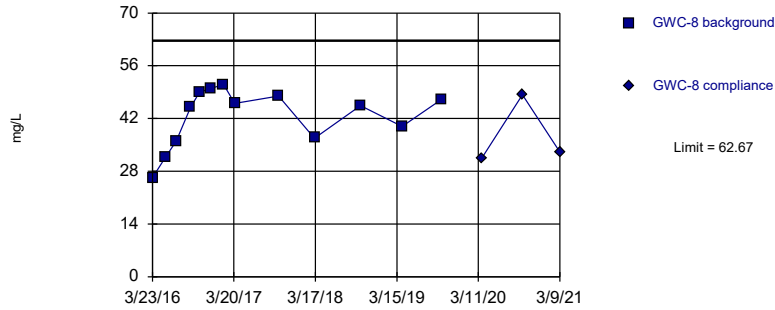
Background Data Summary: Mean=114.7, Std. Dev.=28.53, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9639, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

### Prediction Limit Intrawell Parametric

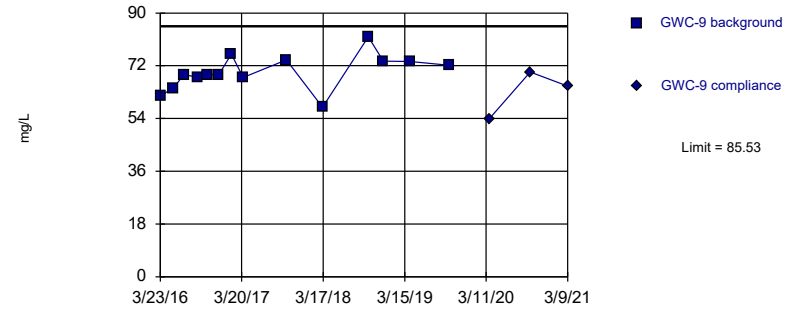


Background Data Summary: Mean=42.48, Std. Dev.=7.682, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.896, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

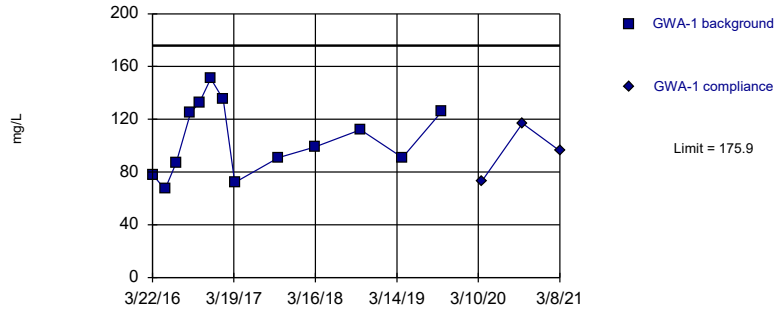


Background Data Summary: Mean=69.87, Std. Dev.=6.092, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.973, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

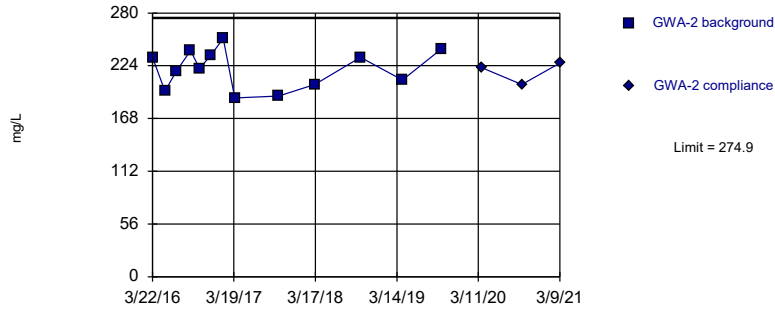
Within Limit

### Prediction Limit Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Parametric

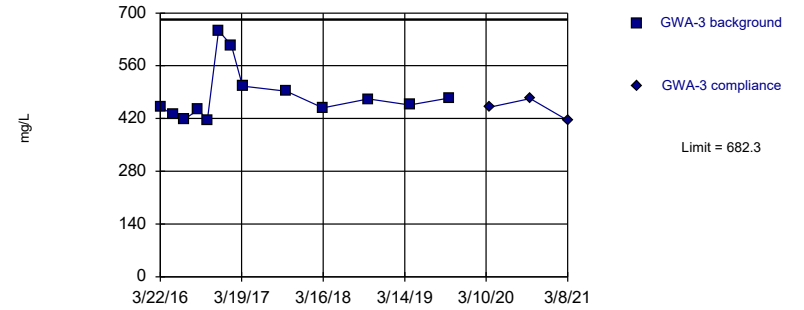


Background Data Summary: Mean=220.5, Std. Dev.=20.67, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.942, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

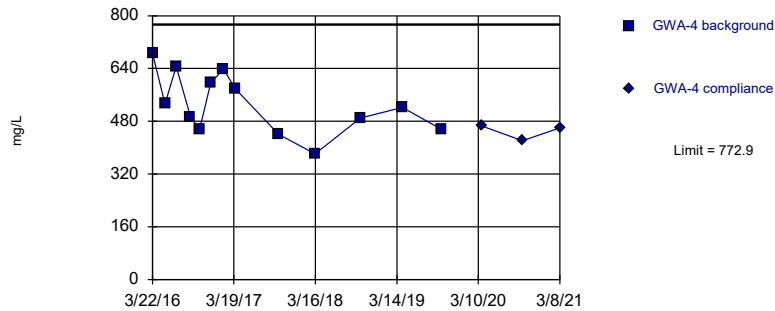


Background Data Summary (based on cube root transformation): Mean=7.827, Std. Dev.=0.3714, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8186, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

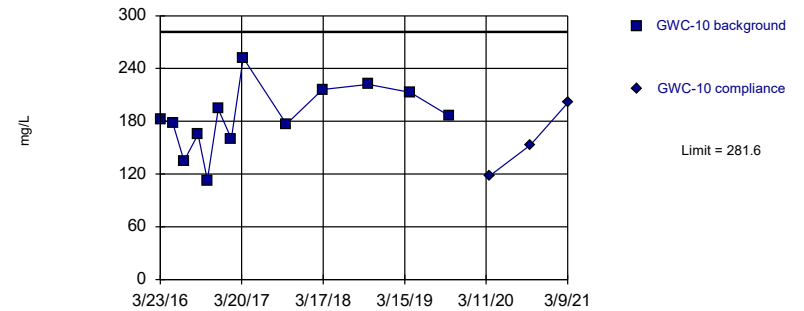


Background Data Summary: Mean=531.9, Std. Dev.=91.69, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9665, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

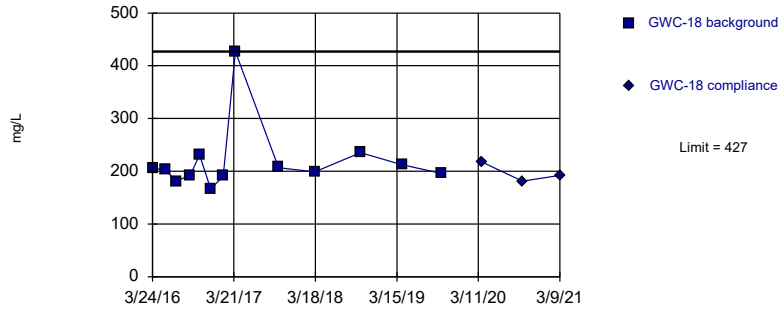


Background Data Summary: Mean=184.1, Std. Dev.=37.09, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9837, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

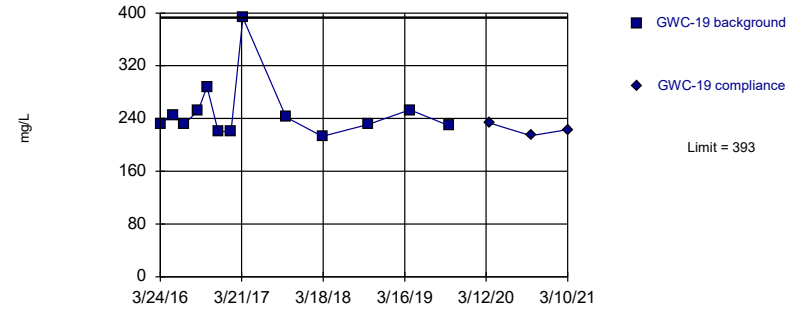


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

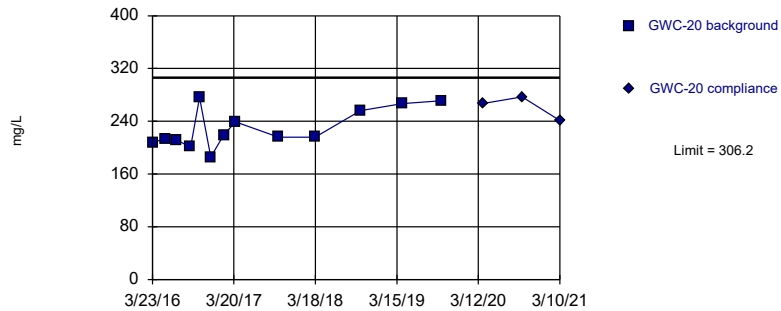


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

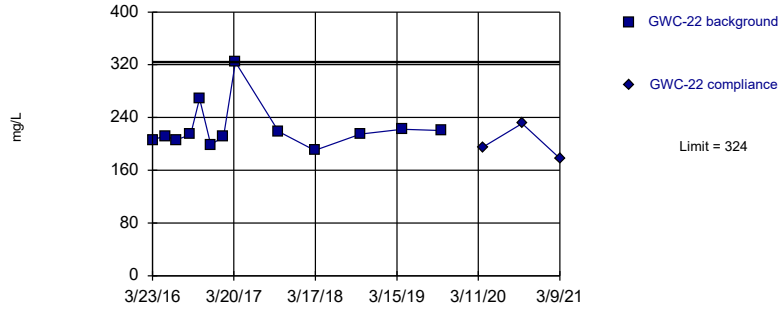
Within Limit

Prediction Limit  
Intrawell Parametric



Within Limit

### Prediction Limit Intrawell Non-parametric

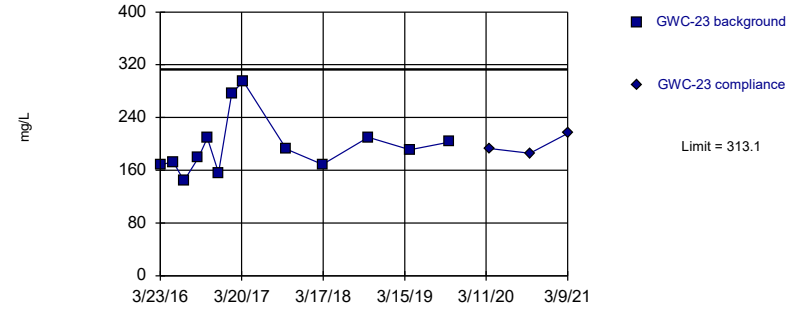


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

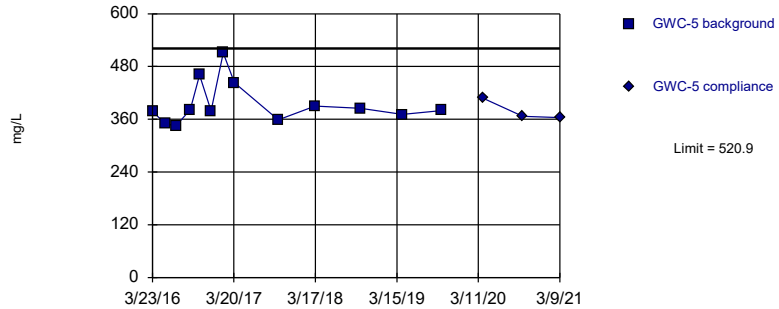


Background Data Summary: Mean=197.3, Std. Dev.=44.03, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8638, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 4/1/2021 1:49 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric





# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/22/2016	<0.1	
5/17/2016	<0.1	
7/5/2016	0.0419 (J)	
9/7/2016	0.0174 (J)	
10/18/2016	0.0192 (J)	
12/6/2016	0.0182 (J)	
1/31/2017	0.0193 (J)	
3/23/2017	0.0192 (J)	
10/4/2017	0.0199 (J)	
3/14/2018	0.019 (J)	
10/4/2018	0.021 (J)	
4/8/2019	0.019 (J)	
9/30/2019	0.025 (J)	
3/26/2020		0.022 (J)
9/23/2020		0.047 (J)
3/8/2021		0.021 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/22/2016	0.04 (J)	
5/17/2016	0.0358 (J)	
7/6/2016	0.0373 (J)	
9/7/2016	0.0352 (J)	
10/18/2016	0.0332 (J)	
12/6/2016	0.033 (J)	
2/1/2017	0.0365 (J)	
3/24/2017	0.0343 (J)	
10/5/2017	0.0325 (J)	
3/15/2018	0.037 (J)	
10/4/2018	0.035 (J)	
4/8/2019	0.034 (J)	
9/30/2019	0.039 (J)	
3/26/2020		0.041 (J)
9/22/2020		0.038 (J)
3/8/2021		0.042

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/22/2016	0.0828 (J)	
5/17/2016	0.0844 (J)	
7/5/2016	0.0962 (J)	
9/7/2016	0.0884 (J)	
10/18/2016	0.0889 (J)	
12/7/2016	0.0954	
1/31/2017	0.0939	
3/23/2017	0.0869	
10/4/2017	0.0914	
3/14/2018	0.075	
10/4/2018	0.082	
4/8/2019	0.071 (J)	
9/30/2019	0.084	
3/26/2020		0.092 (J)
9/21/2020		0.086 (J)
3/9/2021		0.081



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/22/2016	0.135	
5/17/2016	0.132	
7/5/2016	0.161	
9/7/2016	0.163	
10/18/2016	0.154	
12/6/2016	0.142	
2/1/2017	0.143	
3/23/2017	0.15	
10/4/2017	0.182	
3/15/2018	0.14	
10/4/2018	0.16	
4/5/2019	0.12	
9/30/2019	0.17	
3/26/2020		0.14
9/23/2020		0.15
3/8/2021		0.13

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/22/2016	0.0815 (J)	
5/17/2016	0.0838 (J)	
7/6/2016	0.111	
9/7/2016	0.107	
10/18/2016	0.118	
12/6/2016	0.106	
2/1/2017	0.0949	
3/24/2017	0.0887	
10/4/2017	0.105	
3/15/2018	0.043	
10/4/2018	0.1	
4/8/2019	0.057 (J)	
9/30/2019	0.11	
3/26/2020		0.086 (J)
9/23/2020		0.087 (J)
3/8/2021		0.089

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/23/2016	0.0354 (J)	
5/17/2016	0.0349 (J)	
7/6/2016	0.0308 (J)	
9/7/2016	0.0283 (J)	
10/18/2016	0.0292 (J)	
12/6/2016	0.0287 (J)	
2/2/2017	0.0334 (J)	
3/27/2017	0.0396 (J)	
10/5/2017	0.0294 (J)	
3/15/2018	0.038 (J)	
10/4/2018	0.038 (J)	
4/9/2019	0.035 (J)	
10/1/2019	0.031 (J)	
3/27/2020		0.04 (J)
9/25/2020		0.036 (J)
3/9/2021		0.037 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/24/2016	0.122	
5/18/2016	0.139	
7/7/2016	0.12	
9/8/2016	0.126	
10/19/2016	0.133	
12/8/2016	0.119	
2/2/2017	0.132	
3/27/2017	0.134	
10/5/2017	0.125	
3/16/2018	0.12	
10/5/2018	0.15	
4/9/2019	0.12	
10/1/2019	0.14	
3/30/2020		0.13
9/24/2020		0.13
3/9/2021		0.13

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/24/2016	0.173	
5/18/2016	0.186	
7/6/2016	0.184	
9/8/2016	0.173	
10/18/2016	0.171	
12/7/2016	0.203	
2/2/2017	0.187	
3/27/2017	0.182	
10/5/2017	0.166	
3/15/2018	0.17	
10/4/2018	0.17	
4/9/2019	0.17	
10/1/2019	0.17	
3/31/2020		0.18
9/28/2020		0.17
3/10/2021		0.16

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/23/2016	<0.1	
5/18/2016	0.0229 (J)	
7/7/2016	0.0169 (J)	
9/8/2016	0.0178 (J)	
10/19/2016	0.018 (J)	
12/7/2016	0.0248 (J)	
2/3/2017	0.0171 (J)	
3/27/2017	0.0181 (J)	
10/5/2017	0.0178 (J)	
3/16/2018	0.016 (J)	
10/5/2018	0.017 (J)	
4/9/2019	0.011 (J)	
10/1/2019	0.019 (J)	
3/31/2020		0.024 (J)
9/23/2020		0.018 (J)
3/10/2021		0.018 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/24/2016	0.0232 (J)	
5/18/2016	0.0289 (J)	
7/7/2016	0.0313 (J)	
9/8/2016	0.0593 (J)	
10/19/2016	0.087 (J)	
12/7/2016	0.127	
2/2/2017	0.0318 (J)	
3/27/2017	0.0225 (J)	
10/5/2017	0.0304 (J)	
3/15/2018	0.025 (J)	
10/4/2018	0.029 (J)	
4/9/2019	0.014 (J)	
10/1/2019	0.059	
3/31/2020		0.022 (J)
9/24/2020		0.061 (J)
3/9/2021		0.03 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/23/2016	0.0649 (J)	
5/18/2016	0.0781 (J)	
7/7/2016	0.0621 (J)	
9/8/2016	0.0607 (J)	
10/19/2016	0.0733 (J)	
12/7/2016	0.0758	
2/2/2017	0.0729	
3/27/2017	0.0698	
10/5/2017	0.0677	
3/15/2018	0.07	
10/4/2018	0.065	
4/9/2019	0.063	
10/1/2019	0.066	
3/31/2020		0.067 (J)
9/23/2020		0.061 (J)
3/9/2021		0.065



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/23/2016	<0.1	
5/19/2016	0.0212 (J)	
7/7/2016	0.0183 (J)	
9/8/2016	0.017 (J)	
10/19/2016	0.0203 (J)	
12/7/2016	0.0215 (J)	
2/3/2017	0.0812	
3/27/2017	0.125	
10/5/2017	0.0375 (J)	
3/15/2018	0.051	
10/5/2018	0.039 (J)	
4/8/2019	0.022 (J)	
10/1/2019	0.024 (J)	
3/26/2020		0.042 (J)
9/23/2020		0.024 (J)
3/9/2021		0.044

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/23/2016	0.0509 (J)	
5/17/2016	0.0565 (J)	
7/6/2016	0.0628 (J)	
9/7/2016	0.0648 (J)	
10/18/2016	0.0666 (J)	
12/8/2016	0.062	
2/1/2017	0.0516	
3/23/2017	0.0597	
10/4/2017	0.0658	
3/16/2018	0.047	
10/4/2018	0.066	
4/9/2019	0.048	
10/1/2019	0.071	
3/31/2020		0.057 (J)
9/25/2020		0.08 (J)
3/9/2021		0.046

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/23/2016	0.0379 (J)	
5/17/2016	0.0395 (J)	
7/6/2016	0.0393 (J)	
9/7/2016	0.04 (J)	
10/18/2016	0.0366 (J)	
12/8/2016	0.0397 (J)	
2/1/2017	0.0381 (J)	
3/23/2017	0.0416	
10/4/2017	0.0382 (J)	
3/16/2018	0.044	
5/16/2018	0.042	
10/4/2018	0.038 (J)	
4/8/2019	0.036 (J)	
10/1/2019	0.042	
3/31/2020		0.091 (J)
6/18/2020		0.045 (JR)
9/25/2020		0.047 (J)
3/9/2021		0.038 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
3/23/2016	0.0574 (J)	
5/18/2016	0.0686 (J)	
7/6/2016	0.0675 (J)	
9/7/2016	0.0582 (J)	
10/18/2016	0.0577 (J)	
12/8/2016	0.0572	
2/2/2017	0.0534	
3/24/2017	0.0532	
10/4/2017	0.0563	
3/15/2018	0.053	
10/4/2018	0.048	
4/8/2019	0.049 (J)	
10/1/2019	0.05	
3/30/2020		0.049 (J)
9/24/2020		0.045 (J)
3/9/2021		0.041

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
3/23/2016	0.0213 (J)	
5/18/2016	0.028 (J)	
7/6/2016	0.0231 (J)	
9/8/2016	0.0234 (J)	
10/18/2016	0.0228 (J)	
12/8/2016	0.0251 (J)	
2/2/2017	0.0238 (J)	
3/24/2017	0.0234 (J)	
10/5/2017	0.0329 (J)	
3/14/2018	0.024 (J)	
10/4/2018	0.047 (J)	
4/8/2019	0.055 (J)	
10/1/2019	0.046	
3/27/2020		0.056 (J)
6/19/2020		0.086 (JR)
9/24/2020		0.055 (J)
3/9/2021		0.05

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/23/2016	<0.1	
5/18/2016	0.0202 (J)	
7/6/2016	0.0171 (J)	
9/8/2016	0.0157 (J)	
10/19/2016	0.0152 (J)	
12/8/2016	0.0178 (J)	
2/2/2017	0.0151 (J)	
3/27/2017	0.0203 (J)	
10/5/2017	0.0157 (J)	
3/15/2018	0.013 (J)	
10/5/2018	0.017 (J)	
4/8/2019	0.015 (J)	
10/1/2019	0.018 (J)	
3/27/2020		0.018 (J)
9/24/2020		0.016 (J)
3/9/2021		0.014 (J)

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/22/2016	13.9	
5/17/2016	15.6	
7/5/2016	15.7	
9/7/2016	18.2	
10/18/2016	17.7	
12/6/2016	16.9	
1/31/2017	17.9	
3/23/2017	13.9	
10/4/2017	15.9	
3/14/2018	<25	
10/4/2018	15.9 (J)	
4/8/2019	15.7	
9/30/2019	17.6	
3/26/2020		14
9/23/2020		17.6
3/8/2021		16.2 (M1)

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/22/2016	23.8	
5/17/2016	21.5	
7/6/2016	20.6	
9/7/2016	16.7	
10/18/2016	20.3	
12/6/2016	19.7	
2/1/2017	18.1	
3/24/2017	21.1	
10/5/2017	20.1	
3/15/2018	<25	
10/4/2018	21.3 (J)	
4/8/2019	22.4	
9/30/2019	19.6	
3/26/2020		22.4
9/22/2020		19.5
3/8/2021		22



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/22/2016	47.4	
5/17/2016	45.5	
7/5/2016	40.5	
9/7/2016	37.3	
10/18/2016	46.6	
12/7/2016	43.5	
1/31/2017	39.2	
3/23/2017	38.7	
10/4/2017	36.5	
3/14/2018	39.5	
10/4/2018	41.7	
4/8/2019	44.1	
9/30/2019	44.6	
3/26/2020		43.2
9/21/2020		45.8
3/9/2021		48.7

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/22/2016	79.3	
5/17/2016	75.8	
7/5/2016	65.3	
9/7/2016	59.8	
10/18/2016	72.4	
12/6/2016	78.6	
2/1/2017	85	
3/23/2017	81.2	
10/4/2017	78.8	
3/15/2018	83.5	
10/4/2018	75.2	
4/5/2019	76.5	
9/30/2019	74.7	
3/26/2020		78.7
9/23/2020		76.2
3/8/2021		73.5

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/22/2016	123	
5/17/2016	99.2	
7/6/2016	109	
9/7/2016	67.2	
10/18/2016	77.9	
12/6/2016	93.3	
2/1/2017	92.8	
3/24/2017	96.3	
10/4/2017	75.1	
3/15/2018	69.9	
10/4/2018	77.8	
4/8/2019	86.6	
9/30/2019	78.3	
3/26/2020		87.4
9/23/2020		74.9
3/8/2021		87.2

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/23/2016	43.9	
5/17/2016	40.1	
7/6/2016	32.3	
9/7/2016	28.9	
10/18/2016	35.4	
12/6/2016	34.3	
2/2/2017	38.1	
3/27/2017	45.4	
10/5/2017	35.8	
3/15/2018	52.4	
5/15/2018	48.4	
10/4/2018	51.2	
12/11/2018	49.3	
4/9/2019	48.8	
10/1/2019	36.8	
3/27/2020		22.9
9/25/2020		39.4
3/9/2021		48.7

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/24/2016	40.7	
5/18/2016	41.9	
7/7/2016	36.8	
9/8/2016	35.9	
10/19/2016	38.7	
12/8/2016	39.4	
2/2/2017	41.5	
3/27/2017	39.1	
10/5/2017	41.6	
3/16/2018	45.9	
5/16/2018	40	
10/5/2018	39.6	
4/9/2019	41.4	
10/1/2019	38.7	
3/30/2020		45.7
9/24/2020		36.9
3/9/2021		44.9

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/24/2016	43.9	
5/18/2016	48.2	
7/6/2016	45.8	
9/8/2016	40.9	
10/18/2016	45.5	
12/7/2016	40.6	
2/2/2017	42.4	
3/27/2017	45.5	
10/5/2017	42.9	
3/15/2018	43.3	
10/4/2018	43.7	
4/9/2019	45.8	
10/1/2019	42.3	
3/31/2020		52.3
6/19/2020		41.3 (R)
9/28/2020		44.7
3/10/2021		47.4

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/23/2016	56.3	
5/18/2016	59	
7/7/2016	50.9	
9/8/2016	48	
10/19/2016	49.7	
12/7/2016	46.4	
2/3/2017	49	
3/27/2017	50.7	
10/5/2017	52	
3/16/2018	53.4	
10/5/2018	52.7	
4/9/2019	57.1	
10/1/2019	59.1	
3/31/2020		63.6
6/19/2020		61.4 (R)
9/23/2020		55.8
3/10/2021		64.9

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/24/2016	31.4	
5/18/2016	39.2	
7/7/2016	36	
9/8/2016	70	
10/19/2016	63	
12/7/2016	54.7	
2/2/2017	37.4	
3/27/2017	20.9	
10/5/2017	26.8	
3/15/2018	62.8	
10/4/2018	48.6	
4/9/2019	35.4	
10/1/2019	82.8	
11/6/2019	74.9	
11/26/2019	45.8	
3/31/2020		25.6
9/24/2020		73.4
3/9/2021		67.8



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/23/2016	49.9	
5/18/2016	50.7	
7/7/2016	45.5	
9/8/2016	46.8	
10/19/2016	47.3	
12/7/2016	45.3	
2/2/2017	49.9	
3/27/2017	45.8	
10/5/2017	47.3	
3/15/2018	46.8	
10/4/2018	50.4	
4/9/2019	47.3	
10/1/2019	46.9	
3/31/2020		51.5
9/23/2020		45.9
3/9/2021		48.7

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/23/2016	36.4	
5/19/2016	41.5	
7/7/2016	33.5	
9/8/2016	34.7	
10/19/2016	33.4	
12/7/2016	35.5	
2/3/2017	31.7	
3/27/2017	32	
10/5/2017	41	
3/15/2018	39.8	
10/5/2018	39.3	
4/8/2019	39.8	
10/1/2019	39.1	
3/26/2020		44.7
9/23/2020		39.2
3/9/2021		54.3

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/23/2016	79	
5/17/2016	74.6	
7/6/2016	66.9	
9/7/2016	61.6	
10/18/2016	71.6	
12/8/2016	67.6	
2/1/2017	82.5	
3/23/2017	84.4	
10/4/2017	70.8	
3/16/2018	78.1	
10/4/2018	73	
4/9/2019	73.9	
10/1/2019	70.6	
3/31/2020		84.2
9/25/2020		77.1
3/9/2021		85.4

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/23/2016	64.1	
5/17/2016	62.8	
7/6/2016	59.5	
9/7/2016	53.7	
10/18/2016	62.3	
12/8/2016	58.8	
2/1/2017	59.6	
3/23/2017	62.9	
10/4/2017	62.4	
3/16/2018	66.9	
10/4/2018	65.5	
4/8/2019	67	
10/1/2019	64.2	
3/31/2020		70.6
9/25/2020		71.3
3/9/2021		70.8

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
3/23/2016	45.2	
5/18/2016	46.5	
7/6/2016	29.1	
9/7/2016	19.2	
10/18/2016	22.6	
12/8/2016	17.5	
2/2/2017	54.4	
3/24/2017	56.8	
10/4/2017	30.5	
3/15/2018	43.4	
10/4/2018	26.1	
4/8/2019	56.1	
10/1/2019	28.5	
3/30/2020		47.8
9/24/2020		39.5
3/9/2021		64.3

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
3/23/2016	69.1	
5/18/2016	63.7	
7/6/2016	56.8	
9/8/2016	51.3	
10/18/2016	52.6	
12/8/2016	43.7	
2/2/2017	56.5	
3/24/2017	64.4	
10/5/2017	59.9	
3/14/2018	58.8	
10/4/2018	264 (o)	
12/11/2018	64.3	
4/8/2019	81.5	
6/18/2019	83.7	
6/27/2019	75.9	
10/1/2019	64	
3/27/2020		87.3
9/24/2020		81.4
3/9/2021		83.2

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/23/2016	36	
5/18/2016	37.3	
7/6/2016	32.8	
9/8/2016	32.1	
10/19/2016	35	
12/8/2016	33.4	
2/2/2017	34.3	
3/27/2017	34.9	
10/5/2017	34.7	
3/15/2018	35.3	
10/5/2018	37.8	
4/8/2019	36.3	
10/1/2019	37.2	
3/27/2020		34.3
9/24/2020		35.9
3/9/2021		36.8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/22/2016	1.1933	
5/17/2016	1.14	
7/5/2016	1.4	
9/7/2016	1	
10/18/2016	1.1	
12/6/2016	1	
1/31/2017	1.2	
3/23/2017	1.1	
10/4/2017	1.1	
3/14/2018	1.2	
10/4/2018	1.4	
4/8/2019	1.1	
9/30/2019	1.4	
3/26/2020		1.1
9/23/2020		1.6
3/8/2021		1.1



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/22/2016	1.3137	
5/17/2016	1.29	
7/6/2016	1.6	
9/7/2016	1.5	
10/18/2016	1.6	
12/6/2016	1.2	
2/1/2017	2.1	
3/24/2017	1.3	
10/5/2017	1.3	
3/15/2018	1.6	
10/4/2018	1.8	
4/8/2019	1.3	
9/30/2019	1.5	
3/26/2020		1.4
9/22/2020		1
3/8/2021		1.3

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/22/2016	2.0975	
5/17/2016	2.1	
7/5/2016	2.4	
9/7/2016	2.5	
10/18/2016	2.7	
12/7/2016	2.6	
1/31/2017	2.5	
3/23/2017	2	
10/4/2017	2.2	
3/14/2018	2.4	
10/4/2018	2.5	
4/8/2019	2.6	
9/30/2019	3	
3/26/2020		2
9/21/2020		2.1
3/9/2021		2.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/22/2016	4.0352	
5/17/2016	3.81	
7/5/2016	4	
9/7/2016	4.2	
10/18/2016	4.4	
12/6/2016	4.6	
2/1/2017	3.7	
3/23/2017	3.5	
10/4/2017	3.6	
3/15/2018	3.8	
10/4/2018	3.4	
4/5/2019	4.2	
9/30/2019	4.1	
3/26/2020		2.6
9/23/2020		2.8
3/8/2021		2.8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/22/2016	5.549	
5/17/2016	6.74	
7/6/2016	5.2	
9/7/2016	7.2	
10/18/2016	7.4	
12/6/2016	7.6	
2/1/2017	8.5	
3/24/2017	7	
10/4/2017	7.4	
3/15/2018	1.7	
10/4/2018	6.1	
4/8/2019	3.6	
9/30/2019	7.5	
3/26/2020		5.4
9/23/2020		4.2
3/8/2021		5.6

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/23/2016	1.3507	
5/17/2016	1.28	
7/6/2016	1.5	
9/7/2016	1.5	
10/18/2016	1.4	
12/6/2016	1.3	
2/2/2017	1.8	
3/27/2017	1.7	
10/5/2017	1.5	
3/15/2018	2	
5/15/2018	1.4	
10/4/2018	2.1	
12/11/2018	1.9	
4/9/2019	1.9	
10/1/2019	1.5	
3/27/2020		1.2
9/25/2020		1.1
3/9/2021		1.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/24/2016	1.1313	
5/19/2016	1.13	
7/7/2016	1.5	
9/8/2016	1.4	
10/19/2016	1.4	
12/8/2016	1.4	
2/2/2017	1.6	
3/27/2017	1.5	
10/5/2017	1.4	
3/16/2018	1.5	
10/5/2018	1.5	
4/9/2019	1.6	
10/1/2019	0.94 (J)	
3/30/2020		1
9/24/2020		0.94 (J)
3/9/2021		0.97 (J)

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/24/2016	1.6497	
5/18/2016	1.74	
7/6/2016	2.1	
9/8/2016	1.9	
10/18/2016	2.1	
12/7/2016	2	
2/2/2017	2.3	
3/27/2017	2.1	
10/5/2017	1.9	
3/15/2018	1.9	
10/4/2018	2	
4/9/2019	1.9	
10/1/2019	1.3	
3/31/2020		1.3
9/28/2020		1.3
3/10/2021		1.3

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/23/2016	1.4238	
5/18/2016	1.57	
7/7/2016	1.7	
9/8/2016	1.5	
10/19/2016	1.7	
12/7/2016	1.8	
2/3/2017	2	
3/27/2017	1.8	
10/5/2017	5.5 (o)	
12/14/2017	1.5	
3/16/2018	1.9	
10/5/2018	2.2	
12/11/2018	1.8	
4/9/2019	1.8	
10/1/2019	1.1	
3/31/2020		1.1
9/23/2020		1.1
3/10/2021		1.2



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/24/2016	2.461	
5/18/2016	2.61	
7/7/2016	2.8	
9/8/2016	2.3	
10/19/2016	2.4	
12/7/2016	2.2	
2/2/2017	3.4	
3/27/2017	2.7	
10/5/2017	3.3	
3/15/2018	3.6	
5/15/2018	3.2	
10/4/2018	2.4	
4/9/2019	2.6	
10/1/2019	2	
3/31/2020		1.5
9/24/2020		1.8
3/9/2021		1.8

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/23/2016	1.2595	
5/18/2016	1.25	
7/7/2016	1.7	
9/8/2016	1.5	
10/19/2016	1.6	
12/7/2016	1.5	
2/2/2017	1.8	
3/27/2017	1.5	
10/5/2017	1.6	
3/15/2018	1.7	
10/4/2018	1.7	
4/9/2019	1.7	
10/1/2019	1.4	
3/31/2020		1
9/23/2020		1.1
3/9/2021		1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/23/2016	1.5409	
5/19/2016	1.23	
7/7/2016	1.7	
9/8/2016	1.6	
10/19/2016	1.6	
12/7/2016	1.7	
2/3/2017	1.9	
3/27/2017	1.7	
10/5/2017	1.4	
3/15/2018	1.6	
10/5/2018	1.6	
4/8/2019	1.5	
10/1/2019	1.1	
3/26/2020		0.63 (J)
9/23/2020		1.1
3/9/2021		0.85 (J)

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/23/2016	2.5045	
5/17/2016	2.47	
7/6/2016	2.9	
9/7/2016	2.8	
10/18/2016	2.8	
12/8/2016	3.1	
2/1/2017	3.8	
3/23/2017	3.4	
10/4/2017	3.7	
3/16/2018	3.2	
10/4/2018	3.2	
4/9/2019	3.3	
10/1/2019	2.2	
3/31/2020		2
9/25/2020		2.3
3/9/2021		2

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/23/2016	1.7709	
5/17/2016	1.75	
7/6/2016	2	
9/7/2016	2	
10/18/2016	2	
12/8/2016	2	
2/1/2017	2.2	
3/23/2017	2	
10/4/2017	1.7	
3/16/2018	2.1	
10/4/2018	2.2	
4/8/2019	2.1	
10/1/2019	1.6	
3/31/2020		1.5
9/25/2020		1.6
3/9/2021		1.5

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
3/23/2016	1.1569	
5/18/2016	1.35	
7/6/2016	1.9	
9/7/2016	1.7	
10/18/2016	1.8	
12/8/2016	1.6	
2/2/2017	2	
3/24/2017	1.3	
10/4/2017	1.7	
3/15/2018	1.9	
10/4/2018	2	
4/8/2019	1.9	
10/1/2019	1.2	
3/30/2020		9.2
6/19/2020		1.4 (R)
9/24/2020		1.4
3/9/2021		1.5

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
3/23/2016	1.4936	
5/19/2016	1.35	
7/6/2016	1.6	
9/8/2016	1.4	
10/18/2016	1.4	
12/8/2016	1.5	
2/2/2017	1.7	
3/24/2017	2.1	
10/5/2017	2	
3/14/2018	2.1	
10/4/2018	2.3	
12/11/2018	2.3	
1/11/2019	2.8	
4/8/2019	3.2	
10/1/2019	1.8	
3/27/2020		2.5
9/24/2020		2.2
3/9/2021		2.2

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/23/2016	0.9561	
5/19/2016	0.972	
7/6/2016	1.3	
9/8/2016	1	
10/19/2016	1.1	
12/8/2016	1.3	
2/2/2017	1.6	
3/27/2017	1.4	
10/5/2017	1.1	
3/15/2018	1.3	
10/5/2018	1.6	
4/8/2019	1	
10/1/2019	0.91 (J)	
3/27/2020		0.74 (J)
9/24/2020		0.82 (J)
3/9/2021		0.74 (J)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/22/2016	0.119 (J)	
5/17/2016	0.1049 (J)	
7/5/2016	0.1 (J)	
9/7/2016	0.13 (J)	
10/18/2016	0.15 (J)	
12/6/2016	0.11 (J)	
1/31/2017	0.02 (J)	
3/23/2017	0.08 (J)	
10/4/2017	0.07 (J)	
3/14/2018	<0.3	
10/4/2018	0.17 (J)	
4/8/2019	0.057 (J)	
9/30/2019	0.11 (J)	
3/26/2020		0.082 (J)
9/23/2020		0.089 (J)
3/8/2021		0.094 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/22/2016	0.0811 (J)	
5/17/2016	0.0706 (J)	
7/6/2016	0.09 (J)	
9/7/2016	0.04 (J)	
10/18/2016	0.07 (J)	
12/6/2016	0.13 (J)	
2/1/2017	<0.3	
3/24/2017	0.01 (J)	
10/5/2017	<0.3	
3/15/2018	<0.3	
10/4/2018	0.15 (J)	
4/8/2019	0.035 (J)	
9/30/2019	0.099 (J)	
3/26/2020		0.057 (J)
9/22/2020		0.061 (J)
3/8/2021		0.11

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/22/2016	0.1252 (J)	
5/17/2016	0.1091 (J)	
7/5/2016	0.16 (J)	
9/7/2016	0.18 (J)	
10/18/2016	0.13 (J)	
12/7/2016	0.13 (J)	
1/31/2017	0.04 (J)	
3/23/2017	0.08 (J)	
10/4/2017	0.11 (J)	
3/14/2018	<0.3	
10/4/2018	0.25 (J)	
4/8/2019	0.072 (J)	
9/30/2019	0.14 (J)	
3/26/2020		0.12 (J)
9/21/2020		0.12
3/9/2021		0.099 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/22/2016	0.1415 (J)	
5/17/2016	0.1293 (J)	
7/5/2016	0.21 (J)	
9/7/2016	0.21 (J)	
10/18/2016	0.15 (J)	
12/6/2016	0.19 (J)	
2/1/2017	0.35	
3/23/2017	0.39	
10/4/2017	0.49	
3/15/2018	<0.3	
10/4/2018	0.24 (J)	
4/5/2019	0.31	
9/30/2019	0.15 (J)	
3/26/2020		0.09 (J)
9/23/2020		0.11
3/8/2021		0.13

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/22/2016	0.1754 (J)	
5/17/2016	0.1385 (J)	
7/6/2016	0.22 (J)	
9/7/2016	0.2 (J)	
10/18/2016	0.16 (J)	
12/6/2016	0.29 (J)	
2/1/2017	0.48	
3/24/2017	0.12 (J)	
10/4/2017	0.2 (J)	
3/15/2018	0.4	
10/4/2018	0.24 (J)	
4/8/2019	0.12 (J)	
9/30/2019	0.17 (J)	
3/26/2020		0.089 (J)
9/23/2020		0.13
3/8/2021		0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/23/2016	0.1069 (J)	
5/17/2016	0.0991 (J)	
7/6/2016	0.09 (J)	
9/7/2016	0.13 (J)	
10/18/2016	0.16 (J)	
12/6/2016	0.12 (J)	
2/2/2017	0.07 (J)	
3/27/2017	0.05 (J)	
10/5/2017	0.11 (J)	
3/15/2018	<0.3	
10/4/2018	0.16 (J)	
4/9/2019	0.067 (J)	
10/1/2019	0.07 (J)	
3/27/2020		<0.3
9/25/2020		0.085 (J)
3/9/2021		0.078 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/24/2016	0.1459 (J)	
5/19/2016	0.1408 (J)	
7/7/2016	0.2 (J)	
9/8/2016	0.14 (J)	
10/19/2016	0.14 (J)	
12/8/2016	0.16 (J)	
2/2/2017	0.17 (J)	
3/27/2017	0.11 (J)	
10/5/2017	0.13 (J)	
3/16/2018	<0.3	
10/5/2018	0.21 (J)	
4/9/2019	0.1 (J)	
10/1/2019	0.11 (J)	
3/30/2020		0.1 (J)
9/24/2020		0.11
3/9/2021		0.11

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/24/2016	0.1652 (J)	
5/18/2016	0.1459 (J)	
7/6/2016	0.21 (J)	
9/8/2016	0.15 (J)	
10/18/2016	0.19 (J)	
12/7/2016	0.24 (J)	
2/2/2017	0.1 (J)	
3/27/2017	0.11 (J)	
10/5/2017	0.13 (J)	
3/15/2018	<0.3	
10/4/2018	0.21 (J)	
4/9/2019	0.1 (J)	
10/1/2019	0.11 (J)	
3/31/2020		0.099 (J)
9/28/2020		0.11
3/10/2021		0.11



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/23/2016	0.0905 (J)	
5/18/2016	0.0864 (J)	
7/7/2016	0.16 (J)	
9/8/2016	0.08 (J)	
10/19/2016	0.09 (J)	
12/7/2016	0.11 (J)	
2/3/2017	0.06 (J)	
3/27/2017	0.04 (J)	
10/5/2017	0.05 (J)	
3/16/2018	<0.3	
10/5/2018	0.17 (J)	
4/9/2019	0.056 (J)	
10/1/2019	0.069 (J)	
3/31/2020		0.054 (J)
9/23/2020		0.065 (J)
3/10/2021		0.068 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/24/2016	0.0445 (J)	
5/18/2016	0.0476 (J)	
7/7/2016	0.12 (J)	
9/8/2016	0.11 (J)	
10/19/2016	0.13 (J)	
12/7/2016	0.23 (J)	
2/2/2017	0.11 (J)	
3/27/2017	0.01 (J)	
10/5/2017	<0.3	
3/15/2018	<0.3	
10/4/2018	0.15 (J)	
4/9/2019	0.063 (J)	
10/1/2019	0.094 (J)	
3/31/2020		<0.3
9/24/2020		0.1
3/9/2021		0.058 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/23/2016	0.0886 (J)	
5/18/2016	0.0839 (J)	
7/7/2016	0.08 (J)	
9/8/2016	0.11 (J)	
10/19/2016	0.1 (J)	
12/7/2016	0.09 (J)	
2/2/2017	0.05 (J)	
3/27/2017	0.08 (J)	
10/5/2017	0.08 (J)	
3/15/2018	<0.3	
10/4/2018	0.14 (J)	
4/9/2019	0.063 (J)	
10/1/2019	0.079 (J)	
3/31/2020		0.055 (J)
9/23/2020		0.073 (J)
3/9/2021		0.067 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/23/2016	0.1064 (J)	
5/19/2016	0.0928 (J)	
7/7/2016	0.13 (J)	
9/8/2016	0.12 (J)	
10/19/2016	0.1 (J)	
12/7/2016	0.1 (J)	
2/3/2017	0.12 (J)	
3/27/2017	0.14 (J)	
10/5/2017	0.09 (J)	
3/15/2018	<0.3	
10/5/2018	0.18 (J)	
4/8/2019	0.057 (J)	
10/1/2019	0.079 (J)	
3/26/2020		0.064 (J)
9/23/2020		0.088 (J)
3/9/2021		0.069 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/23/2016	0.0582 (J)	
5/17/2016	0.0571 (J)	
7/6/2016	0.29 (J)	
9/7/2016	0.08 (J)	
10/18/2016	0.09 (J)	
12/8/2016	0.06 (J)	
2/1/2017	0.33	
3/23/2017	0.07 (J)	
10/4/2017	<0.3	
3/16/2018	<0.3	
10/4/2018	0.16 (J)	
4/9/2019	0.061 (J)	
10/1/2019	0.064 (J)	
3/31/2020		<0.3
9/25/2020		0.058 (J)
3/9/2021		0.05 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/23/2016	0.0791 (J)	
5/17/2016	0.0712 (J)	
7/6/2016	0.28 (J)	
9/7/2016	0.08 (J)	
10/18/2016	0.07 (J)	
12/8/2016	0.13 (J)	
2/1/2017	0.24 (J)	
3/23/2017	0.04 (J)	
10/4/2017	0.03 (J)	
3/16/2018	<0.3	
10/4/2018	0.17 (J)	
4/8/2019	<0.3	
10/1/2019	0.063 (J)	
3/31/2020		0.053 (J)
9/25/2020		0.063 (J)
3/9/2021		0.06 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
3/23/2016	0.2004 (J)	
5/18/2016	0.1766 (J)	
7/6/2016	0.39	
9/7/2016	0.53	
10/18/2016	0.24 (J)	
12/8/2016	0.24 (J)	
2/2/2017	0.3 (J)	
3/24/2017	0.22 (J)	
10/4/2017	0.19 (J)	
3/15/2018	0.37	
10/4/2018	0.19 (J)	
4/8/2019	0.17 (J)	
10/1/2019	0.16 (J)	
3/30/2020		0.16 (J)
9/24/2020		0.14
3/9/2021		0.17

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
3/23/2016	0.1537 (J)	
5/19/2016	0.1414 (J)	
7/6/2016	0.15 (J)	
9/8/2016	0.35	
10/18/2016	0.17 (J)	
12/8/2016	0.15 (J)	
2/2/2017	0.1 (J)	
3/24/2017	0.14 (J)	
10/5/2017	0.15 (J)	
3/14/2018	0.4	
5/16/2018	0.32	
10/4/2018	0.28 (J)	
4/8/2019	0.1 (J)	
10/1/2019	0.13 (J)	
3/27/2020		0.12 (J)
9/24/2020		0.15
3/9/2021		0.12



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/23/2016	0.0993 (J)	
5/19/2016	0.0936 (J)	
7/6/2016	0.09 (J)	
9/8/2016	0.11 (J)	
10/19/2016	0.1 (J)	
12/8/2016	0.11 (J)	
2/2/2017	0.05 (J)	
3/27/2017	0.07 (J)	
10/5/2017	0.06 (J)	
3/15/2018	<0.3	
10/5/2018	0.18 (J)	
4/8/2019	0.058 (J)	
10/1/2019	0.078 (J)	
3/27/2020		0.078 (J)
9/24/2020		0.076 (J)
3/9/2021		0.08 (J)

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/22/2016	7.07	
5/17/2016	7	
7/5/2016	6.88	
9/7/2016	7.24	
10/18/2016	6.86	
12/6/2016	6.98	
1/31/2017	6.63	
3/23/2017	7.12	
10/4/2017	6.83	
3/14/2018	6.66	
10/4/2018	6.92	
4/8/2019	6.86	
9/30/2019	7.15	
3/26/2020		7.02
9/23/2020		6.98
3/8/2021		6.86

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/22/2016	7	
5/17/2016	6.77	
7/6/2016	6.64	
9/7/2016	6.83	
10/18/2016	6.58	
12/6/2016	6.66	
2/1/2017	6.5	
3/24/2017	6.72	
10/5/2017	6.69	
3/15/2018	6.48	
10/4/2018	6.66	
4/8/2019	6.61	
9/30/2019	6.86	
3/26/2020		6.83
9/22/2020		6.8
3/8/2021		6.78

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/22/2016	7.19	
5/17/2016	6.94	
7/5/2016	6.98	
9/7/2016	6.86	
10/18/2016	6.71	
12/7/2016	6.71	
1/31/2017	6.95	
3/23/2017	7.04	
10/4/2017	6.86	
3/14/2018	6.76	
10/4/2018	6.62	
4/8/2019	6.79	
9/30/2019	6.86	
3/26/2020		7.07
9/21/2020		6.9
3/9/2021		6.93

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/22/2016	7.11	
5/17/2016	6.95	
7/5/2016	6.55	
9/7/2016	6.81	
10/18/2016	6.64	
12/6/2016	6.34	
2/1/2017	6.68	
3/23/2017	6.8	
10/4/2017	6.64	
3/15/2018	6.88	
10/4/2018	6.62	
4/5/2019	6.77	
9/30/2019	6.73	
3/26/2020		6.87
9/23/2020		6.87
3/8/2021		6.95

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/22/2016	7.14	
5/17/2016	6.67	
7/6/2016	6.53	
9/7/2016	6.72	
10/18/2016	6.73	
12/6/2016	6.61	
2/1/2017	6.7	
3/24/2017	6.77	
10/4/2017	6.52	
3/15/2018	7.11	
10/4/2018	6.72	
4/8/2019	6.82	
9/30/2019	6.77	
3/26/2020		6.74
9/23/2020		6.81
3/8/2021		6.84

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/23/2016	7.56	
5/17/2016	7.46	
7/6/2016	7.24	
9/7/2016	7.4	
10/18/2016	7.11	
12/6/2016	7.32	
2/2/2017	7.19	
3/27/2017	7.48	
10/5/2017	7.13	
3/15/2018	7.08	
10/4/2018	7.26	
4/9/2019	7.22	
10/1/2019	7.07	
3/27/2020		6.82
6/19/2020		7.4 (R)
9/25/2020		7.28
3/9/2021		7.43

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/24/2016	7.71	
5/18/2016	7.59	
7/7/2016	7.55	
9/8/2016	7.54	
10/19/2016	7.66	
12/8/2016	7.47	
2/2/2017	7.64	
3/27/2017	7.59	
10/5/2017	7.65	
3/16/2018	7.51	
10/5/2018	7.57	
4/9/2019	7.48	
10/1/2019	7.65	
3/30/2020		7.65
9/24/2020		7.62
3/9/2021		7.66



# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:00 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/24/2016	7.69	
5/18/2016	7.49	
7/6/2016	7.39	
9/8/2016	7.57	
10/18/2016	7.35	
12/7/2016	7.42	
2/2/2017	7.43	
3/27/2017	7.53	
10/5/2017	7.36	
3/15/2018	7.54	
10/4/2018	7.44	
4/9/2019	7.4	
10/1/2019	7.31	
3/31/2020		7.62
6/19/2020		7.61 (R)
9/28/2020		7.78
11/10/2020		7.37 (R)
3/10/2021		7.49

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/23/2016	7.55	
5/18/2016	7.32	
7/7/2016	7.39	
9/8/2016	7.34	
10/19/2016	7.35	
12/7/2016	7.35	
2/3/2017	7.37	
3/27/2017	7.26	
10/5/2017	7.2	
3/16/2018	7.13	
5/15/2018	7.18	
10/5/2018	7.07	
12/11/2018	7.16	
4/9/2019	7.26	
10/1/2019	7.16	
3/31/2020		7.57
6/19/2020		7.31 (R)
9/23/2020		7.11
3/10/2021		7.41

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/24/2016	6.4	
5/18/2016	6.44	
7/7/2016	6.12	
9/8/2016	7.2	
10/19/2016	7.11	
12/7/2016	7.24	
2/2/2017	6.86	
3/27/2017	6.51	
10/5/2017	5.97	
3/15/2018	7.01	
10/4/2018	6.33	
4/9/2019	6.46	
10/1/2019	6.9	
3/31/2020		6.33
9/24/2020		7.12
3/9/2021		7.04

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/23/2016	7.72	
5/18/2016	7.77	
7/7/2016	7.65	
9/8/2016	7.89	
10/19/2016	7.64	
12/7/2016	7.72	
2/2/2017	7.56	
3/27/2017	7.69	
10/5/2017	7.53	
3/15/2018	7.5	
10/4/2018	7.52	
4/9/2019	7.49	
10/1/2019	7.38	
11/6/2019	7.66	
3/31/2020		7.8
9/23/2020		7.42
3/9/2021		7.52

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/23/2016	7.48	
5/19/2016	7.24	
7/7/2016	7.18	
9/8/2016	7.17	
10/19/2016	7.05	
12/7/2016	7.16	
2/3/2017	7.27	
3/27/2017	7.24	
10/5/2017	7.25	
3/15/2018	7.05	
10/5/2018	6.97	
4/8/2019	6.88	
10/1/2019	7	
3/26/2020		6.88
9/23/2020		6.96
3/9/2021		6.81

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/23/2016	7.1	
5/17/2016	6.88	
7/6/2016	6.75	
9/7/2016	6.95	
10/18/2016	6.9	
12/8/2016	6.55	
2/1/2017	6.81	
3/23/2017	6.8	
10/4/2017	7.12	
3/16/2018	6.72	
10/4/2018	6.52	
4/9/2019	6.72	
10/1/2019	6.81	
3/31/2020		6.82
9/25/2020		6.82
3/9/2021		6.93

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/23/2016	7.29	
5/17/2016	7.1	
7/6/2016	7	
9/7/2016	7.07	
10/18/2016	6.81	
12/8/2016	6.85	
2/1/2017	7.05	
3/23/2017	6.97	
10/4/2017	7.17	
3/16/2018	6.8	
10/4/2018	6.93	
4/8/2019	7	
10/1/2019	6.97	
3/31/2020		7.17
6/18/2020		6.96 (R)
9/25/2020		6.96
3/9/2021		7.09

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
3/23/2016	6.36	
5/18/2016	6.21	
7/6/2016	5.88	
9/7/2016	5.77	
10/18/2016	5.9	
12/9/2016	5.73	
2/2/2017	6.29	
3/24/2017	6.32	
10/4/2017	6.03	
3/15/2018	6.05	
10/4/2018	5.92	
4/8/2019	6.26	
10/1/2019	6.09	
3/30/2020		6.48
6/19/2020		6.45 (R)
9/24/2020		6.32
3/9/2021		6.59



# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
3/23/2016	7.46	
5/18/2016	7.4	
7/6/2016	7.36	
9/8/2016	7.45	
10/18/2016	7.5	
12/8/2016	7.28	
2/2/2017	7.45	
3/24/2017	7.28	
10/5/2017	7.53	
3/14/2018	7.28	
10/4/2018	7.22	
4/8/2019	6.91	
6/18/2019	6.85	
6/27/2019	7.05	
10/1/2019	7.11	
3/27/2020		7.01
6/19/2020		6.81 (R)
9/24/2020		6.96
3/9/2021		7.06

# Prediction Limit

Constituent: pH (SU) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/23/2016	7.2	
5/18/2016	6.96	
7/6/2016	6.89	
9/8/2016	6.93	
10/19/2016	6.84	
12/8/2016	6.54	
2/2/2017	6.72	
3/27/2017	6.56	
10/5/2017	7.03	
3/15/2018	6.66	
10/5/2018	6.41	
4/8/2019	6.72	
10/1/2019	6.77	
3/27/2020		7.11
9/24/2020		6.75
3/9/2021		6.92

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/22/2016	4.4409	
5/17/2016	4.43	
7/5/2016	4.6	
9/7/2016	4.8	
10/18/2016	4.7	
12/6/2016	4.7	
1/31/2017	5.1	
3/23/2017	4.7	
10/4/2017	5	
3/14/2018	5.1	
10/4/2018	5.2	
4/8/2019	4.6	
9/30/2019	4.9	
3/26/2020		5
9/23/2020		6.6
3/8/2021		4.6

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/22/2016	11.6823	
5/17/2016	11.4	
7/6/2016	12	
9/7/2016	13	
10/18/2016	13	
12/6/2016	12	
2/1/2017	13	
3/24/2017	12	
10/5/2017	13	
3/15/2018	12.2	
10/4/2018	15.6	
4/8/2019	13.2	
9/30/2019	11.5	
3/26/2020		10.8
9/22/2020		9.8
3/8/2021		11.5

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/22/2016	13.0789	
5/17/2016	15.3	
7/5/2016	15	
9/7/2016	16	
10/18/2016	16	
12/7/2016	15	
1/31/2017	13	
3/23/2017	12	
10/4/2017	12	
3/14/2018	13.9	
10/4/2018	17.4	
4/8/2019	18.1	
9/30/2019	17.5	
3/26/2020		15.6
9/21/2020		18.2
3/9/2021		16.8

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/22/2016	107.476	
5/17/2016	106	
7/5/2016	110	
9/7/2016	83	
10/18/2016	110	
12/6/2016	220	
2/1/2017	190	
3/23/2017	160	
10/4/2017	140	
3/15/2018	119	
10/4/2018	117	
4/5/2019	131	
9/30/2019	118	
3/26/2020		95.8
9/23/2020		95.6
3/8/2021		99.5

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/22/2016	302.2975	
5/17/2016	213	
7/6/2016	280	
9/7/2016	160	
10/18/2016	120	
12/6/2016	210	
2/1/2017	200	
3/24/2017	140	
10/4/2017	140	
3/15/2018	167	
10/4/2018	209	
4/8/2019	248	
9/30/2019	117	
3/26/2020		128
9/23/2020		123
3/8/2021		152

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/23/2016	14.6529	
5/17/2016	13.3	
7/6/2016	10	
9/7/2016	10	
10/18/2016	10	
12/6/2016	11	
2/2/2017	11	
3/27/2017	33	
10/5/2017	16	
3/15/2018	33.9	
5/15/2018	29.1	
10/4/2018	29.5	
4/9/2019	21.4	
10/1/2019	13.4	
3/27/2020		10.8
9/25/2020		11.6
3/9/2021		14.2



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/24/2016	10.1818	
5/19/2016	9.58	
7/7/2016	9.6	
9/8/2016	9.4	
10/19/2016	9.9	
12/8/2016	14	
2/2/2017	13	
3/27/2017	12	
10/5/2017	12	
3/16/2018	11.7	
10/5/2018	10.6	
4/9/2019	11.3	
10/1/2019	8.9	
3/30/2020		9.7
9/24/2020		8.5
3/9/2021		7.9

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/24/2016	16.8473	
5/18/2016	18.4	
7/6/2016	17	
9/8/2016	16	
10/18/2016	19	
12/7/2016	13	
2/2/2017	14	
3/27/2017	18	
10/5/2017	16	
3/15/2018	14.8	
10/4/2018	15.9	
4/9/2019	16.7	
10/1/2019	14.7	
3/31/2020		17.8
9/28/2020		15.8
3/10/2021		18.7

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/23/2016	22.9683	
5/18/2016	19.2	
7/7/2016	31	
9/8/2016	30	
10/19/2016	32	
12/7/2016	26	
2/3/2017	27	
3/27/2017	30	
10/5/2017	32	
3/16/2018	37.5	
5/15/2018	41	
10/5/2018	38.9	
12/11/2018	41.8	
4/9/2019	50.3	
6/18/2019	38.7	
6/27/2019	46	
10/1/2019	52.3	
11/6/2019	47.3	
3/31/2020		53.6
9/23/2020		58.9
3/10/2021		64.7

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/24/2016	24.8075	
5/18/2016	26.2	
7/7/2016	31	
9/8/2016	33	
10/19/2016	31	
12/7/2016	19	
2/2/2017	52	
3/27/2017	29	
10/5/2017	33	
3/15/2018	38	
10/4/2018	19.3	
4/9/2019	19.9	
10/1/2019	46.3	
3/31/2020		29.9
9/24/2020		37.6
3/9/2021		41.6

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/23/2016	9.1183	
5/18/2016	6.88	
7/7/2016	6.8	
9/8/2016	6.8	
10/19/2016	7.5	
12/7/2016	11	
2/2/2017	9.9	
3/27/2017	8.4	
10/5/2017	7.4	
3/15/2018	8.2	
10/4/2018	6.4	
4/9/2019	11	
10/1/2019	1.9	
3/31/2020		10.9
9/23/2020		5
3/9/2021		6.4

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/23/2016	6.2867	
5/19/2016	5.42	
7/7/2016	5.7	
9/8/2016	5.7	
10/19/2016	5.8	
12/7/2016	5.9	
2/3/2017	38	
3/27/2017	43	
10/5/2017	8.3	
3/15/2018	14	
10/5/2018	9.3	
4/8/2019	6.2	
10/1/2019	5.8	
3/26/2020		14.5
9/23/2020		5.3
3/9/2021		10.2

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/23/2016	76.011	
5/17/2016	76.2	
7/6/2016	74	
9/7/2016	64	
10/18/2016	65	
12/8/2016	100	
2/1/2017	150	
3/23/2017	130	
10/4/2017	71	
3/16/2018	77.4	
10/4/2018	90.3	
4/9/2019	83.6	
10/1/2019	68.1	
3/31/2020		92.6
9/25/2020		80.7
3/9/2021		86.9

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/23/2016	87.512	
5/17/2016	101	
7/6/2016	110	
9/7/2016	97	
10/18/2016	120	
12/8/2016	100	
2/1/2017	110	
3/23/2017	110	
10/4/2017	130	
12/14/2017	130	
1/18/2018	110	
3/16/2018	93.6	
10/4/2018	137	
12/11/2018	110	
4/8/2019	131	
6/19/2019	108	
10/1/2019	71.7	
3/31/2020		106
9/25/2020		110
3/9/2021		105



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
3/23/2016	90.229	
5/18/2016	100	
7/6/2016	130	
9/7/2016	130	
10/18/2016	140	
12/8/2016	140	
2/2/2017	71	
3/24/2017	68	
10/4/2017	120	
3/15/2018	118	
10/4/2018	167	
4/8/2019	97.1	
10/1/2019	120	
3/30/2020		64.6
9/24/2020		120
3/9/2021		87.4

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
3/23/2016	26.3455	
5/19/2016	31.7	
7/6/2016	36	
9/8/2016	45	
10/18/2016	49	
12/8/2016	50	
2/2/2017	51	
3/24/2017	46	
10/5/2017	48	
3/14/2018	36.8	
10/4/2018	45.4	
4/8/2019	39.9	
10/1/2019	47.1	
3/27/2020		31.5
9/24/2020		48.3
3/9/2021		33.1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/23/2016	61.8335	
5/19/2016	64.3	
7/6/2016	69	
9/8/2016	68	
10/19/2016	69	
12/8/2016	69	
2/2/2017	76	
3/27/2017	68	
10/5/2017	74	
3/15/2018	57.8	
10/5/2018	81.9	
12/11/2018	73.6	
4/8/2019	73.5	
10/1/2019	72.2	
3/27/2020		54
9/24/2020		69.9
3/9/2021		65.1 (M1)

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/22/2016	78	
5/17/2016	67	
7/5/2016	87	
9/7/2016	125	
10/18/2016	133	
12/6/2016	151	
1/31/2017	135	
3/23/2017	72	
10/4/2017	91	
3/14/2018	99	
10/4/2018	112	
4/8/2019	91	
9/30/2019	126	
3/26/2020		73
9/23/2020		117
3/8/2021		96

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/22/2016	112	
5/17/2016	121	
7/6/2016	98	
9/7/2016	128	
10/18/2016	115	
12/6/2016	153	
2/1/2017	183	
3/24/2017	121	
10/5/2017	113	
3/15/2018	115	
10/4/2018	135	
4/8/2019	142	
9/30/2019	134	
3/26/2020		76
9/22/2020		107
3/8/2021		107

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/22/2016	233	
5/17/2016	197	
7/5/2016	218	
9/7/2016	240	
10/18/2016	221	
12/7/2016	235	
1/31/2017	253	
3/23/2017	190	
10/4/2017	192	
3/14/2018	204	
10/4/2018	233	
4/8/2019	209	
9/30/2019	242	
3/26/2020		222
9/21/2020		204
3/9/2021		227 (D6)

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/22/2016	451	
5/17/2016	430	
7/5/2016	418	
9/7/2016	443	
10/18/2016	415	
12/6/2016	653	
2/1/2017	615	
3/23/2017	506	
10/4/2017	492	
3/15/2018	448	
10/4/2018	472	
4/5/2019	456	
9/30/2019	475	
3/26/2020		450
9/23/2020		473
3/8/2021		415

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/22/2016	686	
5/17/2016	533	
7/6/2016	646	
9/7/2016	493	
10/18/2016	455	
12/6/2016	597	
2/1/2017	638	
3/24/2017	579	
10/4/2017	440	
3/15/2018	381	
10/4/2018	490	
4/8/2019	522	
9/30/2019	455	
3/26/2020		466
9/23/2020		421
3/8/2021		460



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/23/2016	182	
5/17/2016	178	
7/6/2016	135	
9/7/2016	165	
10/18/2016	113	
12/6/2016	194	
2/2/2017	160	
3/27/2017	252	
10/5/2017	177	
3/15/2018	216	
10/4/2018	222	
4/9/2019	213	
10/1/2019	186	
3/27/2020		118
9/25/2020		153
3/9/2021		201

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/24/2016	205	
5/19/2016	204	
7/7/2016	181	
9/8/2016	193	
10/19/2016	231	
12/8/2016	166	
2/2/2017	191	
3/27/2017	427	
10/5/2017	207	
3/16/2018	199	
10/5/2018	235	
4/9/2019	212	
10/1/2019	196	
3/30/2020		217
9/24/2020		181
3/9/2021		192

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/24/2016	232	
5/18/2016	245	
7/6/2016	231	
9/8/2016	252	
10/18/2016	288	
12/7/2016	220	
2/2/2017	220	
3/27/2017	393	
10/5/2017	242	
3/15/2018	213	
10/4/2018	231	
4/9/2019	253	
10/1/2019	229	
3/31/2020		233
9/28/2020		214
3/10/2021		223 (D6)

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/23/2016	208	
5/18/2016	213	
7/7/2016	212	
9/8/2016	201	
10/19/2016	276	
12/7/2016	186	
2/3/2017	219	
3/27/2017	239	
10/5/2017	216	
3/16/2018	216	
10/5/2018	256	
4/9/2019	267	
10/1/2019	271	
3/31/2020		267
9/23/2020		277
3/10/2021		241

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/24/2016	110	
5/18/2016	153	
7/7/2016	151	
9/8/2016	285	
10/19/2016	314	
12/7/2016	252	
2/2/2017	138	
3/27/2017	88	
10/5/2017	111	
3/15/2018	219	
10/4/2018	152	
4/9/2019	167	
10/1/2019	336	
11/6/2019	336	
11/26/2019	236	
3/31/2020		111
9/24/2020		286
3/9/2021		243

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/23/2016	206	
5/18/2016	212	
7/7/2016	206	
9/8/2016	214	
10/19/2016	269	
12/7/2016	199	
2/2/2017	211	
3/27/2017	324	
10/5/2017	219	
3/15/2018	190	
10/4/2018	215	
4/9/2019	222	
10/1/2019	220	
3/31/2020		195
9/23/2020		231
3/9/2021		178

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/23/2016	168	
5/19/2016	173	
7/7/2016	144	
9/8/2016	179	
10/19/2016	209	
12/7/2016	156	
2/3/2017	276	
3/27/2017	295	
10/5/2017	192	
3/15/2018	169	
10/5/2018	210	
4/8/2019	191	
10/1/2019	203	
3/26/2020		193
9/23/2020		186
3/9/2021		216

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/23/2016	379	
5/17/2016	349	
7/6/2016	346	
9/7/2016	382	
10/18/2016	461	
12/8/2016	379	
2/1/2017	511	
3/23/2017	443	
10/4/2017	359	
3/16/2018	390	
10/4/2018	385	
4/9/2019	371	
10/1/2019	380	
3/31/2020		408
9/25/2020		367
3/9/2021		364



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/23/2016	310	
5/17/2016	280	
7/6/2016	280	
9/7/2016	324	
10/18/2016	307	
12/8/2016	281	
2/1/2017	354	
3/23/2017	302	
10/4/2017	365	
12/14/2017	406	
1/18/2018	404	
3/16/2018	317	
10/4/2018	371	
4/8/2019	353	
10/1/2019	348	
3/31/2020		349
9/25/2020		345
3/9/2021		298

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
3/23/2016	253	
5/18/2016	276	
7/6/2016	239	
9/7/2016	247	
10/18/2016	233	
12/8/2016	373	
2/2/2017	236	
3/24/2017	291	
10/4/2017	264	
3/15/2018	254	
10/4/2018	287	
4/8/2019	295	
10/1/2019	277	
3/30/2020		216
9/24/2020		254
3/9/2021		299

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
3/23/2016	239	
5/19/2016	236	
7/6/2016	218	
9/8/2016	225	
10/18/2016	200	
12/8/2016	196	
2/2/2017	231	
3/24/2017	250	
10/5/2017	309	
12/14/2017	322	
1/18/2018	322	
3/14/2018	263	
10/4/2018	292	
4/8/2019	438	
10/1/2019	305	
3/27/2020		329
9/24/2020		307
3/9/2021		308

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 4/1/2021 2:01 PM View: Appendix III

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/23/2016	204	
5/19/2016	215	
7/6/2016	204	
9/8/2016	201	
10/19/2016	272	
12/8/2016	227	
2/2/2017	209	
3/27/2017	305	
10/5/2017	204	
3/15/2018	280	
10/5/2018	236	
4/8/2019	264	
10/1/2019	237	
3/27/2020		192
9/24/2020		179
3/9/2021		209

FIGURE H.

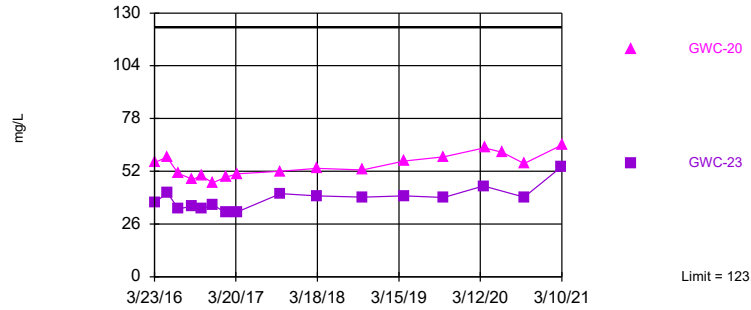
# Federal Interwell Prediction Limits - All Results (No Significant)

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/5/2021, 10:15 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-20	123	n/a	3/10/2021	64.9	No	80	n/a	n/a	2.5	n/a	n/a	0.0002963	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	123	n/a	3/9/2021	54.3	No	80	n/a	n/a	2.5	n/a	n/a	0.0002963	NP Inter (normality) 1 of 2
Sulfate (mg/L)	GWC-20	302.3	n/a	3/10/2021	64.7	No	80	n/a	n/a	0	n/a	n/a	0.0002963	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit  
Interwell Non-parametric

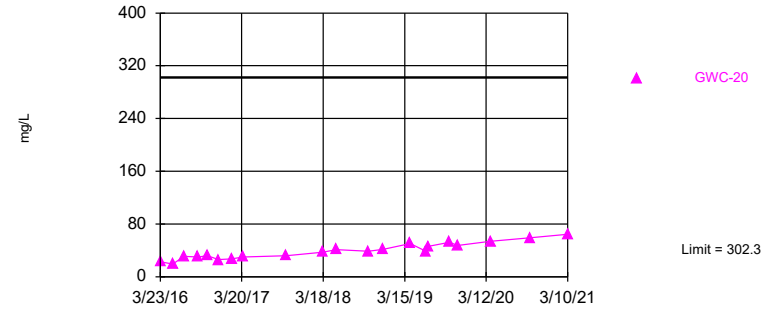


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 80 background values. 2.5% NDs. Annual per-constituent alpha = 0.007087. Individual comparison alpha = 0.0002963 (1 of 2). Comparing 2 points to limit. Assumes 10 future values.

Constituent: Calcium Analysis Run 4/5/2021 10:14 AM View: Appendix III - Interwell  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 80 background values. Annual per-constituent alpha = 0.007087. Individual comparison alpha = 0.0002963 (1 of 2). Assumes 11 future values.

Constituent: Sulfate Analysis Run 4/5/2021 10:14 AM View: Appendix III - Interwell  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill





# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 4/5/2021 10:15 AM View: Appendix III - Interwell

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-4 (bg)	GWA-3 (bg)	GWA-2 (bg)	GWA-11 (bg)	GWC-20
3/22/2016	4.4409	302.2975	107.476	13.0789	11.6823	
3/23/2016						22.9683
5/17/2016	4.43	213	106	15.3	11.4	
5/18/2016						19.2
7/5/2016	4.6		110	15		
7/6/2016		280			12	
7/7/2016						31
9/7/2016	4.8	160	83	16	13	
9/8/2016						30
10/18/2016	4.7	120	110	16	13	
10/19/2016						32
12/6/2016	4.7	210	220		12	
12/7/2016				15		26
1/31/2017	5.1			13		
2/1/2017		200	190		13	
2/3/2017						27
3/23/2017	4.7		160	12		
3/24/2017		140			12	
3/27/2017						30
10/4/2017	5	140	140	12		
10/5/2017					13	32
3/14/2018	5.1			13.9		
3/15/2018		167	119		12.2	
3/16/2018						37.5
5/15/2018						41
10/4/2018	5.2	209	117	17.4	15.6	
10/5/2018						38.9
12/11/2018						41.8
4/5/2019			131			
4/8/2019	4.6	248		18.1	13.2	
4/9/2019						50.3
6/18/2019						38.7
6/27/2019						46
9/30/2019	4.9	117	118	17.5	11.5	
10/1/2019						52.3
11/6/2019						47.3
3/26/2020	5	128	95.8	15.6	10.8	
3/31/2020						53.6
9/21/2020				18.2		
9/22/2020					9.8	
9/23/2020	6.6	123	95.6			58.9
3/8/2021	4.6	152	99.5		11.5	
3/9/2021				16.8		
3/10/2021						64.7

FIGURE I.

# Federal Trend Tests - Prediction Limit Exceedances - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/5/2021, 10:20 AM

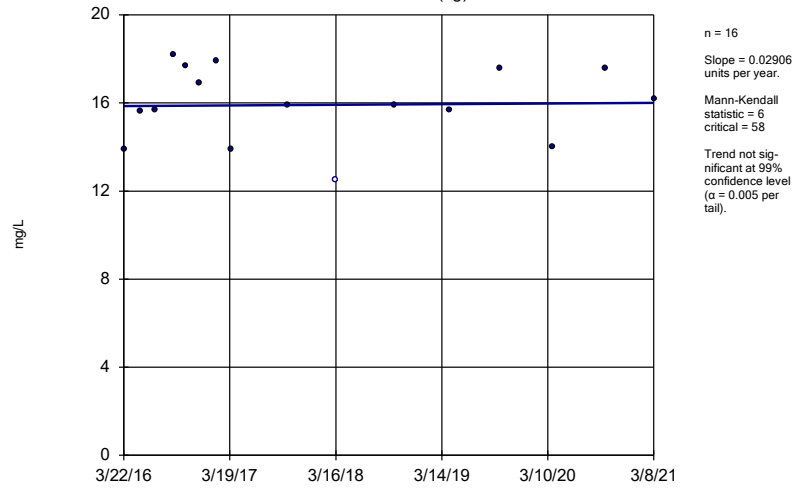
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWC-20	2.583	66	63	Yes	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-20	7.658	172	87	Yes	21	0	n/a	n/a	0.01	NP

# Federal Trend Tests - Prediction Limit Exceedances - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 4/5/2021, 10:21 AM

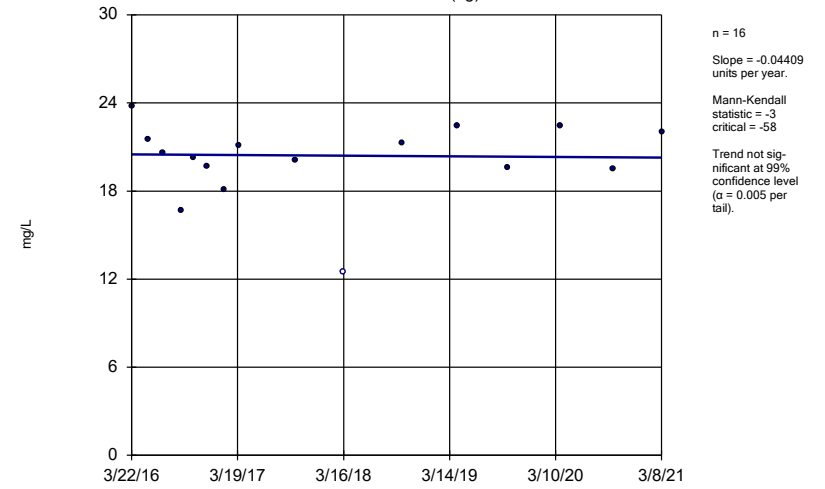
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Calcium (mg/L)	GWA-1 (bg)	0.02906	6	58	No	16	6.25	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-11 (bg)	-0.04409	-3	-58	No	16	6.25	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-2 (bg)	0.6357	16	58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-3 (bg)	-0.09493	-2	-58	No	16	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-4 (bg)	-3.43	-36	-58	No	16	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>GWC-20</b>	<b>2.583</b>	<b>66</b>	<b>63</b>	<b>Yes</b>	<b>17</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	GWC-23	1.954	37	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-1 (bg)	0.1633	48	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-11 (bg)	-0.01836	-10	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-2 (bg)	0.6594	39	58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-3 (bg)	-2.39	-13	-58	No	16	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-4 (bg)	-18.44	-47	-58	No	16	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWC-20</b>	<b>7.658</b>	<b>172</b>	<b>87</b>	<b>Yes</b>	<b>21</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

Sen's Slope Estimator  
GWA-1 (bg)



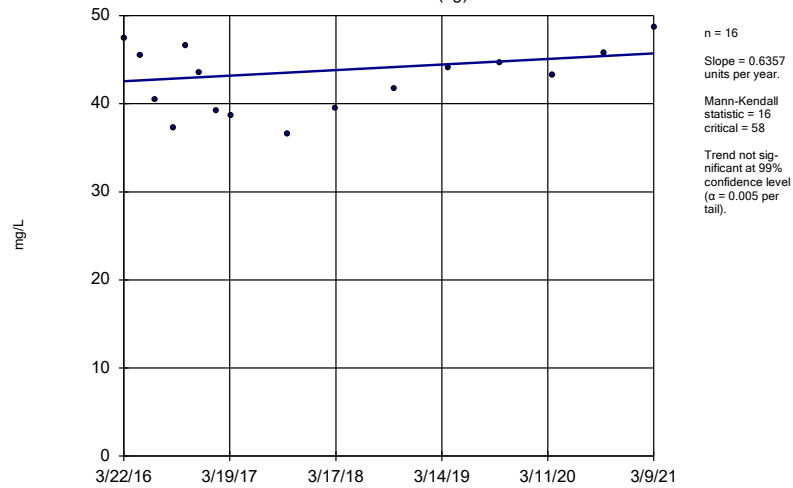
Constituent: Calcium Analysis Run 4/5/2021 10:15 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-11 (bg)



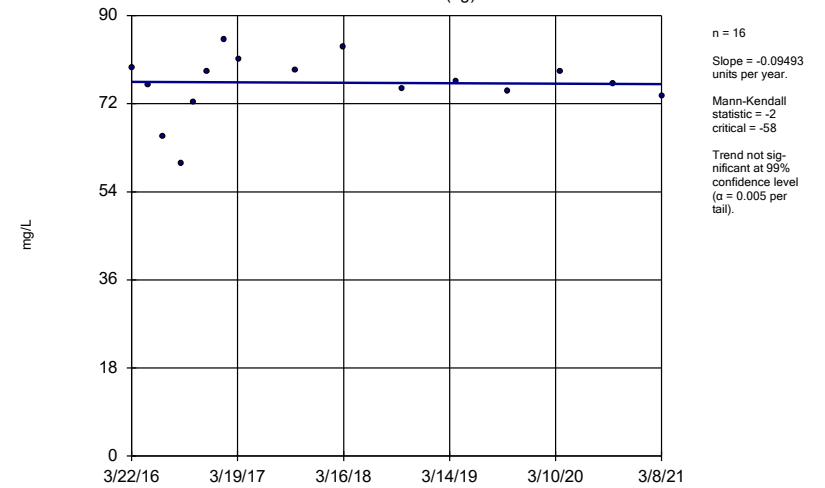
Constituent: Calcium Analysis Run 4/5/2021 10:15 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-2 (bg)



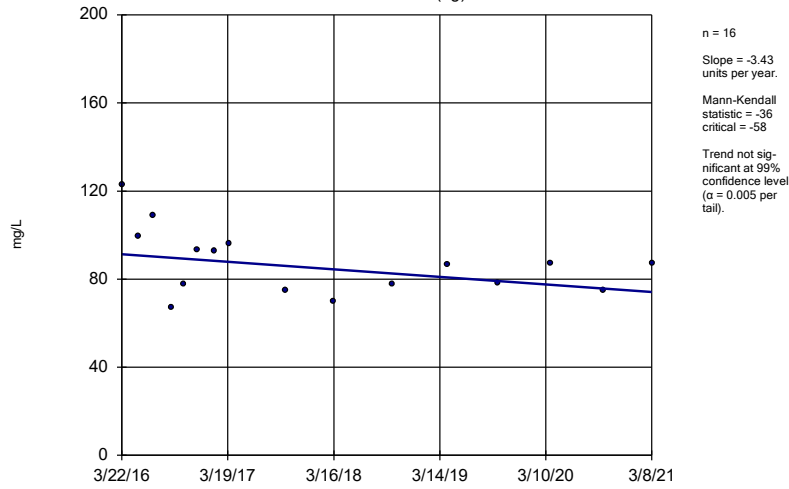
Constituent: Calcium Analysis Run 4/5/2021 10:15 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-3 (bg)



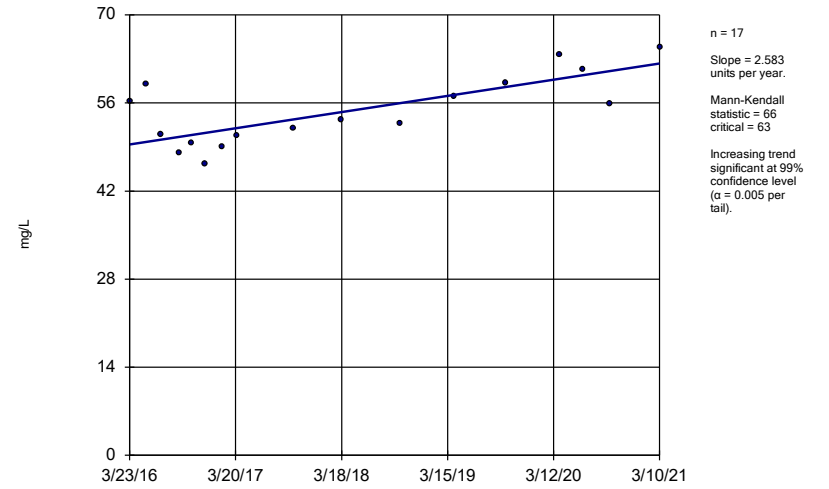
Constituent: Calcium Analysis Run 4/5/2021 10:15 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-4 (bg)



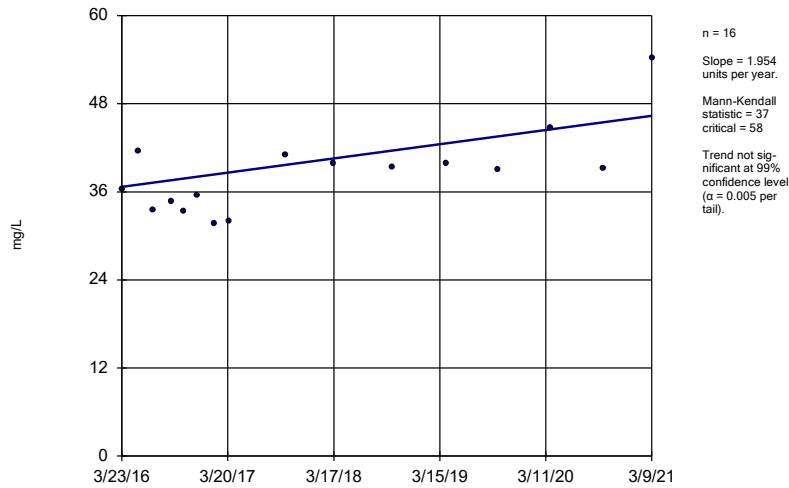
Constituent: Calcium Analysis Run 4/5/2021 10:15 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWC-20



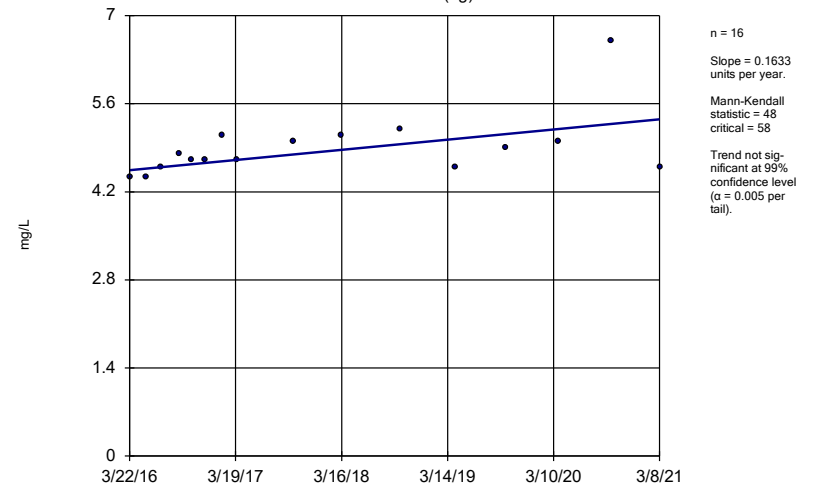
Constituent: Calcium Analysis Run 4/5/2021 10:15 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWC-23



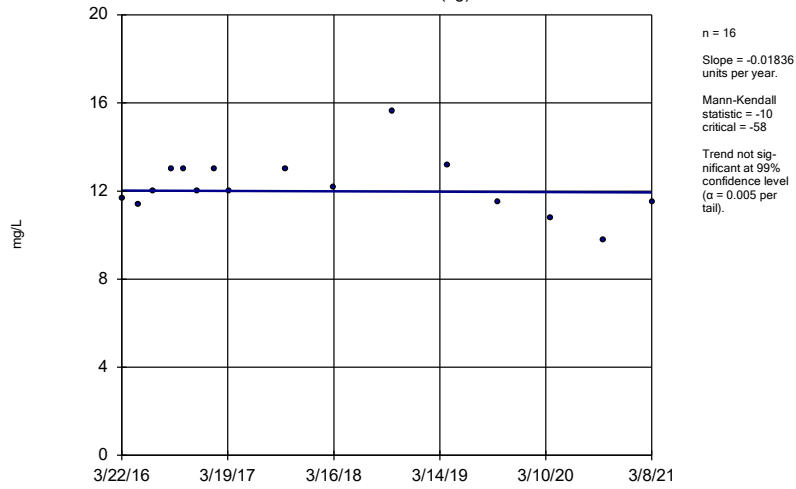
Constituent: Calcium Analysis Run 4/5/2021 10:15 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-1 (bg)



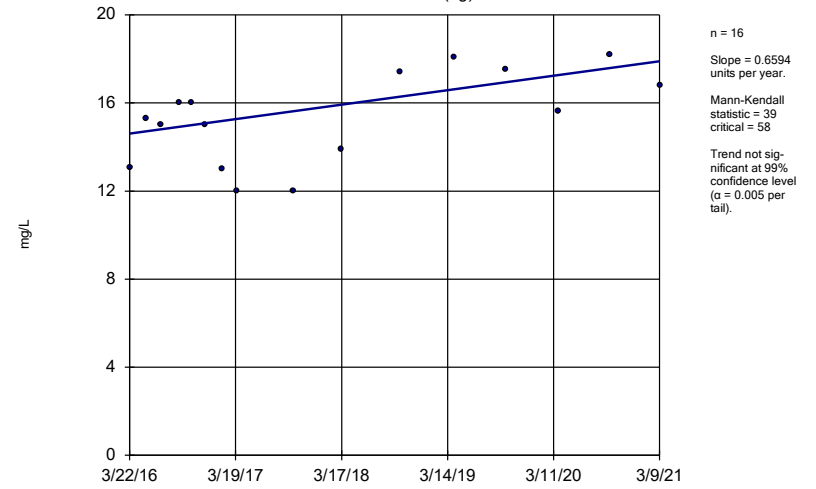
Constituent: Sulfate Analysis Run 4/5/2021 10:15 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-11 (bg)



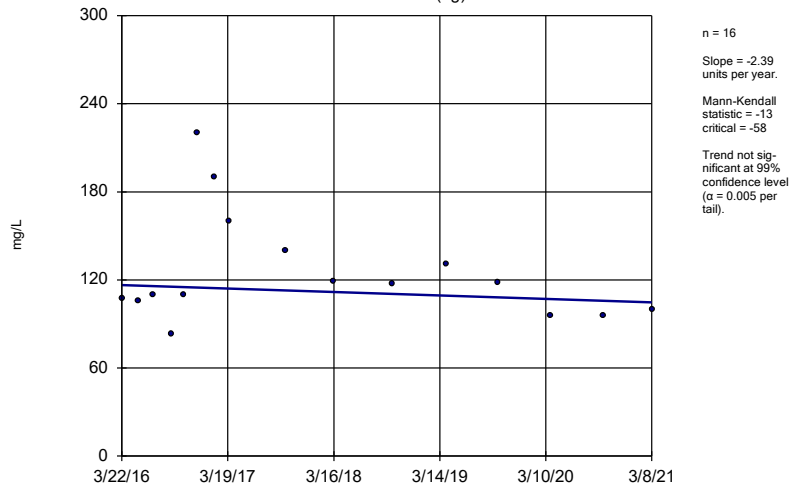
Constituent: Sulfate Analysis Run 4/5/2021 10:15 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-2 (bg)



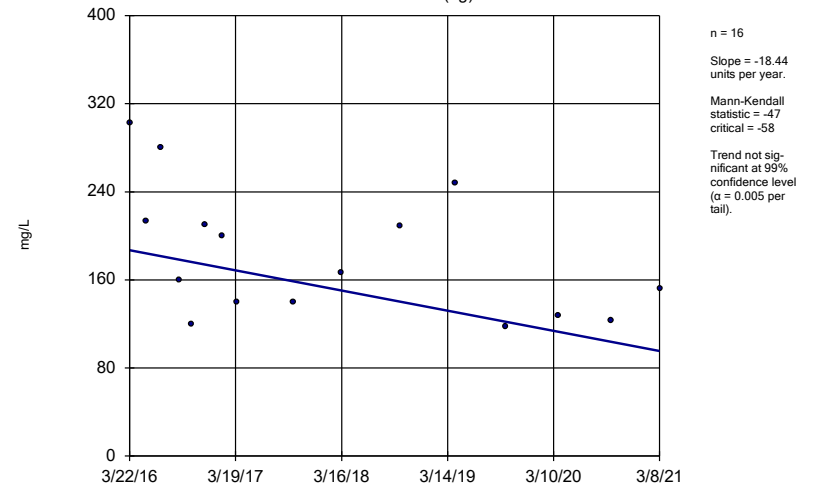
Constituent: Sulfate Analysis Run 4/5/2021 10:15 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-3 (bg)



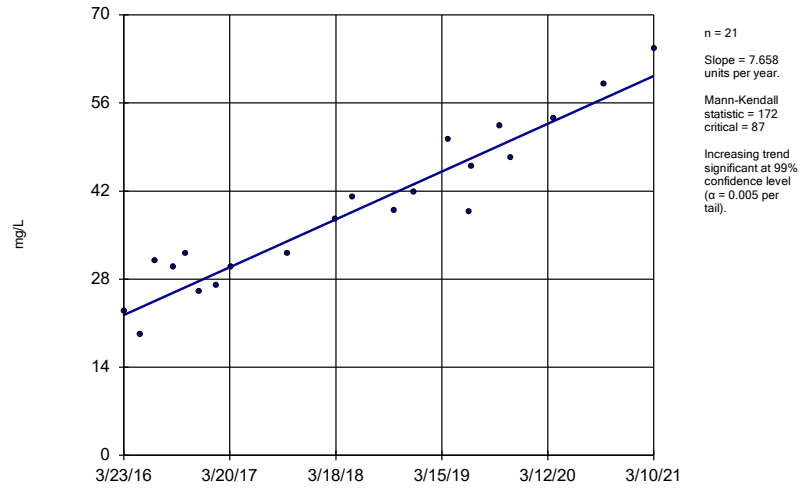
Constituent: Sulfate Analysis Run 4/5/2021 10:16 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-4 (bg)



Constituent: Sulfate Analysis Run 4/5/2021 10:16 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWC-20

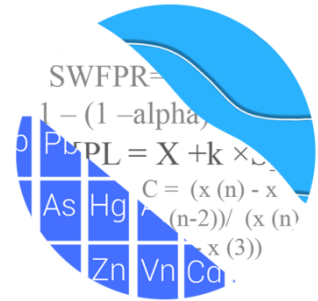


Constituent: Sulfate Analysis Run 4/5/2021 10:16 AM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



# August 2021 Semiannual Event

# GROUNDWATER STATS CONSULTING



January 31, 2022

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

Re: Plant Hammond's Huffaker Road Landfill  
Statistical Analysis – August 2021

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the August 2021 Semi-Annual Groundwater Detection Monitoring statistical analysis of groundwater data for Georgia Power Company's Plant Hammond's Huffaker Road Landfill. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began for the Georgia EPD parameters in 2007 and for the CCR program in 2016. At least 8 background samples have been collected at each of the groundwater monitoring wells. Semi-annual sampling for select constituents has been performed for several years in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations; and all available data are screened in this report.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient:** GWA-1, GWA-11, GWA-2, GWA-3, and GWA-4
- **Downgradient:** GWC-10, GWC-18, GWC-19, GWC-20, GWC-21, GWC-22, GWC-23, GWC-5, GWC-6, GWC-7, GWC-8, and GWC-9

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance. The analysis was reviewed by Kristina Rayner, Groundwater Statistician and Founder of Groundwater Stats Consulting.

The following constituents were evaluated:

- **Georgia EPD Appendix I** – antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, thallium, vanadium and zinc
- **CCR Appendix III** – boron, calcium, chloride, fluoride, pH, sulfate, and TDS

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of well/constituent pairs with 100% non-detects follows this letter. Note that no Appendix III well/constituent pairs contained 100% non-detects.

A substitution of the most recent reporting limit is used for non-detect data. Reporting limits often decrease over time due to improved laboratory practices, which sometimes results in more conservative statistical limits compared to the previous statistical analysis. Such changes in reporting limits have occurred for beryllium, cadmium, chromium, cobalt, copper, fluoride, lead, nickel, selenium, silver, and zinc, and prediction limits for these constituents have decreased over time at some of the wells.

The most recent reporting limit is substituted on a well-by-well basis for computing intrawell prediction limits. Therefore, individual wells can have different substitutions for a given parameter depending on what the laboratory has reported for each well. On the time series plots, however, a single reporting limit substitution is used across all wells for a given parameter since the wells are plotted as a group.

Time series plots for all well/constituent pairs are provided and are particularly useful for screening parameters detected in downgradient wells which require statistical analyses (Figure A). Additionally, a separate section of box plots is included for all constituents at upgradient and downgradient wells (Figure B). The time series plots are used to initially screen for suspected outliers and trends, while the box plots provide visual representation of variation within individual wells and between all wells. Values in background which have been flagged as outliers may be seen in a lighter font and as a disconnected symbol on the graphs. A summary of flagged outliers follows this report (Figure C).

In earlier analyses, data at all wells for constituents detected in downgradient wells were evaluated for the following: 1) outliers; 2) trends; 3) most appropriate statistical method based on site characteristics of groundwater data upgradient of the facility; and 4) eligibility of downgradient wells when intrawell statistical methods are recommended. Power curves were provided in the previous background update to demonstrate that the selected statistical methods for the parameters listed above comply with the USEPA Unified Guidance and the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. During the initial background screening of the Appendix III parameters, the 1-of-2 resample plan did not provide sufficient power; therefore, a 1-of-3 resample plan was initially recommended due to the limited background sample sizes in each of the wells at that time.

During the March 2020 background update for the Appendix III parameters, however, the background sample sizes increased in each of the wells, and power curves were provided to demonstrate that the 1-of-2 resample plan provides sufficient power to meet the EPA recommendation mentioned above. Power curves were based on the following:

**Georgia EPD Appendix I Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (all Appendix I parameters)
- # Constituents: 15
- # Downgradient wells: 12

**CCR Appendix III Constituents:**

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (all Appendix III parameters)
- # Constituents: 7
- # Downgradient wells: 12

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual event) as recommended by the EPA Unified Guidance (2009), the false positive rate associated with the nonparametric limits is dependent upon the available background sample size, number of future comparisons, and verification resample plan. The distribution of data is tested using the Shapiro-Wilk/Shapiro-Francia test for normality.

After testing for normality and performing any adjustments as discussed below (US EPA, 2009), data are analyzed using either parametric or non-parametric prediction limits.

- No statistical analyses are required on wells and analytes containing 100% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

### Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of interwell statistical evaluation may be used to determine whether the measurement

exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine “background” (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural variation rather than a result of impact to groundwater quality downgradient of the facility.

## **Georgia EPD Appendix I Background Screening Summary – Conducted in August 2019**

### Outlier and Trend Testing

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers for all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. When the most recent values were identified as outliers, values were not flagged in the database (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits for many constituents, when the non-detects were replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) required flagging as outliers because they were much higher than current reporting limits.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported non-detects. In some cases, values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. These values are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged values in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data. A summary of all flagged values is included in Figure C.

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations, and earlier data will be deselected as necessary. Several statistically significant decreasing trends were noted, as well as a few statistically significant increasing trends for barium. The magnitudes of most of these trends were low relative to the average concentrations and, therefore, required no adjustments to the record.

However, background adjustments were made for barium in wells GWA-2, GWC-19, GWC-22, GWC-6, GWC-7, and GWC-9; and cobalt, nickel, and zinc in well GWC-7. Earlier data for each of these well/constituent pairs were deselected to reduce variation and utilize samples that were more representative of current groundwater concentrations. For those cases with increasing trends in barium, the assumption is that the increase is a result of natural variation and not the result of the facility. Under that assumption, the more recent data would represent unimpacted conditions. Thorough evaluation of that assumption requires a separate geochemical investigation that is beyond the scope of services provided by Groundwater Stats Consulting. However, increasing barium concentrations were noted in both upgradient and downgradient wells, suggesting that the groundwater quality is changing due to natural spatial variation. The trends for cobalt, nickel and zinc are decreasing, and using only the more recent data results in more conservative prediction limits. Complete trend analysis results were presented with the August 2019 screening report. A date range summary table is provided with this report to show the adjusted date ranges used in construction of the statistical limits.

### Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intra-well tests, which compare compliance data from a single well to



screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified statistically significant variation among upgradient well data for: arsenic, barium, cobalt, and nickel. The ANOVA did not identify variation for antimony, beryllium, cadmium, chromium, copper, lead, selenium, and zinc. The ANOVA could not test the following constituents because the data had no variation among the upgradient wells: silver, thallium, and vanadium.

Where significant spatial variation is not identified, this suggests that interwell analysis would be the most appropriate statistical method for these constituents. However, because this is a lined landfill with pre-waste data showing that metals occur naturally in low level detections, intrawell methods are recommended as the primary statistical method for all detected well/constituent pairs. Intrawell methods are generally based on an assumption of no existing impacts of the facility in background data. While the assumption is supported by pre-waste data, thorough evaluation of that assumption requires a separate geochemical investigation, especially for the cases of increasing trends in concentration following waste placement. That study is beyond the scope of services provided by Groundwater Stats Consulting.

### **CCR Appendix III Background Update Summary – Conducted in March 2020**

Prior to updating background data, Tukey's outlier test and visual screening were used to evaluate Appendix III data from both upgradient and downgradient wells through November 2019. Tukey's test noted potential outliers in downgradient wells for all parameters, but not all of these values were flagged as some appeared to be representative of natural variation. Any flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. A summary of flagged outliers follows this letter (Figure C).

For constituents requiring intrawell prediction limits (all constituents in this instance), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through March 2017 to the new compliance samples at each well through November 2019. If the medians of the two groups are not significantly different at the 99% confidence level, background data are typically updated to include the newer compliance data. Statistically significant differences were found between the two groups for the following well/constituent pairs: boron in downgradient wells GWC-19 and GWC-7; chloride in downgradient well GWC-8; pH in downgradient wells GWC-20 and GWC-22;

sulfate in downgradient well GWC-20; and TDS in downgradient wells GWC-6 and GWC-8.

Although not statistically significant at the 99% confidence level, the increase in median concentrations between background and compliance data for boron at GWC-8 was significant at the 98% confidence level. This case is discussed below.

Typically, when the test concludes that the medians of the two groups are significantly different, particularly in the downgradient wells, the background data are not updated to include the newer data unless it can be reasonably justified that the change in concentrations reflects a naturally occurring shift unrelated to practices at the site. In studies in which at least one of the segments being compared is of short duration, the comparison is complicated by the fact that normal short-term variation may be mistaken for long-term change in medians. In this analysis, all but one of the cases with statistically significant Mann-Whitney results were updated. The individual cases are discussed below.

Boron in wells GWC-19 and GWC-7 trended over time toward more stable concentrations at slightly lower levels. Boron at GWC-8 had higher values recently, but the higher concentrations were similar to those in upgradient wells. The measured pH in downgradient wells GWC-20 and GWC-22 stabilized at slightly lower levels, closer to a neutral pH of 7.

Chloride in GWC-8 and TDS in both GWC-6 and GWC-8 showed moderate increases in median concentrations due to a short-term spike with the most recent concentrations similar to those in one or more background wells. The only case that was not updated at the time of the update was sulfate at well GWC-20, which has a marked and steadily increasing trend that was not present in the upgradient wells. However, it was later determined through an alternate source demonstration that this trend is either short-term or not the result of the facility, and this record was appropriately updated. Since the update, the upward trend in sulfate has continued and will continue to be evaluated. Concentrations remain below those in upgradient wells. A list of well/constituent pairs that use a truncated portion of their record also follows this report in the date range table mentioned above.

### **Evaluation of Georgia EPD Appendix I Constituents – August 2021**

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its

respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data for each well through December 2018, except for the cases mentioned above and listed in the Date Range Table. The August 2021 compliance data were compared to these intrawell background limits. No statistical analyses were included for well/constituent pairs with 100% non-detects.

A summary of the Georgia EPD intrawell prediction limits follows this report (Figure D). Exceedances were noted for the following downgradient well/constituent pairs:

- Barium: GWC-8, GWC-18, GWC-20, and GWC-23
- Nickel: GWC-8

While the Sanitas software identified statistical exceedances for barium in downgradient wells GWC-20 and GWC-23, it is due to a rounding of significant figures with reported August 2021 measurements of 0.14 mg/L at well GWC-20 and 0.08464 mg/L at well GWC-23 when compared to their respective prediction limits of 0.1358 mg/L and 0.085 mg/L. Interwell prediction limits were then constructed for barium and nickel using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedances (Figure E). The reported measurements of barium and nickel in well GWC-8 exceeded the respective the interwell prediction limits.

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are included in the trend analyses to identify whether increasing or decreasing patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site. While no trend was identified for barium in downgradient well GWC-8, an increasing trend was noted for barium in downgradient well GWC-23. Both

increasing and decreasing trends were noted for barium in upgradient wells which suggest natural variability is present in groundwater quality unrelated to practices at the site. A summary of the trend test results follows this letter (Figure F). Statistically significant trends were noted for the following well/constituent pairs:

Increasing trends:

- Barium: GWA-2 (upgradient), GWC-18, GWC-20, and GWC-23

Decreasing trends:

- Barium: GWA-3 (upgradient) and GWA-4 (upgradient)
- Nickel: GWA-4 (upgradient) and GWA-11 (upgradient)

### **Evaluation of CCR Appendix III Parameters – August 2021**

For all CCR Appendix III parameters, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through November 2019. The most recent sample from each downgradient well is compared to the background limit to determine whether there are exceedances over background. A summary of the Appendix III prediction limits follows this report (Figure G). Exceedances were noted for the following downgradient well/constituent pairs:

- Boron: GWC-8
- Calcium: GWC-8, GWC-18, and GWC-23
- pH: GWC-8
- Sulfate: GWA-2 (upgradient) and GWC-20

When interwell prediction limits were constructed for the apparent intrawell prediction limit exceedances in downgradient wells, no exceedances were noted. Therefore, the initial statistical exceedances are considered false positive results and no further action is required. Data that exceeded intrawell background limits are further evaluated using trend tests as discussed below.

Data from downgradient well/constituent pairs found to exceed their respective intrawell prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test using a 99% confidence level, along with upgradient wells for the same constituents. A summary of the trend test results follows this letter (Figure I). Statistically significant increasing trends were identified for the following well/constituent pairs:

- Boron: GWC-8
- Calcium: GWC-8
- pH: GWC-8
- Sulfate: GWC-20

When similar patterns or concentrations occur both upgradient and downgradient of the facility for a given constituent, it suggests the changes in groundwater quality are naturally occurring and are unrelated to practices at the site. Although boron concentrations at downgradient well GWC-8 and sulfate concentrations at downgradient well GWC-20 are higher than those reported at upgradient well GWA-1, they remain lower than reported concentrations in upgradient wells GWA-3 and GWA-4.

### **Resample Reports – September 2021**

Additional data were collected in September 2021 for initial intrawell exceedances of barium, nickel, and pH in downgradient well GWC-8. Intrawell prediction limits were constructed using background data through December 2018 for barium and nickel and through November 2019 for pH, to compare the September 2021 samples (Figures J and K, respectively). An exceedance was identified for barium in downgradient well GWC-8. No exceedances were noted for nickel and pH in downgradient well GWC-8.

In accordance with the two-step approach, interwell prediction limits were constructed to evaluate the apparent exceedance for barium in downgradient well GWC-8. The reported measurements of barium did not exceed the interwell prediction limit (Figure L).

The Sen's Slope/Mann Kendall trend test was used to further evaluate barium at well GWC-8 (Figure M). No statistically significant trend was identified when the entire record was evaluated. It was noted, however, that higher concentrations have been reported since November 2018 compared to those reported historically.

Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Hammond's Huffaker Road Landfill. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,



Andrew T. Collins  
Project Manager



Kristina L. Rayner  
Groundwater Statistician

# 100% Non-Detects: Appendix I

Analysis Run 9/2/2021 12:59 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Antimony (mg/L)

GWC-20, GWC-21, GWC-22, GWC-23

Arsenic (mg/L)

GWA-1, GWA-2, GWC-10, GWC-19, GWC-20, GWC-22, GWC-6

Beryllium (mg/L)

GWA-1, GWA-11, GWA-2, GWA-4, GWC-10, GWC-18, GWC-20, GWC-21, GWC-22, GWC-23, GWC-5, GWC-6, GWC-8, GWC-9

Cadmium (mg/L)

GWA-1, GWA-11, GWA-2, GWA-3, GWC-19, GWC-22, GWC-6

Cobalt (mg/L)

GWC-18, GWC-19, GWC-20, GWC-22

Copper (mg/L)

GWA-1

Lead (mg/L)

GWA-1, GWA-2, GWA-4, GWC-9

Selenium (mg/L)

GWA-1, GWA-11, GWA-2, GWA-3, GWC-18, GWC-19, GWC-20, GWC-23, GWC-5, GWC-6, GWC-7, GWC-8

Silver (mg/L)

GWA-1, GWA-11, GWA-2, GWA-3, GWA-4, GWC-10, GWC-18, GWC-19, GWC-20, GWC-22, GWC-23, GWC-5, GWC-6, GWC-7, GWC-8, GWC-9

Thallium (mg/L)

GWA-1, GWA-11, GWA-2, GWA-3, GWA-4, GWC-10, GWC-18, GWC-19, GWC-20, GWC-21, GWC-22, GWC-23, GWC-5, GWC-6, GWC-8, GWC-9

Vanadium (mg/L)

GWA-11, GWA-2, GWA-3, GWA-4, GWC-10, GWC-18, GWC-19, GWC-20, GWC-22, GWC-6, GWC-8

# Date Ranges

Date: 9/7/2021 9:10 AM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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Barium (mg/L)

- GWA-2 background:4/13/2010-10/4/2018
- GWC-19 background:4/13/2010-10/4/2018
- GWC-22 background:4/13/2010-10/4/2018
- GWC-6 background:3/23/2016-10/4/2018
- GWC-7 background:4/3/2012-10/4/2018
- GWC-9 background:10/4/2011-10/5/2018

Cobalt (mg/L)

- GWC-7 background:3/12/2013-10/4/2018

Nickel (mg/L)

- GWC-7 background:3/12/2013-10/4/2018

Zinc (mg/L)

- GWC-7 background:3/12/2013-10/4/2018

# Appendix I Intrawell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-18	0.08974	n/a	8/10/2021	0.093	Yes	32	0.07311	0.006987	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-20	0.1358	n/a	8/10/2021	0.14	Yes	31	0.001502	0.0004195	0	None	x^3	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-23	0.08464	n/a	8/10/2021	0.085	Yes	32	0.06272	0.009212	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-8	0.1227	n/a	8/10/2021	0.23	Yes	31	0.316	0.01439	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.005	n/a	8/10/2021	0.0073	Yes	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2



# Appendix I Intrawell Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 9/2/2021, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.003	n/a	8/9/2021	0.003ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-11	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-2	0.003	n/a	8/9/2021	0.0023J	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-3	0.003	n/a	8/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4	0.003	n/a	8/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-19	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-5	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-7	0.003	n/a	8/10/2021	0.003ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8	0.003	n/a	8/10/2021	0.003ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-11	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4	0.0065	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21	0.005	n/a	8/10/2021	0.005ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7	0.0088	n/a	8/10/2021	0.0072	No	30	n/a	n/a	46.67	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-8	0.005	n/a	8/10/2021	0.005	No	31	n/a	n/a	87.1	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.05021	n/a	8/9/2021	0.046	No	32	0.03919	0.00463	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-11	0.04217	n/a	8/10/2021	0.03	No	32	-3.4	0.09826	0	None	ln(x)	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.1987	n/a	8/9/2021	0.19	No	23	0.1657	0.01314	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-3	0.2268	n/a	8/9/2021	0.12	No	32	0.1719	0.02304	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-4	0.14	n/a	8/9/2021	0.034	No	32	n/a	n/a	0	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-10	0.1952	n/a	8/10/2021	0.14	No	34	0.1271	0.02885	0	None	No	0.0002926	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-18</b>	<b>0.08974</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.093</b>	<b>Yes</b>	<b>32</b>	<b>0.07311</b>	<b>0.006987</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-19	0.1697	n/a	8/10/2021	0.14	No	23	0.0003879	0.000176	0	None	x^4	0.0002926	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-20</b>	<b>0.1358</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.14</b>	<b>Yes</b>	<b>31</b>	<b>0.001502</b>	<b>0.0004195</b>	<b>0</b>	<b>None</b>	<b>x^3</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-21	0.2404	n/a	8/10/2021	0.057	No	30	-2.722	0.5402	0	None	ln(x)	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-22	0.121	n/a	8/10/2021	0.091	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-23</b>	<b>0.08464</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.085</b>	<b>Yes</b>	<b>32</b>	<b>0.06272</b>	<b>0.009212</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-5	0.1274	n/a	8/10/2021	0.077	No	32	0.1019	0.01074	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.1978	n/a	8/10/2021	0.18	No	11	0.1654	0.01034	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-7	0.4063	n/a	8/10/2021	0.14	No	19	0.3226	0.1206	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-8</b>	<b>0.1227</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.23</b>	<b>Yes</b>	<b>31</b>	<b>0.316</b>	<b>0.01439</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-9	0.07338	n/a	8/10/2021	0.067	No	20	0.06193	0.00445	0	None	No	0.0002926	Param Intra 1 of 2
Beryllium (mg/L)	GWA-3	0.0005	n/a	8/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19	0.0005	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-7	0.093	n/a	8/10/2021	0.000061J	No	30	n/a	n/a	23.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Cadmium (mg/L)	GWA-4	0.0005	n/a	8/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10	0.0005	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0005	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-20	0.0005	n/a	8/10/2021	0.0005ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21	0.0005	n/a	8/10/2021	0.0005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-23	0.0005	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-5	0.0015	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-7	0.0035	n/a	8/10/2021	0.0005ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8	0.0005	n/a	8/10/2021	0.0005ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-9	0.0005	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.016	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-11	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWA-3	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-4	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20	0.0064	n/a	8/10/2021	0.005ND	No	31	n/a	n/a	90.32	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21	0.005	n/a	8/10/2021	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-5	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-7	0.005	n/a	8/10/2021	0.005ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-8	0.005	n/a	8/10/2021	0.005ND	No	31	n/a	n/a	90.32	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-11	0.01	n/a	8/10/2021	0.00047J	No	32	n/a	n/a	62.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-3	0.005	n/a	8/9/2021	0.00042J	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-10	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21	0.01	n/a	8/10/2021	0.0041J	No	30	n/a	n/a	63.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-23	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-5	0.005	n/a	8/10/2021	0.00098J	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-6	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-7	0.08032	n/a	8/10/2021	0.013	No	17	0.03376	0.01735	0	None	No	0.0002926	Param Intra 1 of 2
Cobalt (mg/L)	GWC-8	0.01	n/a	8/10/2021	0.004J	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-9	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-11	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.005	n/a	8/9/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-3	0.005	n/a	8/9/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-4	0.0066	n/a	8/9/2021	0.00051J	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-10	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.005	n/a	8/10/2021	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21	0.005	n/a	8/10/2021	0.005ND	No	25	n/a	n/a	76	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23	0.0084	n/a	8/10/2021	0.00078J	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-5	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.016	n/a	8/10/2021	0.005ND	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8	0.005	n/a	8/10/2021	0.005ND	No	26	n/a	n/a	100	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.005	n/a	8/10/2021	0.0018J	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-11	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-3	0.001	n/a	8/9/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-20	0.001	n/a	8/10/2021	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21	0.001	n/a	8/10/2021	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-5	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-7	0.0016	n/a	8/10/2021	0.001ND	No	31	n/a	n/a	83.87	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8	0.001	n/a	8/10/2021	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-1	0.005	n/a	8/9/2021	0.005ND	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-11	0.01	n/a	8/10/2021	0.0017J	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.005	n/a	8/9/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-3	0.005	n/a	8/9/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4	0.0055	n/a	8/9/2021	0.001J	No	27	n/a	n/a	59.26	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0062	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.005	n/a	8/10/2021	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21	0.01035	n/a	8/10/2021	0.0076	No	26	0.1566	0.02496	23.08	Kaplan-Meier	x^(1/3)	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-22	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23	0.005	n/a	8/10/2021	0.0008J	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.005	n/a	8/10/2021	0.00085J	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.3321	n/a	8/10/2021	0.057	No	12	0.133	0.06625	0	None	No	0.0002926	Param Intra 1 of 2
<b>Nickel (mg/L)</b>	<b>GWC-8</b>	<b>0.005</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.0073</b>	<b>Yes</b>	<b>26</b>	<b>n/a</b>	<b>n/a</b>	<b>96.15</b>	<b>n/a</b>	<b>n/a</b>	<b>0.002667</b>	<b>NP Intra (NDs) 1 of 2</b>
Nickel (mg/L)	GWC-9	0.01	n/a	8/10/2021	0.0019J	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-4	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-10	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.005	n/a	8/10/2021	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-22	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-21	0.005	n/a	8/10/2021	0.005ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-7	0.001	n/a	8/10/2021	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21	0.01	n/a	8/10/2021	0.01ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-7	0.01	n/a	8/10/2021	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.01	n/a	8/9/2021	0.01ND	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-11	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-2	0.01	n/a	8/9/2021	0.01ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-3	0.01	n/a	8/9/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-4	0.01	n/a	8/9/2021	0.01ND	No	27	n/a	n/a	33.33	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-10	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.013	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	59.26	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.01	n/a	8/10/2021	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-21	0.01212	n/a	8/10/2021	0.01ND	No	25	0.0747	0.01433	12	None	sqrt(x)	0.0002926	Param Intra 1 of 2
Zinc (mg/L)	GWC-22	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-23	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.6123	n/a	8/10/2021	0.093	No	12	0.2426	0.123	0	None	No	0.0002926	Param Intra 1 of 2
Zinc (mg/L)	GWC-8	0.01	n/a	8/10/2021	0.01ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-9	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2

# Appendix I Interwell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:04 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-8	0.21	n/a	8/10/2021	0.23	Yes	190	n/a	n/a	0	n/a	n/a	0.0000548	NP Inter (normality) 1 of 2
Nickel (mg/L)	GWC-8	0.0055	n/a	8/10/2021	0.0073	Yes	165	n/a	n/a	73.94	n/a	n/a	0.00007239	NP Inter (NDs) 1 of 2

# Appendix I Interwell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:04 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-18	0.21	n/a	8/10/2021	0.093	No	190	n/a	n/a	0	n/a	n/a	0.0000548	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-20	0.21	n/a	8/10/2021	0.14	No	190	n/a	n/a	0	n/a	n/a	0.0000548	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-23	0.21	n/a	8/10/2021	0.085	No	190	n/a	n/a	0	n/a	n/a	0.0000548	NP Inter (normality) 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-8</b>	<b>0.21</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.23</b>	<b>Yes</b>	<b>190</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0000548</b>	<b>NP Inter (normality) 1 of 2</b>
Nickel (mg/L)	GWC-8	0.0055	n/a	8/10/2021	0.0073	Yes	165	n/a	n/a	73.94	n/a	n/a	0.00007239	NP Inter (NDs) 1 of 2

# Appendix I Trend Tests - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:06 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-2 (bg)	0.003862	394	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	-0.004996	-430	-206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	-0.002734	-261	-206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-18	0.001018	323	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-20	0.002248	397	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-23	0.001365	258	206	Yes	38	0	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-11 (bg)	-0.0006231	-292	-167	Yes	33	54.55	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-4 (bg)	-0.0002785	-265	-167	Yes	33	51.52	n/a	n/a	0.01	NP

# Appendix I Trend Tests - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:06 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	0	-5	-206	No	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-11 (bg)	-0.0001807	-166	-206	No	38	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>0.003862</b>	<b>394</b>	<b>206</b>	<b>Yes</b>	<b>38</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWA-3 (bg)	-0.004996	-430	-206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	-0.002734	-261	-206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-18	0.001018	323	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-20	0.002248	397	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-23	0.001365	258	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-8	0.001151	148	206	No	38	0	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-1 (bg)	0	-129	-167	No	33	78.79	n/a	n/a	0.01	NP
<b>Nickel (mg/L)</b>	<b>GWA-11 (bg)</b>	<b>-0.0006231</b>	<b>-292</b>	<b>-167</b>	<b>Yes</b>	<b>33</b>	<b>54.55</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel (mg/L)	GWA-2 (bg)	0	-2	-167	No	33	96.97	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3 (bg)	0	-66	-167	No	33	87.88	n/a	n/a	0.01	NP
<b>Nickel (mg/L)</b>	<b>GWA-4 (bg)</b>	<b>-0.0002785</b>	<b>-265</b>	<b>-167</b>	<b>Yes</b>	<b>33</b>	<b>51.52</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel (mg/L)	GWC-8	0	-73	-161	No	32	81.25	n/a	n/a	0.01	NP

# Appendix III Intrawell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-8	0.055	n/a	8/10/2021	0.088	Yes	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Calcium (mg/L)	GWC-18	46.36	n/a	8/10/2021	48.2	Yes	14	40.09	2.439	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-23	45.95	n/a	8/10/2021	48.2	Yes	13	36.75	3.5	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-8	90.82	n/a	8/10/2021	111	Yes	15	63.08	11.04	0	None	No	0.0006269	Param Intra 1 of 2
pH (SU)	GWC-8	7.808	6.743	8/10/2021	6.65	Yes	15	7.275	0.2119	0	None	No	0.0003135	Param Intra 1 of 2
Sulfate (mg/L)	GWA-2	20.34	n/a	8/9/2021	23.2	Yes	13	14.94	2.053	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	58.56	n/a	8/10/2021	66.4	Yes	18	35.78	9.504	0	None	No	0.0006269	Param Intra 1 of 2







# Appendix III Interwell Prediction Limits - All Results (No Significant)

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:33 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-8	0.182	n/a	8/10/2021	0.088	No	85	n/a	n/a	2.353	n/a	n/a	0.000266	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18	123	n/a	8/10/2021	48.2	No	85	n/a	n/a	2.353	n/a	n/a	0.000266	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	123	n/a	8/10/2021	48.2	No	85	n/a	n/a	2.353	n/a	n/a	0.000266	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-8	123	n/a	8/10/2021	111	No	85	n/a	n/a	2.353	n/a	n/a	0.000266	NP Inter (normality) 1 of 2
pH (SU)	GWC-8	7.186	6.453	8/10/2021	6.65	No	85	6.82	0.1805	0	None	No	0.0003135	Param Inter 1 of 2
Sulfate (mg/L)	GWC-20	302.3	n/a	8/10/2021	66.4	No	85	n/a	n/a	0	n/a	n/a	0.000266	NP Inter (normality) 1 of 2

# Appendix III Trend Tests - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:37 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Boron (mg/L)	GWC-8	0.00798	107	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-8	6.798	91	74	Yes	19	0	n/a	n/a	0.01	NP
pH (SU)	GWC-8	-0.127	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-20	7.831	193	92	Yes	22	0	n/a	n/a	0.01	NP

# Appendix III Trend Tests - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 9/2/2021, 4:37 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GWA-1 (bg)	0.0003034	8	63	No	17	11.76	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-11 (bg)	0.0003928	13	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-2 (bg)	-0.00113	-30	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-3 (bg)	-0.0008083	-14	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-4 (bg)	-0.003997	-30	-63	No	17	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>GWC-8</b>	<b>0.00798</b>	<b>107</b>	<b>68</b>	<b>Yes</b>	<b>18</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	GWA-1 (bg)	0.143	22	63	No	17	5.882	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-11 (bg)	-0.01775	-1	-63	No	17	5.882	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-2 (bg)	1.105	32	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-3 (bg)	-0.4021	-12	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-4 (bg)	-4.644	-50	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-18	0.927	40	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23	2.093	51	63	No	17	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>GWC-8</b>	<b>6.798</b>	<b>91</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (SU)	GWA-1 (bg)	0	0	63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-11 (bg)	0.01097	14	63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-2 (bg)	-0.006259	-9	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-3 (bg)	0.02336	23	63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-4 (bg)	0.02066	38	63	No	17	0	n/a	n/a	0.01	NP
<b>pH (SU)</b>	<b>GWC-8</b>	<b>-0.127</b>	<b>-120</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	GWA-1 (bg)	0.09614	45	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-11 (bg)	-0.1219	-22	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-2 (bg)	0.81	55	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-3 (bg)	-2.776	-27	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-4 (bg)	-18.9	-63	-63	No	17	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWC-20</b>	<b>7.831</b>	<b>193</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

# Appendix I Intrawell Prediction Limits - Resample Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/21/2021, 1:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-8	0.1227	n/a	9/28/2021	0.2	Yes	31	0.316	0.01439	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.005	n/a	9/28/2021	0.0009J	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2

# Appendix III Intrawell Prediction Limits - Resample Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/21/2021, 1:18 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (SU)	GWC-8	7.808	6.743	9/28/2021	6.77	No	15	7.275	0.2119	0	None	No	0.0003135	Param Intra 1 of 2

# Appendix I Interwell Prediction Limits - Resample Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/21/2021, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-8	0.21	n/a	9/28/2021	0.2	No	190	n/a	n/a	0	n/a	n/a	0.0000548	NP Inter (normality) 1 of 2



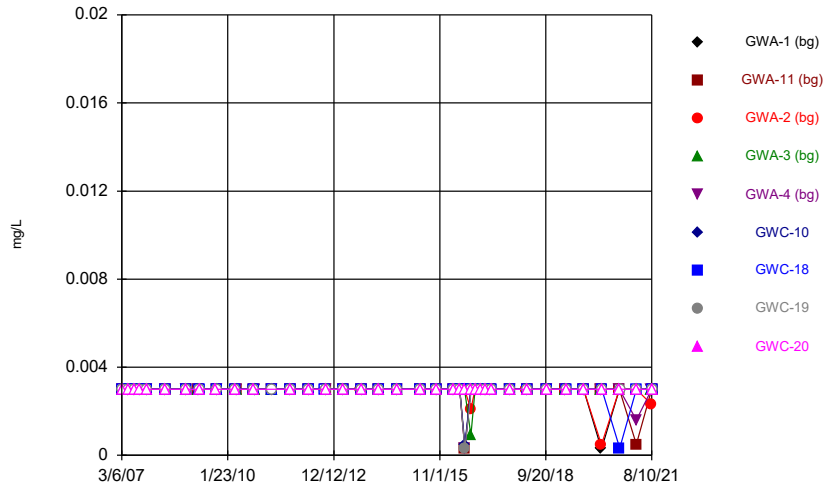
# Appendix I Trend Tests - Resample Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/21/2021, 1:20 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWC-8	0.001617	184	214	No	39	0	n/a	n/a	0.01	NP

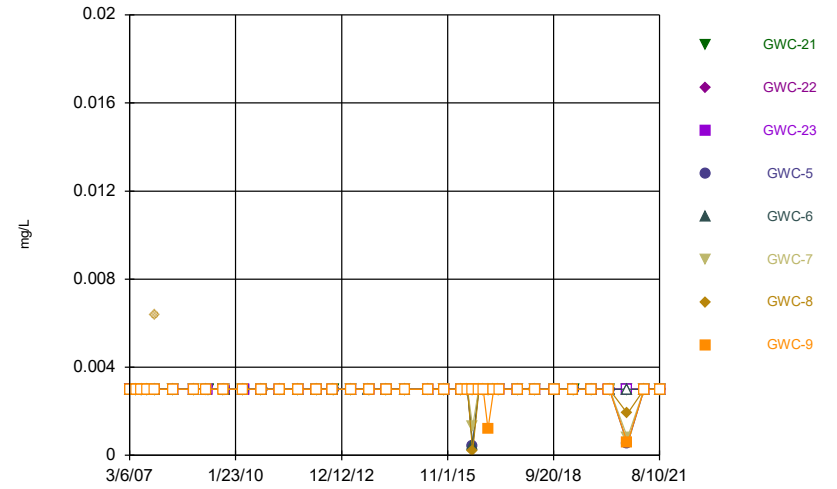
FIGURE A.

### Time Series



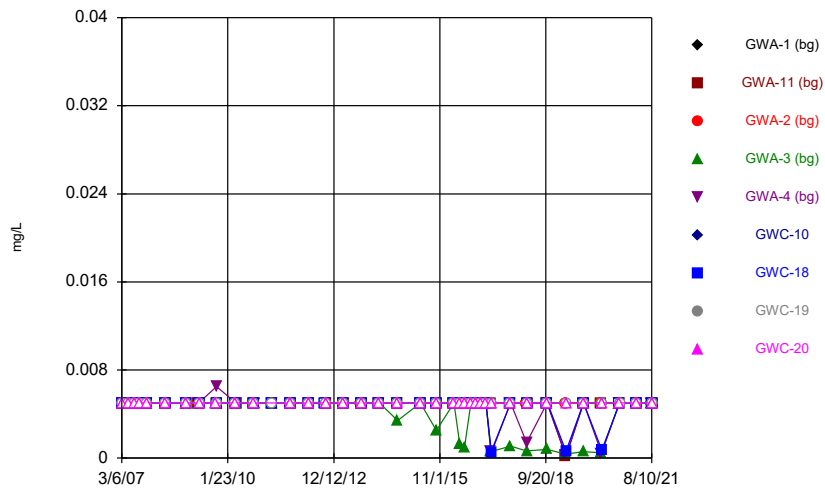
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



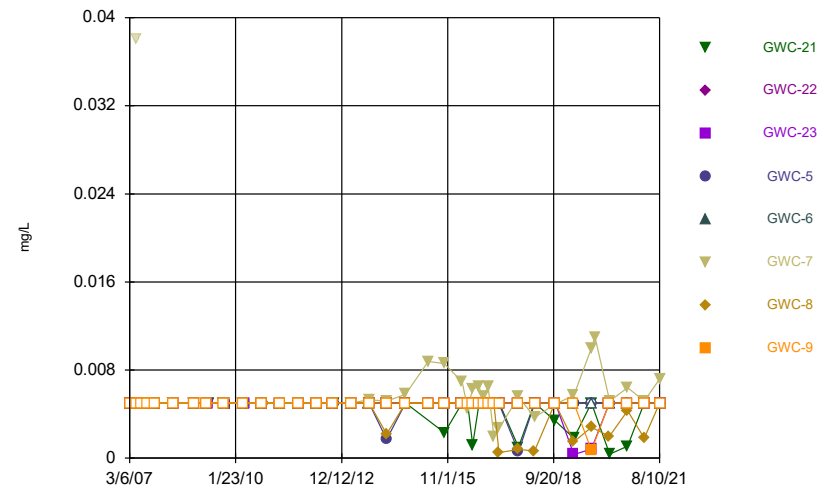
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



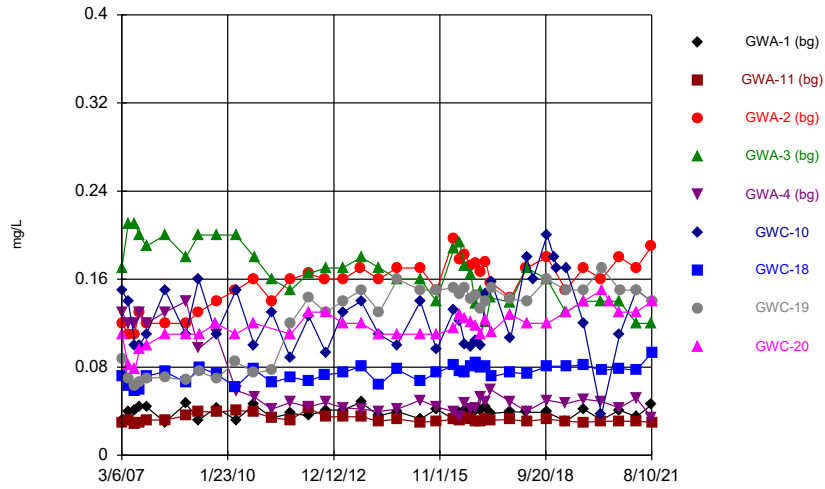
Constituent: Arsenic Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



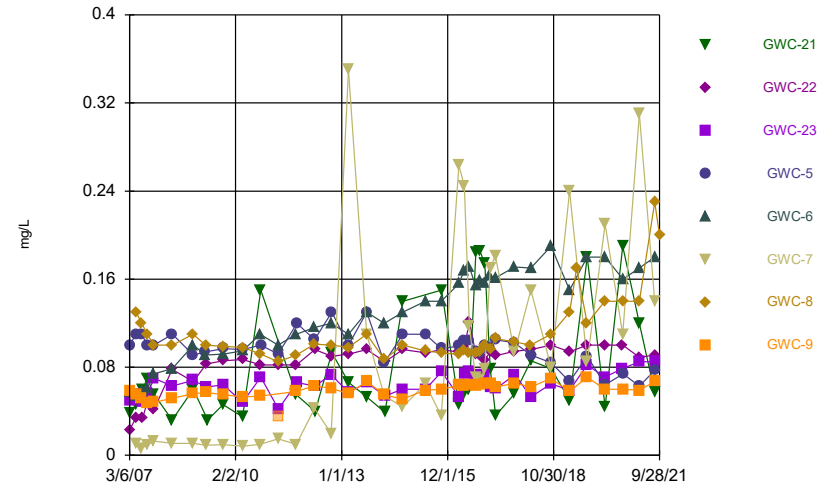
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



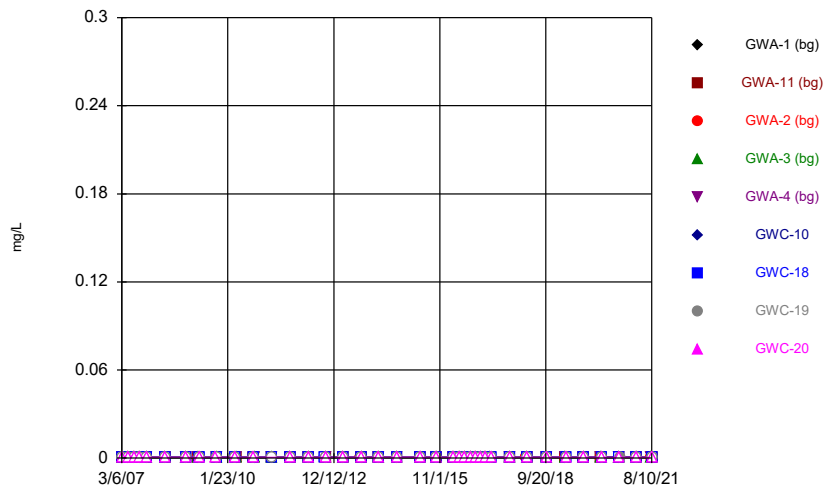
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



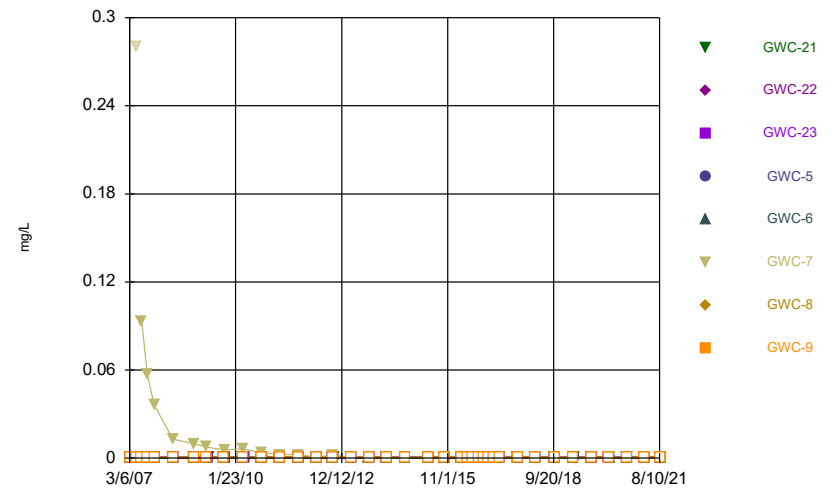
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



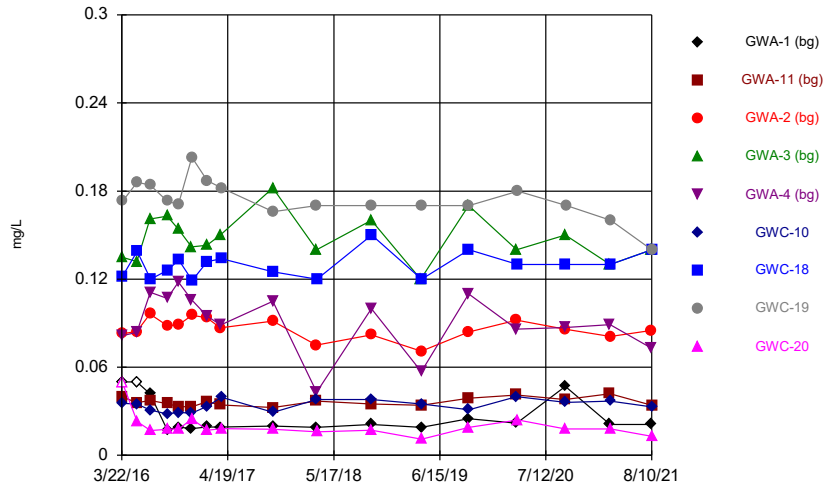
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



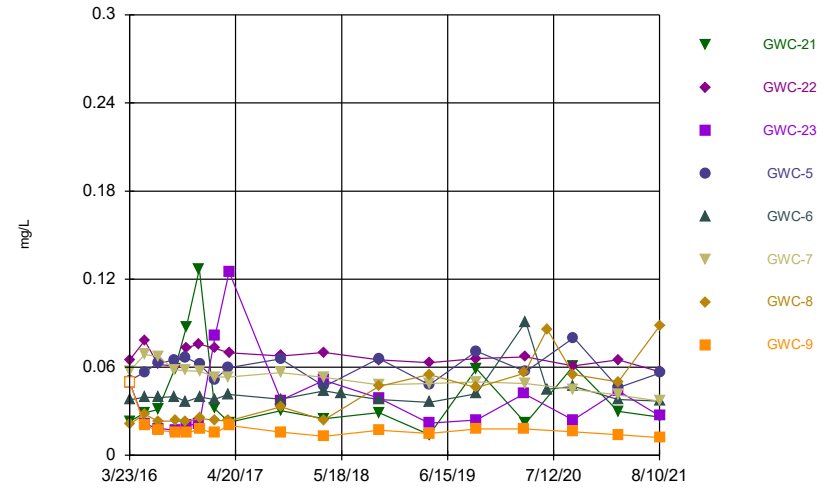
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



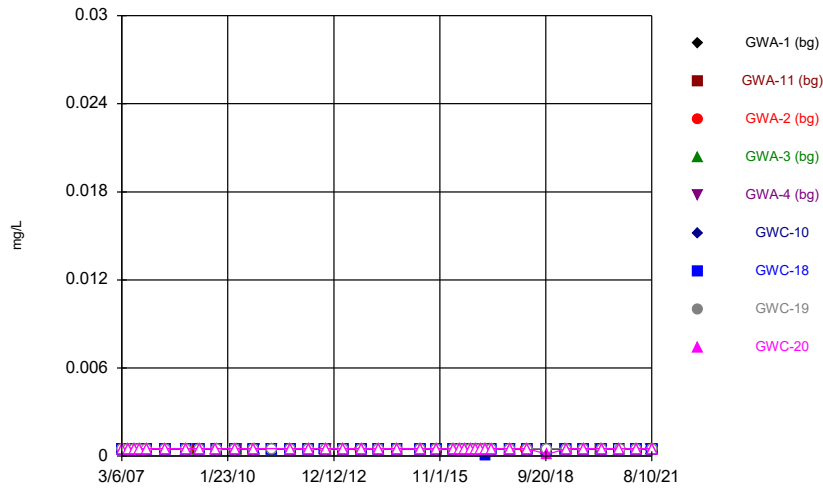
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



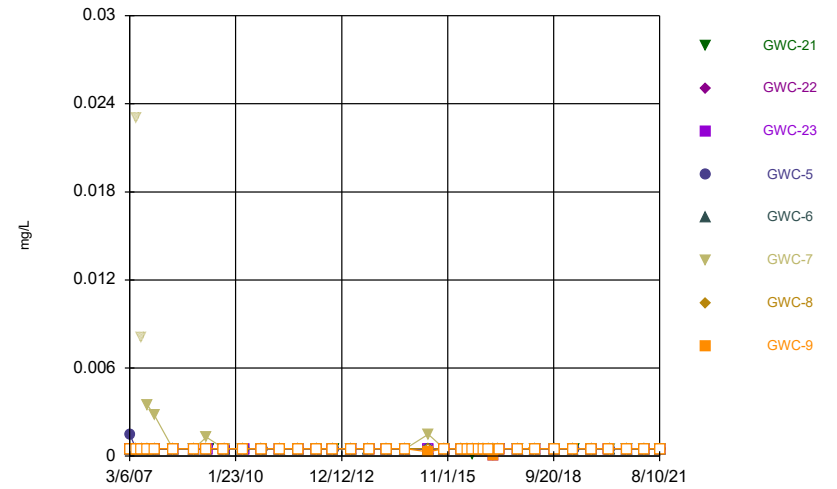
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



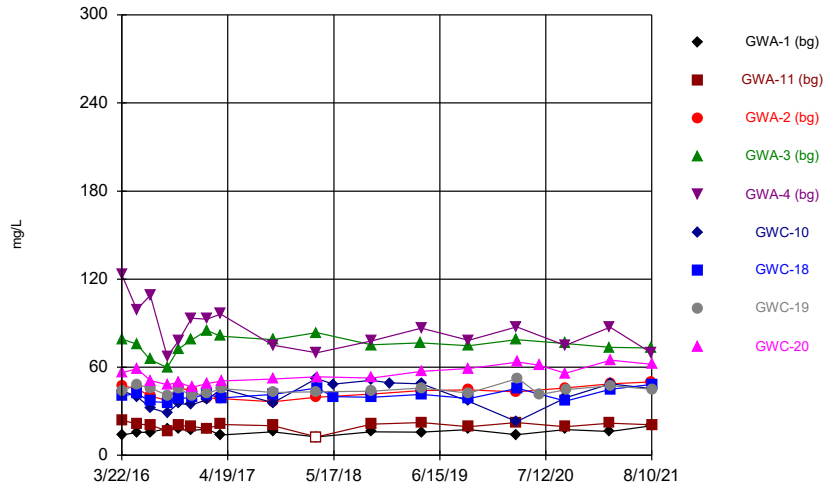
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



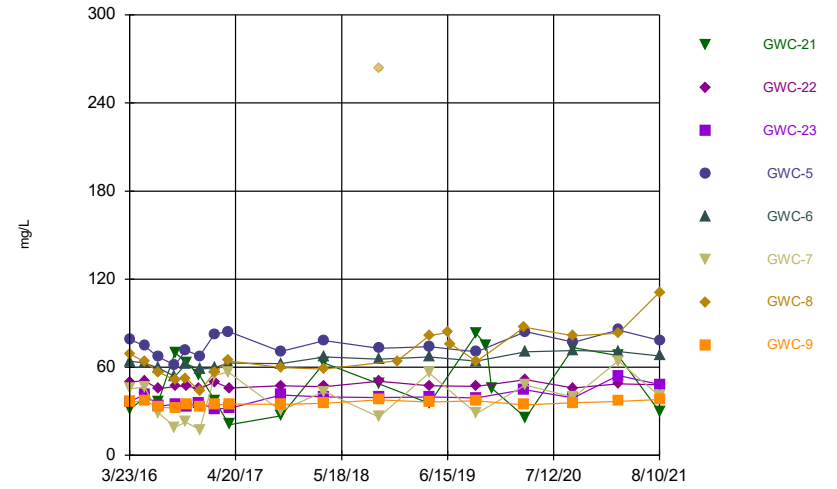
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



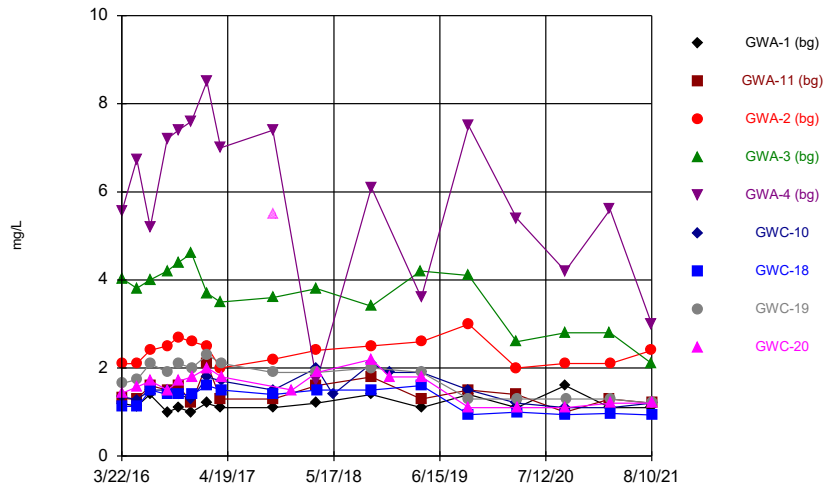
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



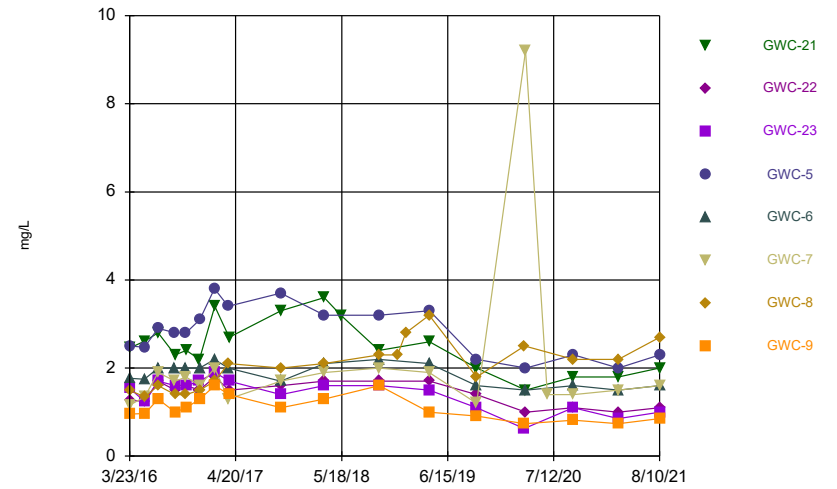
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



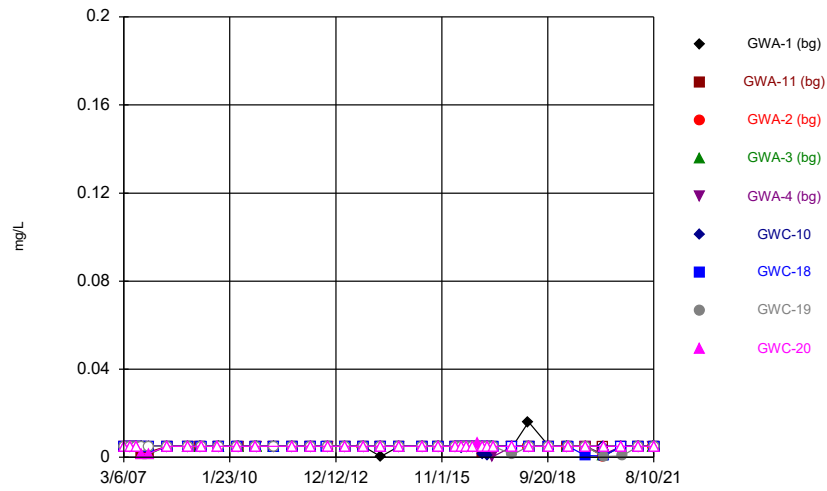
Constituent: Chloride Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



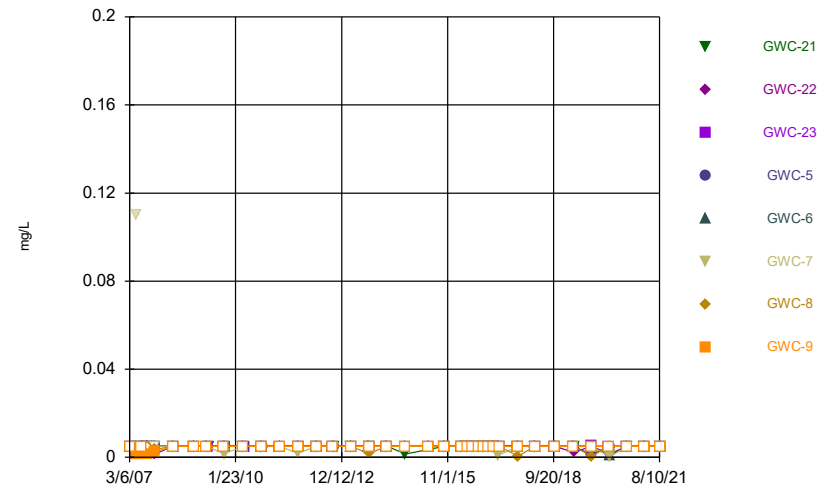
Constituent: Chloride Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



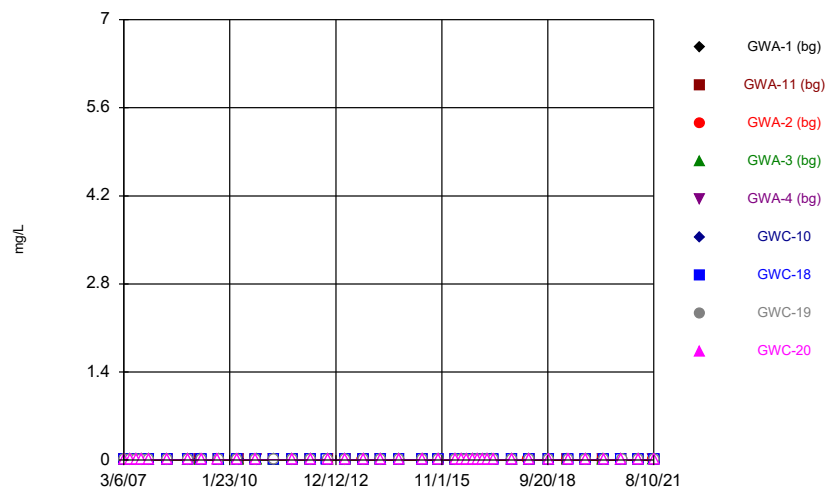
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



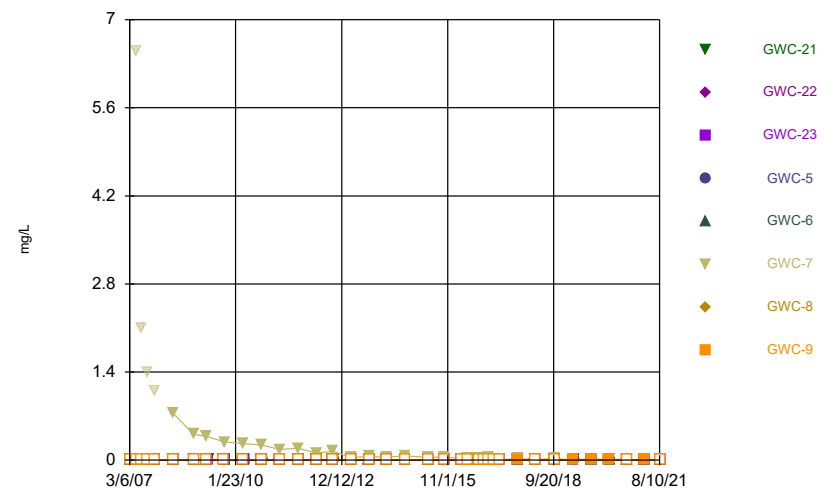
Constituent: Chromium Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



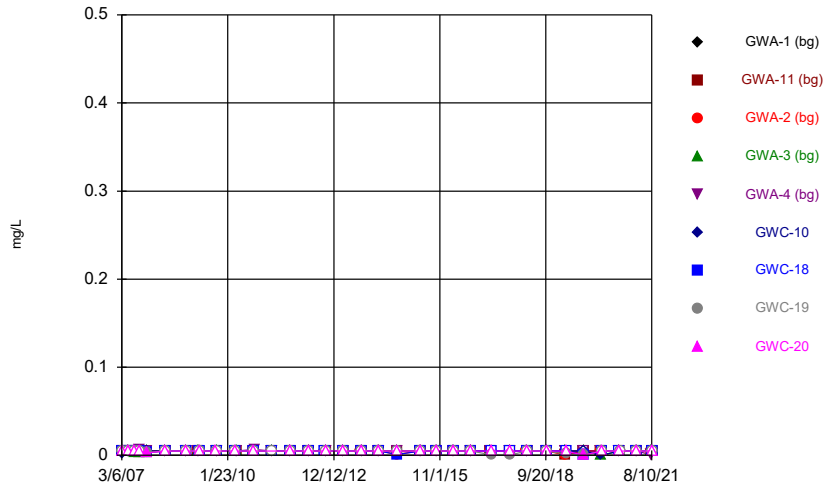
Constituent: Cobalt Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



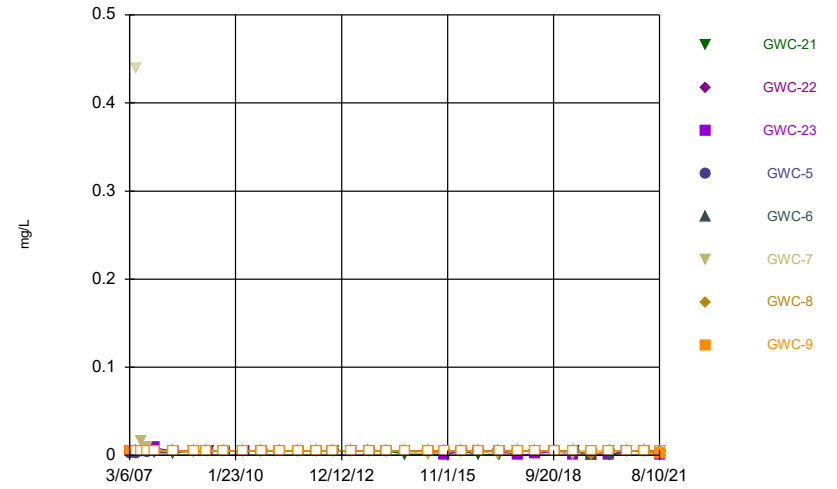
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



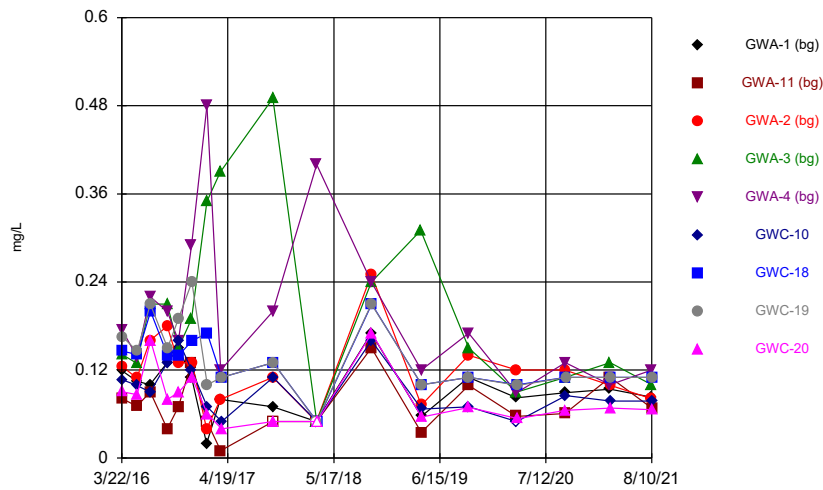
Constituent: Copper Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



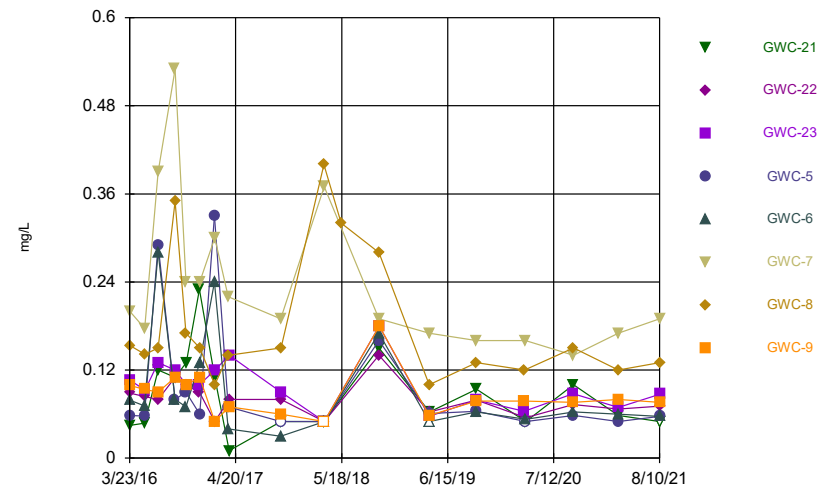
Constituent: Copper Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



Constituent: Fluoride Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

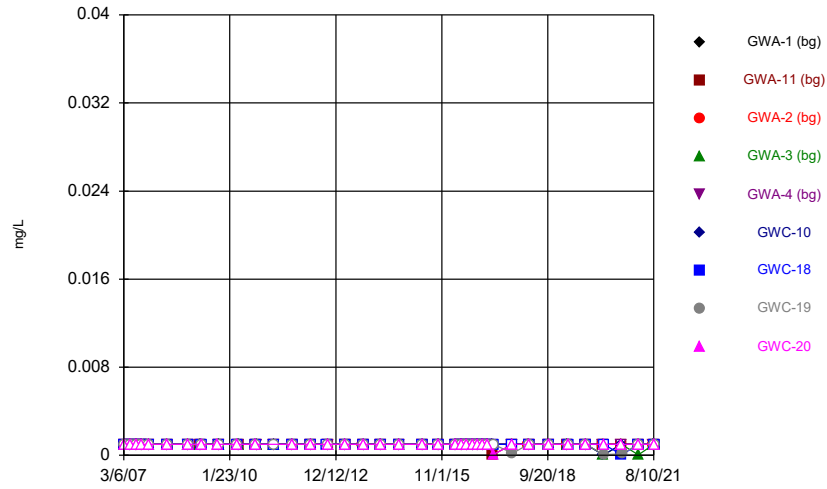
### Time Series



Constituent: Fluoride Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

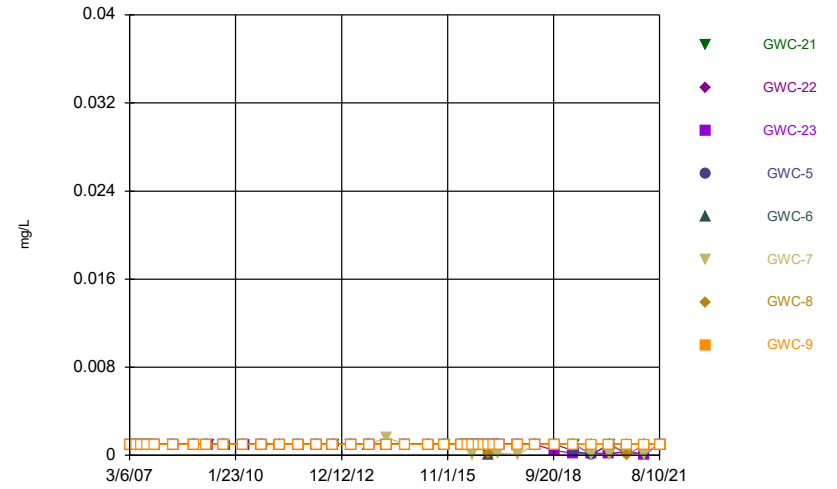


Time Series



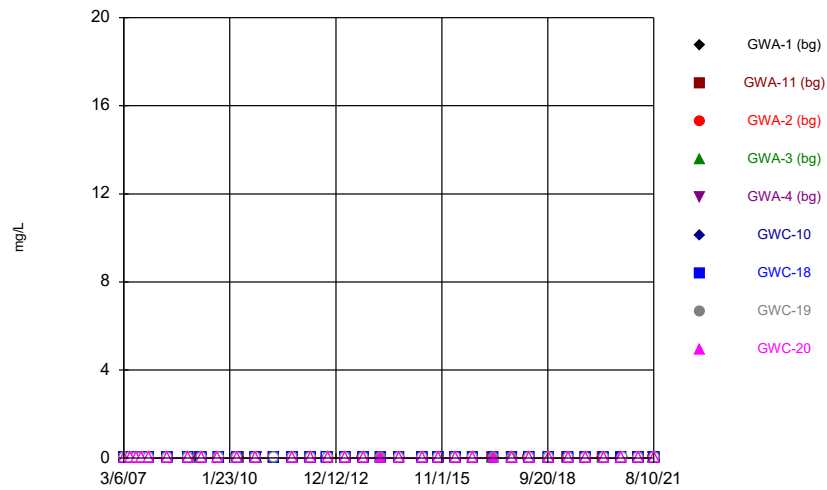
Constituent: Lead Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



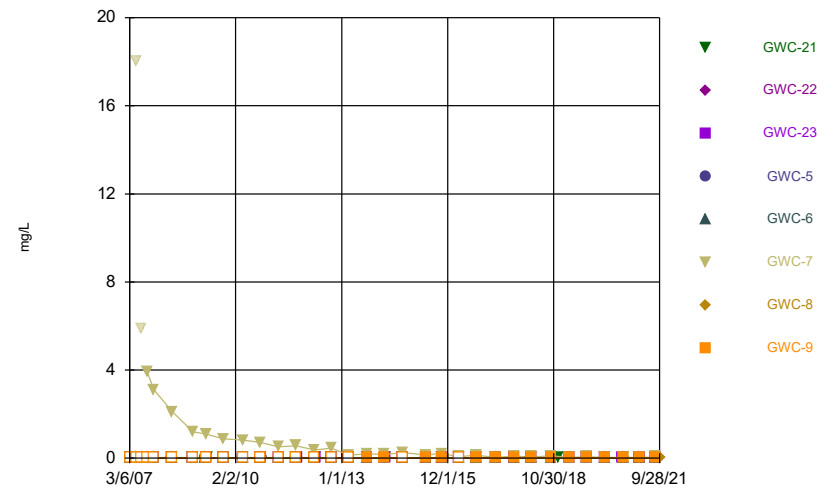
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



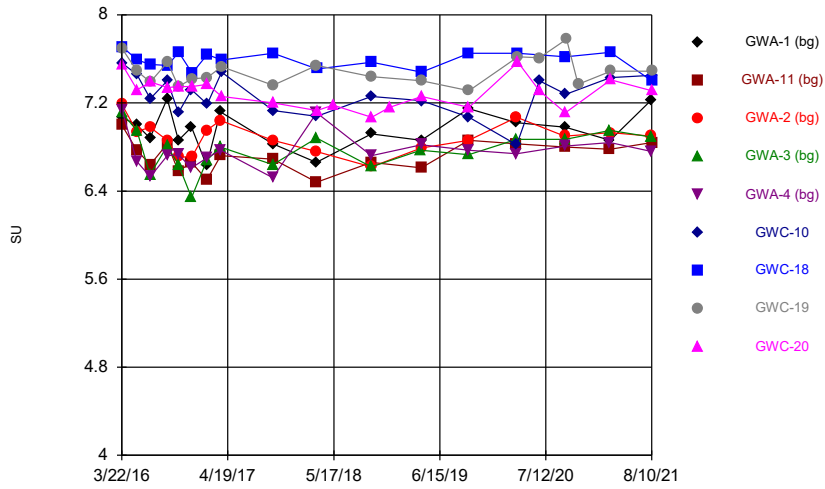
Constituent: Nickel Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



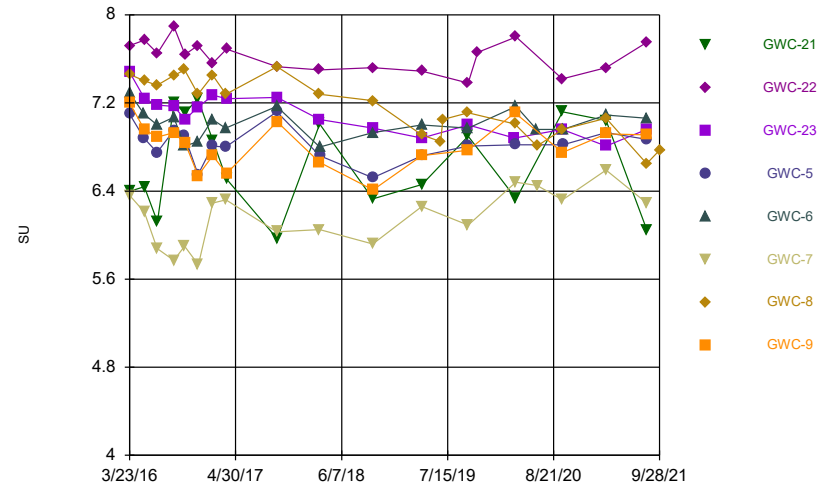
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



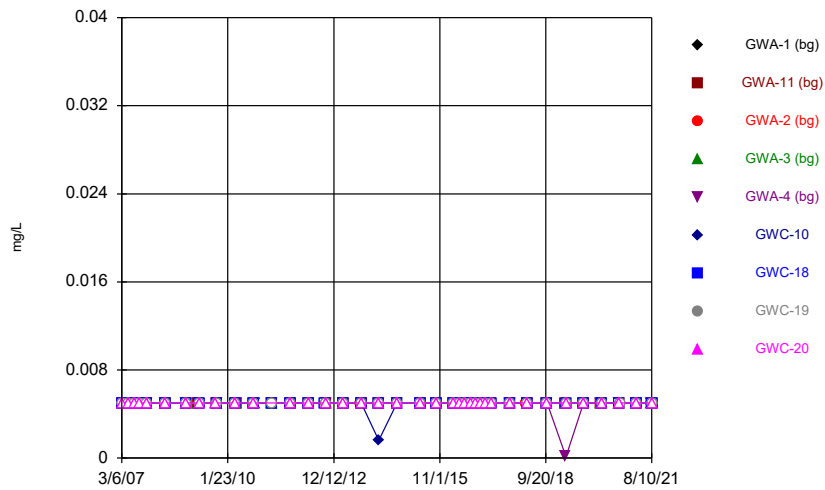
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



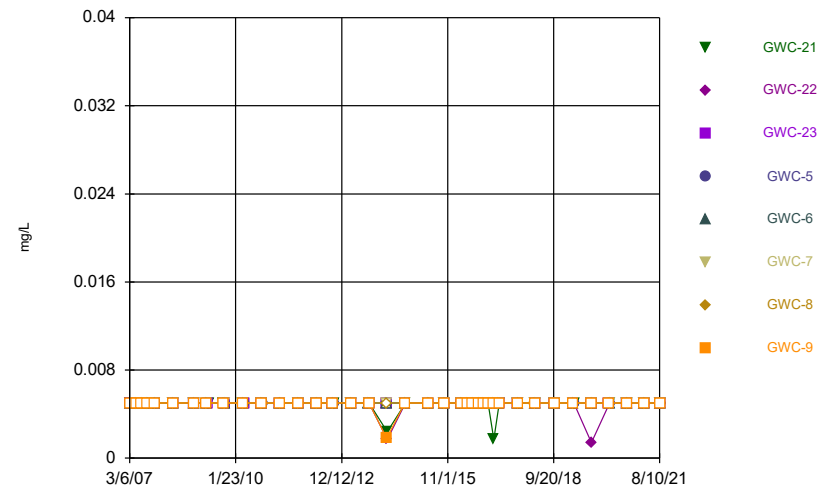
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



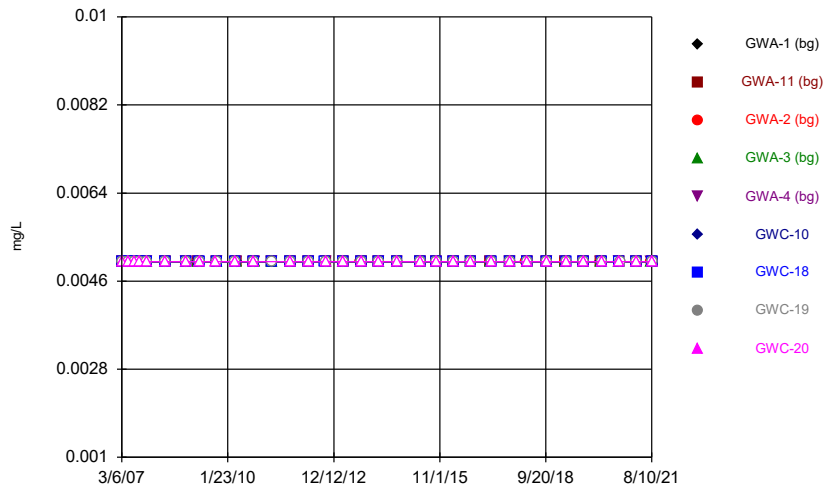
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



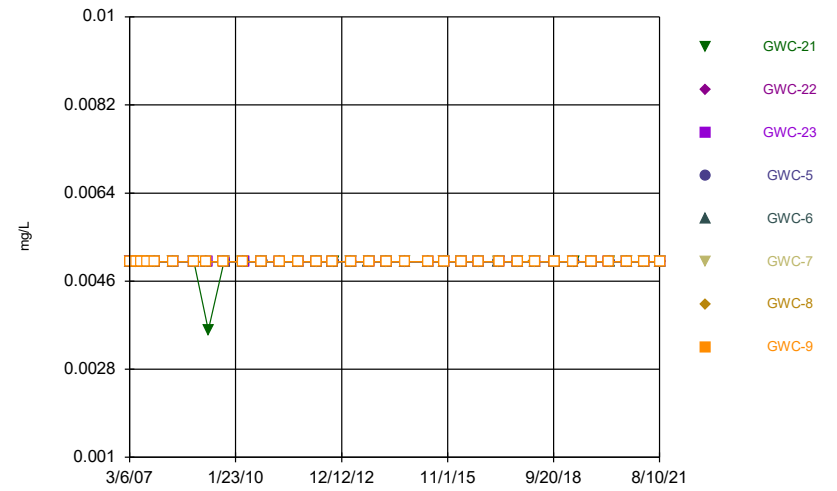
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



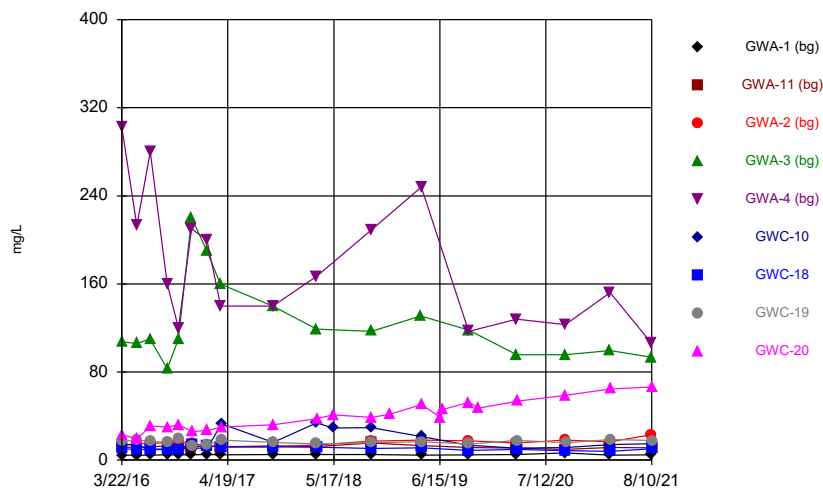
Constituent: Silver Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



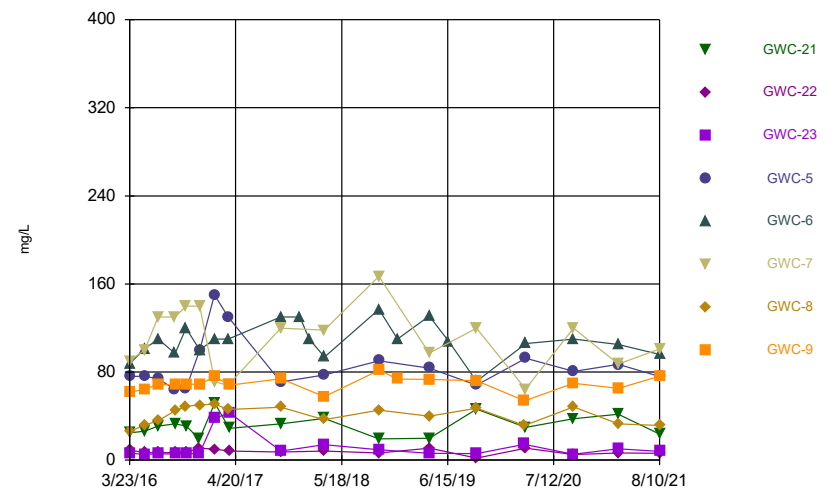
Constituent: Silver Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



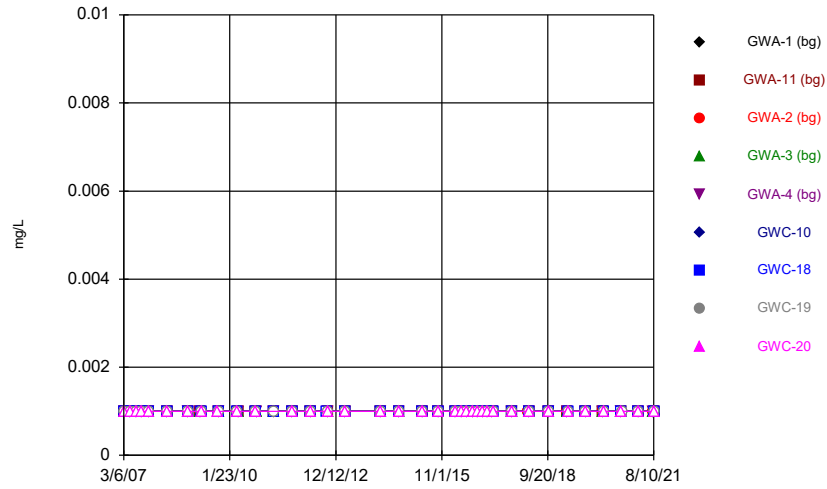
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



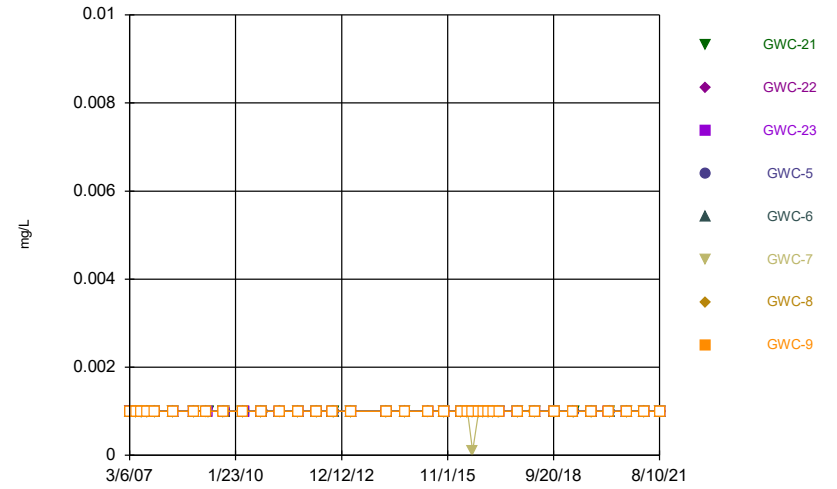
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



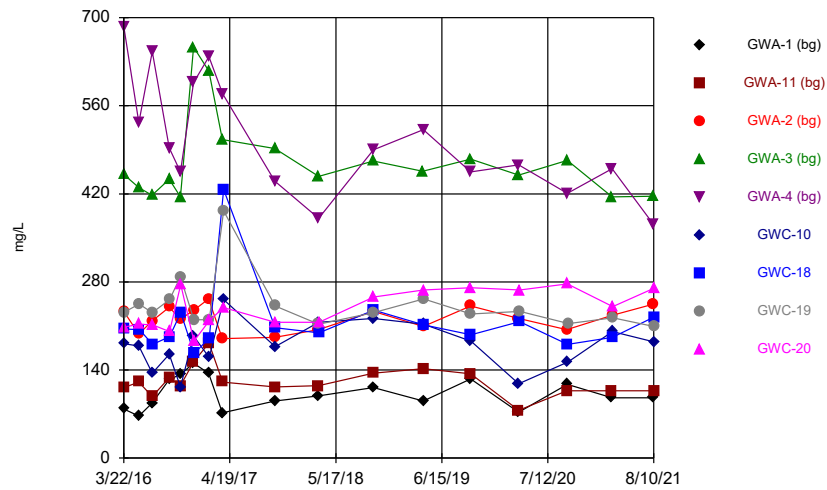
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



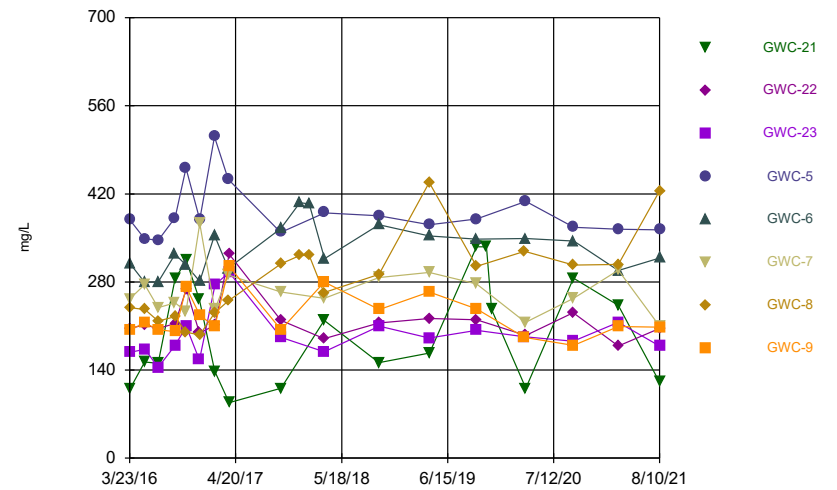
Constituent: Thallium Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



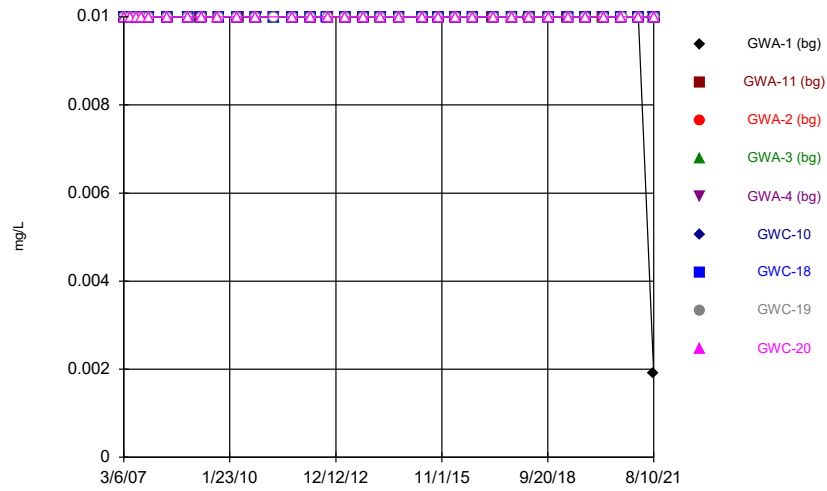
Constituent: Total Dissolved Solids Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series

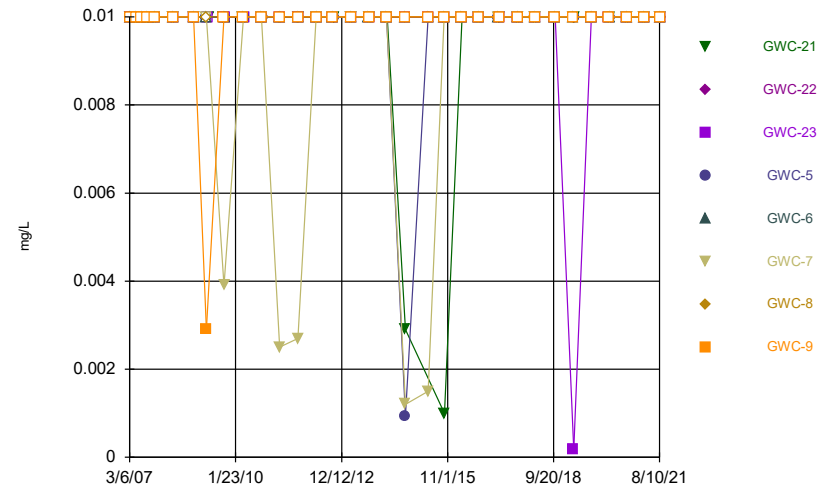


Constituent: Total Dissolved Solids Analysis Run 10/21/2021 1:22 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

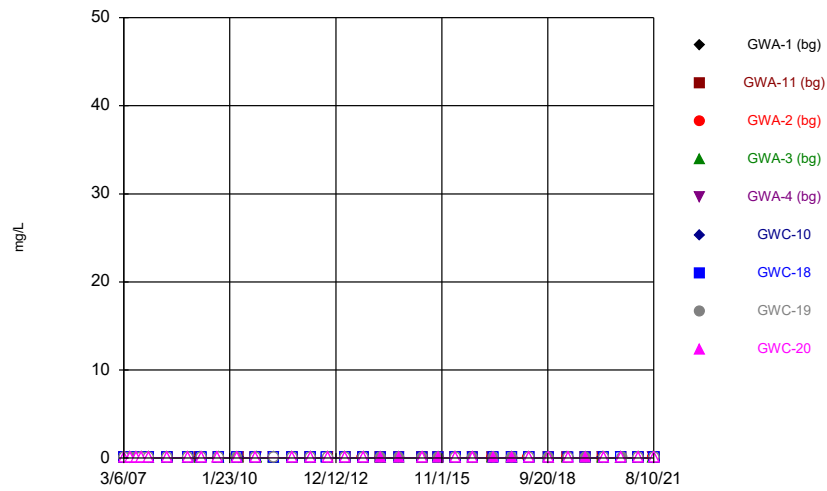
Time Series



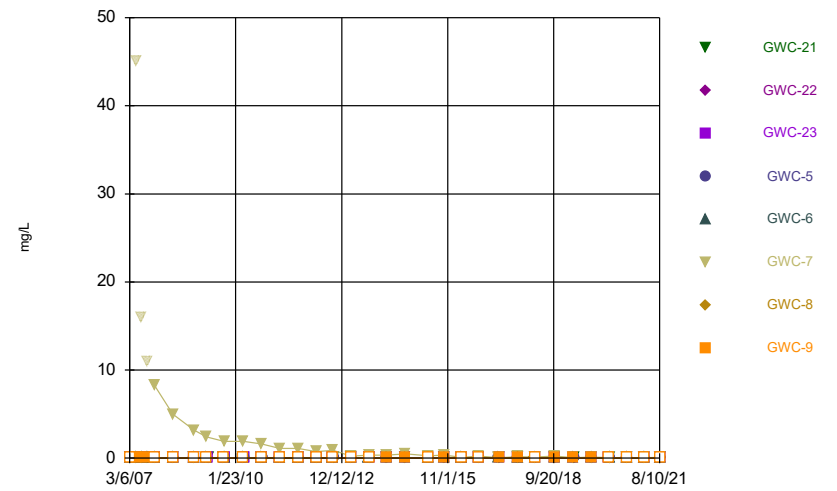
Time Series



Time Series



Time Series



# Time Series

Constituent: Antimony (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.003		<0.003	<0.003	<0.003			<0.003	
3/7/2007		<0.003				<0.003	<0.003		<0.003
5/8/2007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
5/9/2007							<0.003	<0.003	<0.003
7/7/2007	<0.003		<0.003						
7/17/2007		<0.003		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
8/28/2007	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	
8/29/2007									<0.003
11/6/2007	<0.003		<0.003	<0.003	<0.003				
11/7/2007		<0.003				<0.003	<0.003	<0.003	<0.003
5/7/2008							<0.003	<0.003	<0.003
5/8/2008				<0.003	<0.003				
5/9/2008	<0.003	<0.003	<0.003			<0.003			
12/2/2008		<0.003				<0.003			
12/3/2008	<0.003		<0.003	<0.003	<0.003		<0.003		
12/4/2008								<0.003	
12/5/2008									<0.003
4/7/2009	<0.003		<0.003	<0.003	<0.003				
4/8/2009		<0.003				<0.003			
4/14/2009							<0.003	<0.003	<0.003
9/30/2009									<0.003
10/1/2009	<0.003	<0.003	<0.003			<0.003	<0.003		
10/2/2009				<0.003	<0.003			<0.003	
4/13/2010							<0.003	<0.003	<0.003
4/14/2010	<0.003	<0.003		<0.003	<0.003	<0.003			
10/7/2010			<0.003						
10/12/2010							<0.003	<0.003	<0.003
10/13/2010	<0.003	<0.003				<0.003			
10/14/2010				<0.003	<0.003				
4/5/2011				<0.003	<0.003				
4/6/2011	<0.003	<0.003	<0.003			<0.003	<0.003	<0.003	
10/4/2011		<0.003				<0.003			
10/6/2011			<0.003						
10/10/2011	<0.003								
10/12/2011				<0.003	<0.003		<0.003	<0.003	<0.003
4/3/2012	<0.003		<0.003						
4/4/2012				<0.003	<0.003				
4/5/2012							<0.003	<0.003	
4/9/2012									<0.003
4/10/2012		<0.003				<0.003			
9/19/2012			<0.003				<0.003		
9/24/2012	<0.003				<0.003				
9/25/2012								<0.003	<0.003
9/26/2012		<0.003		<0.003		<0.003			
3/12/2013	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
3/13/2013							<0.003	<0.003	<0.003
9/9/2013			<0.003						
9/10/2013		<0.003		<0.003	<0.003	<0.003	<0.003		
9/11/2013	<0.003							<0.003	<0.003
3/4/2014	<0.003	<0.003	<0.003			<0.003			
3/10/2014							<0.003	<0.003	<0.003
3/11/2014				<0.003	<0.003				

# Time Series

Constituent: Antimony (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.003	<0.003	<0.003			<0.003	<0.003		
9/8/2014				<0.003	<0.003				
9/9/2014								<0.003	<0.003
4/21/2015	<0.003	<0.003		<0.003	<0.003	<0.003			
4/22/2015			<0.003				<0.003	<0.003	
4/23/2015									<0.003
9/29/2015		<0.003		<0.003	<0.003				
9/30/2015	<0.003		<0.003			<0.003	<0.003	<0.003	<0.003
3/22/2016	<0.003	<0.003	<0.003	<0.003	<0.003				
3/23/2016						<0.003			<0.003
3/24/2016							<0.003	<0.003	
5/17/2016	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003			
5/18/2016							<0.003	<0.003	<0.003
7/5/2016	<0.003		<0.003	<0.003					
7/6/2016		0.0003 (J)			0.0003 (J)	0.0005 (J)		0.0003 (J)	
7/7/2016							<0.003		<0.003
9/7/2016	<0.003	<0.003	0.0021 (J)	0.0009 (J)	<0.003	<0.003			
9/8/2016							<0.003	<0.003	<0.003
10/18/2016	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	
10/19/2016							<0.003		<0.003
12/6/2016	<0.003	<0.003		<0.003	<0.003	<0.003			
12/7/2016			<0.003					<0.003	<0.003
12/8/2016							<0.003		
1/31/2017	<0.003		<0.003						
2/1/2017		<0.003		<0.003	<0.003				
2/2/2017						<0.003	<0.003	<0.003	
2/3/2017									<0.003
3/23/2017	<0.003		<0.003	<0.003					
3/24/2017		<0.003			<0.003				
3/27/2017						<0.003	<0.003	<0.003	<0.003
10/4/2017	<0.003		<0.003	<0.003	<0.003				
10/5/2017		<0.003				<0.003	<0.003	<0.003	<0.003
3/14/2018	<0.003		<0.003						
3/15/2018		<0.003		<0.003	<0.003	<0.003		<0.003	
3/16/2018							<0.003		<0.003
10/4/2018	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003		<0.003	
10/5/2018							<0.003		<0.003
4/5/2019				<0.003					
4/8/2019	<0.003	<0.003	<0.003		<0.003				
4/9/2019						<0.003	<0.003	<0.003	<0.003
9/30/2019	<0.003	<0.003	<0.003	<0.003	<0.003				
10/1/2019						<0.003	<0.003	<0.003	<0.003
3/26/2020	0.00028 (J)	<0.003	0.00049 (J)	<0.003	<0.003				
3/27/2020						<0.003			
3/30/2020							<0.003		
3/31/2020								<0.003	<0.003
9/21/2020			<0.003						
9/22/2020		<0.003							
9/23/2020	<0.003			<0.003	<0.003				<0.003
9/24/2020							0.00033 (J)		
9/25/2020						<0.003			
9/28/2020								<0.003	

# Time Series

Constituent: Antimony (mg/L) Analysis Run 10/21/2021 1:23 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.003	0.0005 (J)		<0.003	0.0016 (J)				
3/9/2021			<0.003			<0.003	<0.003		
3/10/2021								<0.003	<0.003
8/9/2021	<0.003		0.0023 (J)	<0.003	<0.003				
8/10/2021		<0.003				<0.003	<0.003	<0.003	<0.003



# Time Series

Constituent: Antimony (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.003	<0.003	<0.003					
3/7/2007				<0.003	<0.003			<0.003
5/8/2007				<0.003				<0.003
5/9/2007	<0.003	<0.003	<0.003		<0.003	<0.003	<0.003	
7/6/2007				<0.003		<0.003	<0.003	<0.003
7/17/2007	<0.003	<0.003	<0.003		<0.003			
8/28/2007				<0.003	<0.003	<0.003	<0.003	<0.003
8/29/2007	<0.003	<0.003	<0.003					
11/6/2007				<0.003	<0.003	<0.003	0.0064 (o)	<0.003
11/7/2007	<0.003	<0.003	<0.003					
5/7/2008	<0.003	<0.003	<0.003					
5/8/2008				<0.003	<0.003	<0.003	<0.003	<0.003
12/2/2008						<0.003	<0.003	<0.003
12/3/2008				<0.003	<0.003			
12/5/2008	<0.003	<0.003	<0.003					
4/7/2009				<0.003	<0.003			
4/8/2009						<0.003	<0.003	<0.003
4/14/2009		<0.003	<0.003					
4/27/2009	<0.003							
9/30/2009	<0.003	<0.003					<0.003	<0.003
10/1/2009			<0.003	<0.003	<0.003	<0.003		
4/13/2010	<0.003	<0.003			<0.003	<0.003	<0.003	<0.003
4/14/2010			<0.003	<0.003				
10/6/2010					<0.003			
10/7/2010						<0.003		
10/12/2010	<0.003	<0.003						
10/13/2010			<0.003				<0.003	<0.003
10/14/2010				<0.003				
4/5/2011				<0.003	<0.003	<0.003	<0.003	<0.003
4/6/2011		<0.003	<0.003					
10/4/2011					<0.003	<0.003	<0.003	<0.003
10/5/2011	<0.003	<0.003						
10/12/2011			<0.003	<0.003				
4/3/2012					<0.003	<0.003	<0.003	
4/4/2012				<0.003				<0.003
4/9/2012		<0.003	<0.003					
4/10/2012	<0.003							
9/18/2012					<0.003	<0.003		
9/19/2012			<0.003				<0.003	<0.003
9/24/2012				<0.003				
9/25/2012		<0.003						
9/26/2012	<0.003							
3/12/2013				<0.003	<0.003	<0.003	<0.003	<0.003
3/13/2013	<0.003	<0.003	<0.003					
9/9/2013					<0.003			
9/10/2013			<0.003	<0.003		<0.003	<0.003	<0.003
9/11/2013	<0.003	<0.003						
3/5/2014				<0.003	<0.003	<0.003	<0.003	<0.003
3/11/2014	<0.003	<0.003	<0.003					
9/3/2014			<0.003					<0.003
9/8/2014					<0.003	<0.003		
9/9/2014	<0.003	<0.003		<0.003			<0.003	



# Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		<0.005				<0.005	<0.005	<0.005	<0.005
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	0.0065			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				<0.005				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	<0.005	<0.005	<0.005			<0.005			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				0.005	<0.005				

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	<0.005	<0.005			<0.005	<0.005		
9/8/2014				0.0034 (J)	<0.005			<0.005	<0.005
9/9/2014									
4/21/2015	<0.005	<0.005		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		<0.005		0.0025 (J)	<0.005				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
5/17/2016	<0.005	<0.005	<0.005	0.00129 (J)	<0.005	<0.005			
5/18/2016							<0.005	<0.005	<0.005
7/5/2016	<0.005		<0.005	0.001 (J)					
7/6/2016		<0.005			<0.005	<0.005		<0.005	
7/7/2016							<0.005		<0.005
9/7/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	<0.005	<0.005
10/18/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/19/2016							<0.005		<0.005
12/6/2016	<0.005	<0.005		<0.005	<0.005	<0.005			
12/7/2016			<0.005					<0.005	<0.005
12/8/2016							<0.005		
1/31/2017	<0.005		<0.005						
2/1/2017		<0.005		<0.005	<0.005				
2/2/2017						<0.005	<0.005	<0.005	
2/3/2017									<0.005
3/23/2017	<0.005		<0.005	0.0006 (J)					
3/24/2017		<0.005			0.0006 (J)				
3/27/2017						<0.005	0.0005 (J)	<0.005	<0.005
10/4/2017	<0.005		<0.005	0.0011 (J)	<0.005				
10/5/2017		<0.005				<0.005	<0.005	<0.005	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		<0.005		0.00066 (J)	0.0014 (J)	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	<0.005	<0.005	0.0008 (J)	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				0.00035 (J)					
4/8/2019	<0.005	0.00012 (J)	<0.005		0.00023 (J)				
4/9/2019						<0.005	0.00063 (J)	<0.005	<0.005
9/30/2019	<0.005	<0.005	<0.005	0.00058 (J)	<0.005				
10/1/2019						<0.005	<0.005	<0.005	<0.005
3/26/2020	<0.005	<0.005	<0.005	0.00048 (J)	0.00044 (J)				
3/27/2020						<0.005			
3/30/2020							0.00073 (J)		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		<0.005							
9/23/2020	<0.005			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								<0.005	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/21/2021 1:23 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.005	<0.005		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005
8/9/2021	<0.005		<0.005	<0.005	<0.005				
8/10/2021		<0.005				<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	0.038 (o)	<0.005	
7/6/2007				<0.005		<0.005	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	<0.005	<0.005	<0.005
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	<0.005	<0.005	<0.005
11/7/2007	<0.005	<0.005	<0.005					
5/7/2008	<0.005	<0.005	<0.005					
5/8/2008				<0.005	<0.005	<0.005	<0.005	<0.005
12/2/2008						<0.005	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						<0.005	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	<0.005							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	<0.005		
4/13/2010	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						<0.005		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	<0.005	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	<0.005	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	<0.005	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	<0.005		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	<0.005							
3/12/2013				<0.005	<0.005	<0.005	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		0.0053	<0.005	<0.005
9/11/2013	<0.005	<0.005						
3/5/2014				0.0017 (J)	<0.005	0.0052	0.0022 (J)	<0.005
3/11/2014	<0.005	<0.005	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	0.0058		
9/9/2014	<0.005	<0.005		<0.005			<0.005	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				<0.005		0.0088		<0.005
4/22/2015					<0.005		<0.005	
4/23/2015		<0.005	<0.005					
9/29/2015				<0.005	<0.005	0.0086	<0.005	<0.005
9/30/2015	0.0023 (J)	<0.005	<0.005					
3/23/2016		<0.005	<0.005	<0.005	<0.005	0.00693	<0.005	<0.005
3/24/2016	<0.005							
5/17/2016				<0.005	<0.005			
5/18/2016	<0.005	<0.005				0.00451 (J)	<0.005	<0.005
5/19/2016			<0.005					
7/6/2016				<0.005	<0.005	0.0063	<0.005	<0.005
7/7/2016	0.0012 (J)	<0.005	<0.005					
9/7/2016				<0.005	<0.005	0.0065		
9/8/2016	<0.005	<0.005	<0.005				<0.005	<0.005
10/18/2016				<0.005	<0.005	0.0056	<0.005	
10/19/2016	<0.005	<0.005	<0.005					<0.005
12/7/2016	<0.005	<0.005	<0.005					
12/8/2016				<0.005	<0.005	0.0065	<0.005	<0.005
2/1/2017				<0.005	<0.005			
2/2/2017	<0.005	<0.005				0.002 (J)	<0.005	<0.005
2/3/2017			<0.005					
3/23/2017				<0.005	<0.005			
3/24/2017						0.0027 (J)	0.0005 (J)	
3/27/2017	<0.005	<0.005	<0.005					<0.005
10/4/2017				0.0006 (J)	<0.005	0.0056		
10/5/2017	0.001 (J)	<0.005	<0.005				0.0008 (J)	<0.005
3/14/2018							0.00064 (J)	
3/15/2018	<0.005	<0.005	<0.005			0.0037 (J)		<0.005
3/16/2018				<0.005	<0.005			
10/4/2018	0.0034 (J)	<0.005		<0.005	<0.005	0.0049 (J)	<0.005	
10/5/2018			<0.005					<0.005
4/8/2019			0.00034 (J)		<0.005	0.0057	0.0015 (J)	<0.005
4/9/2019	0.0018 (J)	<0.005		<0.005				
10/1/2019	<0.005	<0.005	0.00082 (J)	<0.005	<0.005	0.01	0.0028 (J)	0.00071 (J)
11/6/2019						0.011		
3/26/2020			<0.005					
3/27/2020							0.002 (J)	<0.005
3/30/2020						0.0052		
3/31/2020	0.00035 (J)	<0.005		<0.005	<0.005			
9/23/2020		<0.005	<0.005					
9/24/2020	0.0011 (J)					0.0064	0.0043 (J)	<0.005
9/25/2020				<0.005	<0.005			
3/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	0.0052	0.0018 (J)	<0.005
8/10/2021	<0.005	<0.005	<0.005	<0.005	<0.005	0.0072	0.005	<0.005

# Time Series

Constituent: Barium (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	0.032		0.12	0.17	0.13			0.088	
3/7/2007		0.03				0.15	0.072		0.11
5/8/2007	0.04	0.032	0.11	0.21	0.12	0.14			
5/9/2007							0.063	0.07	0.082
7/7/2007	0.041		0.11						
7/17/2007		0.028		0.21	0.12	0.1	0.058	0.063	0.078
8/28/2007	0.044	0.03	0.13	0.2	0.13	0.1	0.06	0.066	
8/29/2007									0.096
11/6/2007	0.044		0.12	0.19	0.12				
11/7/2007		0.032				0.11	0.072	0.07	0.1
5/7/2008							0.076	0.071	0.11
5/8/2008				0.2	0.13				
5/9/2008	0.03	0.032	0.12			0.15			
12/2/2008		0.036				0.11			
12/3/2008	0.047		0.12	0.18	0.14		0.066		
12/4/2008								0.068	
12/5/2008									0.11
4/7/2009	0.032		0.13	0.2	0.097				
4/8/2009		0.04				0.16			
4/14/2009							0.08	0.076	0.11
9/30/2009									0.12
10/1/2009	0.043	0.039	0.14			0.11	0.074		
10/2/2009				0.2	0.11			0.07	
4/13/2010			0.15				0.062	0.085	0.11
4/14/2010	0.032	0.041		0.2	0.059	0.15			
10/7/2010			0.16						
10/12/2010							0.078	0.075	0.12
10/13/2010	0.046	0.039				0.1			
10/14/2010				0.18	0.053				
4/5/2011				0.16	0.042				
4/6/2011	0.034	0.034	0.14			0.13	0.066	0.077	
10/4/2011		0.032				0.089			
10/6/2011			0.16						
10/10/2011	0.038								
10/12/2011				0.15	0.048		0.071	0.12	0.11
4/3/2012	0.0363		0.165						
4/4/2012				0.165	0.044				
4/5/2012							0.0675	0.143	
4/9/2012									0.13
4/10/2012		0.0425				0.126			
9/19/2012			0.16				0.073		
9/24/2012	0.041				0.048				
9/25/2012								0.13	0.13
9/26/2012		0.035		0.17		0.093			
3/12/2013	0.041	0.035	0.16	0.17	0.043	0.13			
3/13/2013							0.075	0.14	0.12
9/9/2013			0.17						
9/10/2013		0.035		0.18	0.042	0.14	0.081		
9/11/2013	0.048							0.15	0.12
3/4/2014	0.036	0.031	0.16			0.11			
3/10/2014							0.064	0.13	0.11
3/11/2014				0.17	0.04				



# Time Series

Constituent: Barium (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	0.04	0.033	0.17			0.1	0.078		
9/8/2014				0.16	0.042				
9/9/2014								0.16	0.11
4/21/2015	0.033	0.03		0.16	0.05	0.14			
4/22/2015			0.17				0.067	0.15	
4/23/2015									0.11
9/29/2015		0.031		0.14	0.044				
9/30/2015	0.042		0.15			0.096	0.075	0.15	0.11
3/22/2016	0.0326	0.0327	0.197	0.188	0.0397				
3/23/2016						0.132			0.115
3/24/2016							0.0818	0.152	
5/17/2016	0.0387	0.0323	0.178	0.193	0.0351	0.122			
5/18/2016							0.0763	0.146	0.128
7/5/2016	0.0403		0.182	0.172					
7/6/2016		0.0344			0.0475	0.101		0.152	
7/7/2016							0.0747		0.124
9/7/2016	0.0413	0.0324	0.172	0.164	0.0415	0.0985			
9/8/2016							0.081	0.142	0.121
10/18/2016	0.0409	0.0311	0.174	0.138	0.0424	0.104		0.145	
10/19/2016							0.084		0.117
12/6/2016	0.0408	0.0311		0.149	0.0528	0.1			
12/7/2016			0.167					0.133	0.11
12/8/2016							0.0799		
1/31/2017	0.0435		0.176						
2/1/2017		0.0332		0.121	0.0482				
2/2/2017						0.147	0.0813	0.14	
2/3/2017									0.123
3/23/2017	0.038		0.157	0.143					
3/24/2017		0.032			0.0595				
3/27/2017						0.158	0.0714	0.152	0.112
10/4/2017	0.0396		0.143	0.139	0.0486				
10/5/2017		0.0325				0.106	0.0755	0.142	0.128
3/14/2018	0.039		0.17						
3/15/2018		0.031		0.17	0.04	0.18		0.14	
3/16/2018							0.074		0.12
5/15/2018						0.16			
10/4/2018	0.039	0.033	0.18	0.16	0.05	0.2		0.16	
10/5/2018							0.081		0.12
12/11/2018						0.18			
1/11/2019						0.17			
4/5/2019				0.13					
4/8/2019	0.031	0.031	0.15		0.047				
4/9/2019						0.17	0.081	0.15	0.13
9/30/2019	0.042	0.03	0.17	0.14	0.051				
10/1/2019						0.12	0.082	0.15	0.14
3/26/2020	0.032	0.031	0.16	0.14	0.049				
3/27/2020						0.037			
3/30/2020							0.077		
3/31/2020								0.17	0.15
6/19/2020									0.14 (R)
9/21/2020			0.18						
9/22/2020		0.031							

# Time Series

Constituent: Barium (mg/L) Analysis Run 10/21/2021 1:23 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/23/2020	0.041			0.14	0.043				0.13
9/24/2020							0.079		
9/25/2020						0.11			
9/28/2020								0.15	
3/8/2021	0.035	0.031		0.12	0.052				
3/9/2021			0.17			0.15	0.077		
3/10/2021								0.15	0.13
8/9/2021	0.046		0.19	0.12	0.034				
8/10/2021		0.03				0.14	0.093	0.14	0.14

# Time Series

Constituent: Barium (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	0.038	0.023	0.05					
3/7/2007				0.1	0.057			0.059
5/8/2007				0.11				0.055
5/9/2007	0.046	0.034	0.055		0.054	0.011	0.13	
7/6/2007				0.11		0.0065	0.12	0.052
7/17/2007	0.06	0.034	0.048		0.059			
8/28/2007				0.1	0.061	0.0095	0.11	0.047
8/29/2007	0.07	0.048	0.056					
11/6/2007				0.1	0.074	0.013	0.1	0.048
11/7/2007	0.055	0.042	0.07					
5/7/2008	0.032	0.078	0.063					
5/8/2008				0.11	0.079	0.011	0.1	0.052
12/2/2008						0.011	0.11	0.056
12/3/2008				0.091	0.1			
12/5/2008	0.06	0.067	0.068					
4/7/2009				0.094	0.091			
4/8/2009						0.0091	0.1	0.057
4/14/2009		0.083	0.062					
4/27/2009	0.032							
9/30/2009	0.046	0.086					0.099	0.055
10/1/2009			0.064	0.097	0.092	0.0098		
4/13/2010	0.035	0.087			0.095	0.0084	0.098	0.053
4/14/2010			0.048	0.096				
10/6/2010					0.11			
10/7/2010						0.01		
10/12/2010	0.15	0.082						
10/13/2010			0.071				0.092	0.054
10/14/2010				0.1				
4/5/2011				0.092	0.1	0.015	0.085	0.035 (o)
4/6/2011		0.082	0.042					
10/4/2011					0.11	0.01	0.091	0.058
10/5/2011	0.055	0.082						
10/12/2011			0.066	0.12				
4/3/2012					0.116	0.0426	0.101	
4/4/2012				0.105				0.0632
4/9/2012		0.0959	0.0628					
4/10/2012	0.0399							
9/18/2012					0.12	0.02		
9/19/2012			0.073				0.1	0.061
9/24/2012				0.13				
9/25/2012		0.09						
9/26/2012	0.093							
3/12/2013				0.1	0.11	0.35	0.098	0.056
3/13/2013	0.066	0.092	0.057					
9/9/2013					0.13			
9/10/2013			0.066	0.13		0.11	0.11	0.067
9/11/2013	0.053	0.096						
3/5/2014				0.084	0.12	0.054	0.087	0.055
3/11/2014	0.039	0.085	0.054					
9/3/2014			0.06					0.051
9/8/2014					0.13	0.044		
9/9/2014	0.14	0.096		0.11			0.1	

# Time Series

Constituent: Barium (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				0.11		0.065		0.059
4/22/2015					0.14		0.095	
4/23/2015		0.093	0.06					
9/29/2015				0.097	0.14	0.036	0.093	0.06
9/30/2015	0.15	0.096	0.076					
3/23/2016		0.0938	0.0533	0.0993	0.156	0.263	0.0918	0.0636
3/24/2016	0.046							
5/17/2016				0.104	0.168			
5/18/2016	0.0557	0.0983				0.245	0.0957	0.0629
5/19/2016			0.074					
7/6/2016				0.104	0.171	0.117	0.0935	0.0646
7/7/2016	0.0596	0.121	0.0766					
9/7/2016				0.0945	0.154	0.0703		
9/8/2016	0.184	0.0917	0.0726				0.0925	0.063
10/18/2016				0.0928	0.159	0.068	0.0939	
10/19/2016	0.186	0.091	0.072					0.0644
12/7/2016	0.174	0.0868	0.0732					
12/8/2016				0.1	0.156	0.0791	0.0996	0.0648
2/1/2017				0.0972	0.163			
2/2/2017	0.0783	0.0939				0.17	0.096	0.0656
2/3/2017			0.0619					
3/23/2017				0.105	0.161			
3/24/2017						0.181	0.106	
3/27/2017	0.0363	0.0905	0.0602					0.0619
10/4/2017				0.102	0.171	0.0937		
10/5/2017	0.0562	0.0945	0.0734				0.103	0.0655
3/14/2018							0.1	
3/15/2018	0.086	0.096	0.053			0.15		0.062
3/16/2018				0.091	0.17			
10/4/2018	0.079	0.1		0.084	0.19	0.08	0.11	
10/5/2018			0.065					0.07
4/8/2019			0.059		0.15	0.24	0.13	0.058
4/9/2019	0.05	0.094		0.067				
6/18/2019							0.17	
10/1/2019	0.18	0.1	0.082	0.09	0.18	0.085	0.12	0.071
3/26/2020			0.071					
3/27/2020							0.14	0.06
3/30/2020						0.21		
3/31/2020	0.044	0.1		0.064	0.18			
9/23/2020		0.1	0.079					
9/24/2020	0.19					0.11	0.14	0.06
9/25/2020				0.074	0.16			
3/9/2021	0.12	0.089	0.085	0.063	0.17	0.31	0.14	0.059
8/10/2021	0.057	0.091	0.085	0.077	0.18	0.14	0.23	0.067
9/28/2021							0.2 (R)	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.0005		<0.0005	<0.0005	<0.0005			<0.0005	
3/7/2007		<0.0005				<0.0005	<0.0005		<0.0005
5/8/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
5/9/2007							<0.0005	<0.0005	<0.0005
7/7/2007	<0.0005		<0.0005						
7/17/2007		<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/28/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8/29/2007									<0.0005
11/6/2007	<0.0005		<0.0005	<0.0005	<0.0005				
11/7/2007		<0.0005				<0.0005	<0.0005	<0.0005	<0.0005
5/7/2008							<0.0005	<0.0005	<0.0005
5/8/2008				<0.0005	<0.0005				
5/9/2008	<0.0005	<0.0005	<0.0005			<0.0005			
12/2/2008		<0.0005				<0.0005			
12/3/2008	<0.0005		<0.0005	<0.0005	<0.0005		<0.0005		
12/4/2008								<0.0005	
12/5/2008									<0.0005
4/7/2009	<0.0005		<0.0005	<0.0005	<0.0005				
4/8/2009		<0.0005				<0.0005			
4/14/2009							<0.0005	<0.0005	<0.0005
9/30/2009									<0.0005
10/1/2009	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005		
10/2/2009				<0.0005	<0.0005			<0.0005	
4/13/2010			<0.0005				<0.0005	<0.0005	<0.0005
4/14/2010	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
10/7/2010			<0.0005						
10/12/2010							<0.0005	<0.0005	<0.0005
10/13/2010	<0.0005	<0.0005				<0.0005			
10/14/2010				<0.0005	<0.0005				
4/5/2011				<0.0005	<0.0005				
4/6/2011	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	
10/4/2011		<0.0005				<0.0005			
10/6/2011			<0.0005						
10/10/2011	<0.0005								
10/12/2011				<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
4/3/2012	<0.0005		<0.0005						
4/4/2012				<0.0005	<0.0005				
4/5/2012							<0.0005	<0.0005	
4/9/2012									<0.0005
4/10/2012		<0.0005				<0.0005			
9/19/2012			<0.0005				<0.0005		
9/24/2012	<0.0005				<0.0005				
9/25/2012								<0.0005	<0.0005
9/26/2012		<0.0005		<0.0005		<0.0005			
3/12/2013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
3/13/2013							<0.0005	<0.0005	<0.0005
9/9/2013			<0.0005						
9/10/2013		<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		
9/11/2013	<0.0005							<0.0005	<0.0005
3/4/2014	<0.0005	<0.0005	<0.0005			<0.0005			
3/10/2014							<0.0005	<0.0005	<0.0005
3/11/2014				<0.0005	<0.0005				

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005		
9/8/2014				<0.0005	<0.0005				
9/9/2014								<0.0005	<0.0005
4/21/2015	<0.0005	<0.0005		8E-05 (J)	<0.0005	<0.0005			
4/22/2015			<0.0005				<0.0005	<0.0005	
4/23/2015									<0.0005
9/29/2015		<0.0005		<0.0005	<0.0005				
9/30/2015	<0.0005		<0.0005			<0.0005	<0.0005	<0.0005	<0.0005
3/22/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
3/23/2016						<0.0005			<0.0005
3/24/2016							<0.0005	<0.0005	
5/17/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
5/18/2016							<0.0005	<0.0005	<0.0005
7/5/2016	<0.0005		<0.0005	<0.0005					
7/6/2016		<0.0005			<0.0005	<0.0005		<0.0005	
7/7/2016							<0.0005		<0.0005
9/7/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/8/2016							<0.0005	<0.0005	<0.0005
10/18/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
10/19/2016							<0.0005		<0.0005
12/6/2016	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
12/7/2016			<0.0005					<0.0005	<0.0005
12/8/2016							<0.0005		
1/31/2017	<0.0005		<0.0005						
2/1/2017		<0.0005		<0.0005	<0.0005				
2/2/2017						<0.0005	<0.0005	<0.0005	
2/3/2017									<0.0005
3/23/2017	<0.0005		<0.0005	<0.0005					
3/24/2017		<0.0005			<0.0005				
3/27/2017						<0.0005	<0.0005	<0.0005	<0.0005
10/4/2017	<0.0005		<0.0005	<0.0005	<0.0005				
10/5/2017		<0.0005				<0.0005	<0.0005	<0.0005	<0.0005
3/14/2018	<0.0005		<0.0005						
3/15/2018		<0.0005		<0.0005	<0.0005	<0.0005		<0.0005	
3/16/2018							<0.0005		<0.0005
10/4/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
10/5/2018							<0.0005		<0.0005
4/5/2019				<0.0005					
4/8/2019	<0.0005	<0.0005	<0.0005		<0.0005				
4/9/2019						<0.0005	<0.0005	<0.0005	<0.0005
9/30/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
10/1/2019						<0.0005	<0.0005	<0.0005	<0.0005
3/26/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
3/27/2020						<0.0005			
3/30/2020							<0.0005		
3/31/2020								<0.0005	<0.0005
9/21/2020			<0.0005						
9/22/2020		<0.0005							
9/23/2020	<0.0005			<0.0005	<0.0005				<0.0005
9/24/2020							<0.0005		
9/25/2020						<0.0005			
9/28/2020								0.0001 (J)	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/21/2021 1:23 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.0005	<0.0005		<0.0005	<0.0005				
3/9/2021			<0.0005			<0.0005	<0.0005		
3/10/2021								<0.0005	<0.0005
8/9/2021	<0.0005		<0.0005	<0.0005	<0.0005				
8/10/2021		<0.0005				<0.0005	<0.0005	<0.0005	<0.0005

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.0005	<0.0005	<0.0005					
3/7/2007				<0.0005	<0.0005			<0.0005
5/8/2007				<0.0005				<0.0005
5/9/2007	<0.0005	<0.0005	<0.0005		<0.0005	0.28 (o)	<0.0005	
7/6/2007				<0.0005		0.093	<0.0005	<0.0005
7/17/2007	<0.0005	<0.0005	<0.0005		<0.0005			
8/28/2007				<0.0005	<0.0005	0.057	<0.0005	<0.0005
8/29/2007	<0.0005	<0.0005	<0.0005					
11/6/2007				<0.0005	<0.0005	0.036	<0.0005	<0.0005
11/7/2007	<0.0005	<0.0005	<0.0005					
5/7/2008	<0.0005	<0.0005	<0.0005					
5/8/2008				<0.0005	<0.0005	0.013	<0.0005	<0.0005
12/2/2008						0.01	<0.0005	<0.0005
12/3/2008				<0.0005	<0.0005			
12/5/2008	<0.0005	<0.0005	<0.0005					
4/7/2009				<0.0005	<0.0005			
4/8/2009						0.0076	<0.0005	<0.0005
4/14/2009		<0.0005	<0.0005					
4/27/2009	<0.0005							
9/30/2009	<0.0005	<0.0005					<0.0005	<0.0005
10/1/2009			<0.0005	<0.0005	<0.0005	0.0057		
4/13/2010	<0.0005	<0.0005			<0.0005	0.0061	<0.0005	<0.0005
4/14/2010			<0.0005	<0.0005				
10/6/2010					<0.0005			
10/7/2010						0.0039		
10/12/2010	<0.0005	<0.0005						
10/13/2010			<0.0005				<0.0005	<0.0005
10/14/2010				<0.0005				
4/5/2011				<0.0005	<0.0005	0.0025	<0.0005	<0.0005
4/6/2011		<0.0005	<0.0005					
10/4/2011					<0.0005	0.0024	<0.0005	<0.0005
10/5/2011	<0.0005	<0.0005						
10/12/2011			<0.0005	<0.0005				
4/3/2012					<0.0005	0.0008	<0.0005	
4/4/2012				<0.0005				<0.0005
4/9/2012		<0.0005	<0.0005					
4/10/2012	<0.0005							
9/18/2012					<0.0005	0.002		
9/19/2012			<0.0005				<0.0005	<0.0005
9/24/2012				<0.0005				
9/25/2012		<0.0005						
9/26/2012	<0.0005							
3/12/2013				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/13/2013	<0.0005	<0.0005	<0.0005					
9/9/2013					<0.0005			
9/10/2013			<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
9/11/2013	<0.0005	<0.0005						
3/5/2014				<0.0005	<0.0005	0.00037 (J)	<0.0005	<0.0005
3/11/2014	<0.0005	<0.0005	<0.0005					
9/3/2014			<0.0005					<0.0005
9/8/2014					<0.0005	0.00055 (J)		
9/9/2014	<0.0005	<0.0005		<0.0005			<0.0005	



# Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				<0.0005		0.00033 (J)		<0.0005
4/22/2015					<0.0005		<0.0005	
4/23/2015		<0.0005	<0.0005					
9/29/2015				<0.0005	<0.0005	0.00046 (J)	<0.0005	<0.0005
9/30/2015	<0.0005	<0.0005	<0.0005					
3/23/2016		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/24/2016	<0.0005							
5/17/2016				<0.0005	<0.0005			
5/18/2016	<0.0005	<0.0005				<0.0005	<0.0005	<0.0005
5/19/2016			<0.0005					
7/6/2016				<0.0005	<0.0005	0.0002 (J)	<0.0005	<0.0005
7/7/2016	<0.0005	<0.0005	<0.0005					
9/7/2016				<0.0005	<0.0005	0.0002 (J)		
9/8/2016	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
10/18/2016				<0.0005	<0.0005	0.0002 (J)	<0.0005	
10/19/2016	<0.0005	<0.0005	<0.0005					<0.0005
12/7/2016	<0.0005	<0.0005	<0.0005					
12/8/2016				<0.0005	<0.0005	0.0003 (J)	<0.0005	<0.0005
2/1/2017				<0.0005	<0.0005			
2/2/2017	<0.0005	<0.0005				<0.0005	<0.0005	<0.0005
2/3/2017			<0.0005					
3/23/2017				<0.0005	<0.0005			
3/24/2017						<0.0005	<0.0005	
3/27/2017	<0.0005	<0.0005	<0.0005					<0.0005
10/4/2017				<0.0005	<0.0005	0.0001 (J)		
10/5/2017	<0.0005	<0.0005	<0.0005				<0.0005	<0.0005
3/14/2018							<0.0005	
3/15/2018	<0.0005	<0.0005	<0.0005			<0.0005		<0.0005
3/16/2018				<0.0005	<0.0005			
10/4/2018	<0.0005	<0.0005		<0.0005	<0.0005	0.0002 (J)	<0.0005	
10/5/2018			<0.0005					<0.0005
4/8/2019			<0.0005		<0.0005	5.8E-05 (J)	<0.0005	<0.0005
4/9/2019	<0.0005	<0.0005		<0.0005				
10/1/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0001 (J)	<0.0005	<0.0005
3/26/2020			<0.0005					
3/27/2020							<0.0005	<0.0005
3/30/2020						<0.0005		
3/31/2020	<0.0005	<0.0005		<0.0005	<0.0005			
9/23/2020		<0.0005	<0.0005					
9/24/2020	<0.0005					5E-05 (J)	<0.0005	<0.0005
9/25/2020				<0.0005	<0.0005			
3/9/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/10/2021	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	6.1E-05 (J)	<0.0005	<0.0005

# Time Series

Constituent: Boron (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	<0.1	0.04 (J)	0.0828 (J)	0.135	0.0815 (J)				
3/23/2016						0.0354 (J)			<0.1
3/24/2016							0.122	0.173	
5/17/2016	<0.1	0.0358 (J)	0.0844 (J)	0.132	0.0838 (J)	0.0349 (J)			
5/18/2016							0.139	0.186	0.0229 (J)
7/5/2016	0.0419 (J)		0.0962 (J)	0.161					
7/6/2016		0.0373 (J)			0.111	0.0308 (J)		0.184	
7/7/2016							0.12		0.0169 (J)
9/7/2016	0.0174 (J)	0.0352 (J)	0.0884 (J)	0.163	0.107	0.0283 (J)			
9/8/2016							0.126	0.173	0.0178 (J)
10/18/2016	0.0192 (J)	0.0332 (J)	0.0889 (J)	0.154	0.118	0.0292 (J)		0.171	
10/19/2016							0.133		0.018 (J)
12/6/2016	0.0182 (J)	0.033 (J)		0.142	0.106	0.0287 (J)			
12/7/2016			0.0954					0.203	0.0248 (J)
12/8/2016							0.119		
1/31/2017	0.0193 (J)		0.0939						
2/1/2017		0.0365 (J)		0.143	0.0949				
2/2/2017						0.0334 (J)	0.132	0.187	
2/3/2017									0.0171 (J)
3/23/2017	0.0192 (J)		0.0869	0.15					
3/24/2017		0.0343 (J)			0.0887				
3/27/2017						0.0396 (J)	0.134	0.182	0.0181 (J)
10/4/2017	0.0199 (J)		0.0914	0.182	0.105				
10/5/2017		0.0325 (J)				0.0294 (J)	0.125	0.166	0.0178 (J)
3/14/2018	0.019 (J)		0.075						
3/15/2018		0.037 (J)		0.14	0.043	0.038 (J)		0.17	
3/16/2018							0.12		0.016 (J)
10/4/2018	0.021 (J)	0.035 (J)	0.082	0.16	0.1	0.038 (J)		0.17	
10/5/2018							0.15		0.017 (J)
4/5/2019				0.12					
4/8/2019	0.019 (J)	0.034 (J)	0.071 (J)		0.057 (J)				
4/9/2019						0.035 (J)	0.12	0.17	0.011 (J)
9/30/2019	0.025 (J)	0.039 (J)	0.084	0.17	0.11				
10/1/2019						0.031 (J)	0.14	0.17	0.019 (J)
3/26/2020	0.022 (J)	0.041 (J)	0.092 (J)	0.14	0.086 (J)				
3/27/2020						0.04 (J)			
3/30/2020							0.13		
3/31/2020								0.18	0.024 (J)
9/21/2020			0.086 (J)						
9/22/2020		0.038 (J)							
9/23/2020	0.047 (J)			0.15	0.087 (J)				0.018 (J)
9/24/2020							0.13		
9/25/2020						0.036 (J)			
9/28/2020								0.17	
3/8/2021	0.021 (J)	0.042		0.13	0.089				
3/9/2021			0.081			0.037 (J)	0.13		
3/10/2021								0.16	0.018 (J)
8/9/2021	0.021 (J)		0.085	0.14	0.073				
8/10/2021		0.034 (J)				0.033 (J)	0.14	0.14	0.013 (J)

# Time Series

Constituent: Boron (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		0.0649 (J)	<0.1	0.0509 (J)	0.0379 (J)	0.0574 (J)	0.0213 (J)	<0.1
3/24/2016	0.0232 (J)							
5/17/2016				0.0565 (J)	0.0395 (J)			
5/18/2016	0.0289 (J)	0.0781 (J)				0.0686 (J)	0.028 (J)	0.0202 (J)
5/19/2016			0.0212 (J)					
7/6/2016				0.0628 (J)	0.0393 (J)	0.0675 (J)	0.0231 (J)	0.0171 (J)
7/7/2016	0.0313 (J)	0.0621 (J)	0.0183 (J)					
9/7/2016				0.0648 (J)	0.04 (J)	0.0582 (J)		
9/8/2016	0.0593 (J)	0.0607 (J)	0.017 (J)				0.0234 (J)	0.0157 (J)
10/18/2016				0.0666 (J)	0.0366 (J)	0.0577 (J)	0.0228 (J)	
10/19/2016	0.087 (J)	0.0733 (J)	0.0203 (J)					0.0152 (J)
12/7/2016	0.127	0.0758	0.0215 (J)					
12/8/2016				0.062	0.0397 (J)	0.0572	0.0251 (J)	0.0178 (J)
2/1/2017				0.0516	0.0381 (J)			
2/2/2017	0.0318 (J)	0.0729				0.0534	0.0238 (J)	0.0151 (J)
2/3/2017			0.0812					
3/23/2017				0.0597	0.0416			
3/24/2017						0.0532	0.0234 (J)	
3/27/2017	0.0225 (J)	0.0698	0.125					0.0203 (J)
10/4/2017				0.0658	0.0382 (J)	0.0563		
10/5/2017	0.0304 (J)	0.0677	0.0375 (J)				0.0329 (J)	0.0157 (J)
3/14/2018							0.024 (J)	
3/15/2018	0.025 (J)	0.07	0.051			0.053		0.013 (J)
3/16/2018				0.047	0.044			
5/16/2018					0.042			
10/4/2018	0.029 (J)	0.065		0.066	0.038 (J)	0.048	0.047 (J)	
10/5/2018			0.039 (J)					0.017 (J)
4/8/2019			0.022 (J)		0.036 (J)	0.049 (J)	0.055 (J)	0.015 (J)
4/9/2019	0.014 (J)	0.063		0.048				
10/1/2019	0.059	0.066	0.024 (J)	0.071	0.042	0.05	0.046	0.018 (J)
3/26/2020			0.042 (J)					
3/27/2020							0.056 (J)	0.018 (J)
3/30/2020						0.049 (J)		
3/31/2020	0.022 (J)	0.067 (J)		0.057 (J)	0.091 (J)			
6/18/2020					0.045 (JR)			
6/19/2020							0.086 (JR)	
9/23/2020		0.061 (J)	0.024 (J)					
9/24/2020	0.061 (J)					0.045 (J)	0.055 (J)	0.016 (J)
9/25/2020				0.08 (J)	0.047 (J)			
3/9/2021	0.03 (J)	0.065	0.044	0.046	0.038 (J)	0.041	0.05	0.014 (J)
8/10/2021	0.026 (J)	0.057	0.027 (J)	0.056	0.037 (J)	0.037 (J)	0.088	0.012 (J)

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.0005		<0.0005	<0.0005	<0.0005			<0.0005	
3/7/2007		<0.0005				<0.0005	<0.0005		<0.0005
5/8/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
5/9/2007							<0.0005	<0.0005	<0.0005
7/7/2007	<0.0005		<0.0005						
7/17/2007		<0.0005		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
8/28/2007	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	
8/29/2007									<0.0005
11/6/2007	<0.0005		<0.0005	<0.0005	<0.0005				
11/7/2007		<0.0005				<0.0005	<0.0005	<0.0005	<0.0005
5/7/2008							<0.0005	<0.0005	<0.0005
5/8/2008				<0.0005	<0.0005				
5/9/2008	<0.0005	<0.0005	<0.0005			<0.0005			
12/2/2008		<0.0005				<0.0005			
12/3/2008	<0.0005		<0.0005	<0.0005	<0.0005		<0.0005		
12/4/2008								<0.0005	
12/5/2008									<0.0005
4/7/2009	<0.0005		<0.0005	<0.0005	<0.0005				
4/8/2009		<0.0005				<0.0005			
4/14/2009							<0.0005	<0.0005	<0.0005
9/30/2009									<0.0005
10/1/2009	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005		
10/2/2009				<0.0005	<0.0005			<0.0005	
4/13/2010			<0.0005				<0.0005	<0.0005	<0.0005
4/14/2010	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
10/7/2010			<0.0005						
10/12/2010							<0.0005	<0.0005	<0.0005
10/13/2010	<0.0005	<0.0005				<0.0005			
10/14/2010				<0.0005	<0.0005				
4/5/2011				<0.0005	<0.0005				
4/6/2011	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	
10/4/2011		<0.0005				<0.0005			
10/6/2011			<0.0005						
10/10/2011	<0.0005								
10/12/2011				<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
4/3/2012	<0.0005		<0.0005						
4/4/2012				<0.0005	<0.0005				
4/5/2012							<0.0005	<0.0005	
4/9/2012									<0.0005
4/10/2012		<0.0005				<0.0005			
9/19/2012			<0.0005				<0.0005		
9/24/2012	<0.0005				<0.0005				
9/25/2012								<0.0005	<0.0005
9/26/2012		<0.0005		<0.0005		<0.0005			
3/12/2013	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
3/13/2013							<0.0005	<0.0005	<0.0005
9/9/2013			<0.0005						
9/10/2013		<0.0005		<0.0005	<0.0005	<0.0005	<0.0005		
9/11/2013	<0.0005							<0.0005	<0.0005
3/4/2014	<0.0005	<0.0005	<0.0005			<0.0005			
3/10/2014							<0.0005	<0.0005	<0.0005
3/11/2014				<0.0005	<0.0005				

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.0005	<0.0005	<0.0005			<0.0005	<0.0005		
9/8/2014				<0.0005	<0.0005				
9/9/2014								<0.0005	<0.0005
4/21/2015	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
4/22/2015			<0.0005				<0.0005	<0.0005	
4/23/2015									<0.0005
9/29/2015		<0.0005		<0.0005	<0.0005				
9/30/2015	<0.0005		<0.0005			<0.0005	<0.0005	<0.0005	<0.0005
3/22/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
3/23/2016						<0.0005			<0.0005
3/24/2016							<0.0005	<0.0005	
5/17/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
5/18/2016							<0.0005	<0.0005	<0.0005
7/5/2016	<0.0005		<0.0005	<0.0005					
7/6/2016		<0.0005			<0.0005	<0.0005		<0.0005	
7/7/2016							<0.0005		<0.0005
9/7/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005			
9/8/2016							<0.0005	<0.0005	<0.0005
10/18/2016	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
10/19/2016							<0.0005		<0.0005
12/6/2016	<0.0005	<0.0005		<0.0005	<0.0005	<0.0005			
12/7/2016			<0.0005					<0.0005	<0.0005
12/8/2016							<0.0005		
1/31/2017	<0.0005		<0.0005						
2/1/2017		<0.0005		<0.0005	0.0001 (J)				
2/2/2017						9E-05 (J)	8E-05 (J)	<0.0005	
2/3/2017									<0.0005
3/23/2017	<0.0005		<0.0005	<0.0005					
3/24/2017		<0.0005			<0.0005				
3/27/2017						<0.0005	<0.0005	<0.0005	<0.0005
10/4/2017	<0.0005		<0.0005	<0.0005	<0.0005				
10/5/2017		<0.0005				<0.0005	<0.0005	<0.0005	<0.0005
3/14/2018	<0.0005		<0.0005						
3/15/2018		<0.0005		<0.0005	<0.0005	<0.0005		<0.0005	
3/16/2018							<0.0005		<0.0005
10/4/2018	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005		<0.0005	
10/5/2018							<0.0005		0.00011 (J)
4/5/2019				<0.0005					
4/8/2019	<0.0005	<0.0005	<0.0005		<0.0005				
4/9/2019						<0.0005	<0.0005	<0.0005	<0.0005
9/30/2019	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
10/1/2019						<0.0005	<0.0005	<0.0005	<0.0005
3/26/2020	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005				
3/27/2020						<0.0005			
3/30/2020							<0.0005		
3/31/2020								<0.0005	<0.0005
9/21/2020			<0.0005						
9/22/2020		<0.0005							
9/23/2020	<0.0005			<0.0005	<0.0005				<0.0005
9/24/2020							<0.0005		
9/25/2020						<0.0005			
9/28/2020								<0.0005	

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/21/2021 1:23 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.0005	<0.0005		<0.0005	<0.0005				
3/9/2021			<0.0005			<0.0005	<0.0005		
3/10/2021								<0.0005	<0.0005
8/9/2021	<0.0005		<0.0005	<0.0005	<0.0005				
8/10/2021		<0.0005				<0.0005	<0.0005	<0.0005	<0.0005

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.0005	<0.0005	<0.0005					
3/7/2007				0.0015	<0.0005			<0.0005
5/8/2007				<0.0005				<0.0005
5/9/2007	<0.0005	<0.0005	<0.0005		<0.0005	0.023 (o)	<0.0005	
7/6/2007				<0.0005		0.0081 (o)	<0.0005	<0.0005
7/17/2007	<0.0005	<0.0005	<0.0005		<0.0005			
8/28/2007				<0.0005	<0.0005	0.0035	<0.0005	<0.0005
8/29/2007	<0.0005	<0.0005	<0.0005					
11/6/2007				<0.0005	<0.0005	0.0028	<0.0005	<0.0005
11/7/2007	<0.0005	<0.0005	<0.0005					
5/7/2008	<0.0005	<0.0005	<0.0005					
5/8/2008				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
12/2/2008						<0.0005	<0.0005	<0.0005
12/3/2008				<0.0005	<0.0005			
12/5/2008	<0.0005	<0.0005	<0.0005					
4/7/2009				<0.0005	<0.0005			
4/8/2009						0.0013	<0.0005	<0.0005
4/14/2009		<0.0005	<0.0005					
4/27/2009	<0.0005							
9/30/2009	<0.0005	<0.0005					<0.0005	<0.0005
10/1/2009			<0.0005	<0.0005	<0.0005	<0.0005		
4/13/2010	<0.0005	<0.0005			<0.0005	<0.0005	<0.0005	<0.0005
4/14/2010			<0.0005	<0.0005				
10/6/2010					<0.0005			
10/7/2010						<0.0005		
10/12/2010	<0.0005	<0.0005						
10/13/2010			<0.0005				<0.0005	<0.0005
10/14/2010				<0.0005				
4/5/2011				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
4/6/2011		<0.0005	<0.0005					
10/4/2011					<0.0005	<0.0005	<0.0005	<0.0005
10/5/2011	<0.0005	<0.0005						
10/12/2011			<0.0005	<0.0005				
4/3/2012					<0.0005	<0.0005	<0.0005	
4/4/2012				<0.0005				<0.0005
4/9/2012		<0.0005	<0.0005					
4/10/2012	<0.0005							
9/18/2012					<0.0005	<0.0005		
9/19/2012			<0.0005				<0.0005	<0.0005
9/24/2012				<0.0005				
9/25/2012		<0.0005						
9/26/2012	<0.0005							
3/12/2013				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/13/2013	<0.0005	<0.0005	<0.0005					
9/9/2013					<0.0005			
9/10/2013			<0.0005	<0.0005		<0.0005	<0.0005	<0.0005
9/11/2013	<0.0005	<0.0005						
3/5/2014				<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
3/11/2014	<0.0005	<0.0005	<0.0005					
9/3/2014			<0.0005					<0.0005
9/8/2014					<0.0005	<0.0005		
9/9/2014	<0.0005	<0.0005		<0.0005			<0.0005	





# Time Series

Constituent: Calcium (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	13.9	23.8	47.4	79.3	123				
3/23/2016						43.9			56.3
3/24/2016							40.7	43.9	
5/17/2016	15.6	21.5	45.5	75.8	99.2	40.1			
5/18/2016							41.9	48.2	59
7/5/2016	15.7		40.5	65.3					
7/6/2016		20.6			109	32.3		45.8	
7/7/2016							36.8		50.9
9/7/2016	18.2	16.7	37.3	59.8	67.2	28.9			
9/8/2016							35.9	40.9	48
10/18/2016	17.7	20.3	46.6	72.4	77.9	35.4		45.5	
10/19/2016							38.7		49.7
12/6/2016	16.9	19.7		78.6	93.3	34.3			
12/7/2016			43.5					40.6	46.4
12/8/2016							39.4		
1/31/2017	17.9		39.2						
2/1/2017		18.1		85	92.8				
2/2/2017						38.1	41.5	42.4	
2/3/2017									49
3/23/2017	13.9		38.7	81.2					
3/24/2017		21.1			96.3				
3/27/2017						45.4	39.1	45.5	50.7
10/4/2017	15.9		36.5	78.8	75.1				
10/5/2017		20.1				35.8	41.6	42.9	52
3/14/2018	<25		39.5						
3/15/2018		<25		83.5	69.9	52.4		43.3	
3/16/2018							45.9		53.4
5/15/2018						48.4			
5/16/2018							40		
10/4/2018	15.9 (J)	21.3 (J)	41.7	75.2	77.8	51.2		43.7	
10/5/2018							39.6		52.7
12/11/2018						49.3			
4/5/2019				76.5					
4/8/2019	15.7	22.4	44.1		86.6				
4/9/2019						48.8	41.4	45.8	57.1
9/30/2019	17.6	19.6	44.6	74.7	78.3				
10/1/2019						36.8	38.7	42.3	59.1
3/26/2020	14	22.4	43.2	78.7	87.4				
3/27/2020						22.9			
3/30/2020							45.7		
3/31/2020								52.3	63.6
6/19/2020								41.3 (R)	61.4 (R)
9/21/2020			45.8						
9/22/2020		19.5							
9/23/2020	17.6			76.2	74.9				55.8
9/24/2020							36.9		
9/25/2020						39.4			
9/28/2020								44.7	
3/8/2021	16.2 (M1)	22		73.5	87.2				
3/9/2021			48.7			48.7	44.9		
3/10/2021								47.4	64.9
8/9/2021	20.2		49.9	73.2	69.7				

# Time Series

Constituent: Calcium (mg/L) Analysis Run 10/21/2021 1:23 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
8/10/2021		20.8				45.5	48.2	44.9	62

# Time Series

Constituent: Calcium (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		49.9	36.4	79	64.1	45.2	69.1	36
3/24/2016	31.4							
5/17/2016				74.6	62.8			
5/18/2016	39.2	50.7				46.5	63.7	37.3
5/19/2016			41.5					
7/6/2016				66.9	59.5	29.1	56.8	32.8
7/7/2016	36	45.5	33.5					
9/7/2016				61.6	53.7	19.2		
9/8/2016	70	46.8	34.7				51.3	32.1
10/18/2016				71.6	62.3	22.6	52.6	
10/19/2016	63	47.3	33.4					35
12/7/2016	54.7	45.3	35.5					
12/8/2016				67.6	58.8	17.5	43.7	33.4
2/1/2017				82.5	59.6			
2/2/2017	37.4	49.9				54.4	56.5	34.3
2/3/2017			31.7					
3/23/2017				84.4	62.9			
3/24/2017						56.8	64.4	
3/27/2017	20.9	45.8	32					34.9
10/4/2017				70.8	62.4	30.5		
10/5/2017	26.8	47.3	41				59.9	34.7
3/14/2018							58.8	
3/15/2018	62.8	46.8	39.8			43.4		35.3
3/16/2018				78.1	66.9			
10/4/2018	48.6	50.4		73	65.5	26.1	264 (o)	
10/5/2018			39.3					37.8
12/11/2018							64.3	
4/8/2019			39.8		67	56.1	81.5	36.3
4/9/2019	35.4	47.3		73.9				
6/18/2019							83.7	
6/27/2019							75.9	
10/1/2019	82.8	46.9	39.1	70.6	64.2	28.5	64	37.2
11/6/2019	74.9							
11/26/2019	45.8							
3/26/2020			44.7					
3/27/2020							87.3	34.3
3/30/2020						47.8		
3/31/2020	25.6	51.5		84.2	70.6			
9/23/2020		45.9	39.2					
9/24/2020	73.4					39.5	81.4	35.9
9/25/2020				77.1	71.3			
3/9/2021	67.8	48.7	54.3	85.4	70.8	64.3	83.2	36.8
8/10/2021	29.7	48.1	48.2	78.3	67.7	40.5	111	38.1

# Time Series

Constituent: Chloride (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	1.1933	1.3137	2.0975	4.0352	5.549				
3/23/2016						1.3507			1.4238
3/24/2016							1.1313	1.6497	
5/17/2016	1.14	1.29	2.1	3.81	6.74	1.28			
5/18/2016								1.74	1.57
5/19/2016							1.13		
7/5/2016	1.4		2.4	4					
7/6/2016		1.6			5.2	1.5		2.1	
7/7/2016							1.5		1.7
9/7/2016	1	1.5	2.5	4.2	7.2	1.5			
9/8/2016							1.4	1.9	1.5
10/18/2016	1.1	1.6	2.7	4.4	7.4	1.4		2.1	
10/19/2016							1.4		1.7
12/6/2016	1	1.2		4.6	7.6	1.3			
12/7/2016			2.6					2	1.8
12/8/2016							1.4		
1/31/2017	1.2		2.5						
2/1/2017		2.1		3.7	8.5				
2/2/2017						1.8	1.6	2.3	
2/3/2017									2
3/23/2017	1.1		2	3.5					
3/24/2017		1.3			7				
3/27/2017						1.7	1.5	2.1	1.8
10/4/2017	1.1		2.2	3.6	7.4				
10/5/2017		1.3				1.5	1.4	1.9	5.5 (o)
12/14/2017									1.5
3/14/2018	1.2		2.4						
3/15/2018		1.6		3.8	1.7	2		1.9	
3/16/2018							1.5		1.9
5/15/2018						1.4			
10/4/2018	1.4	1.8	2.5	3.4	6.1	2.1		2	
10/5/2018							1.5		2.2
12/11/2018						1.9			1.8
4/5/2019				4.2					
4/8/2019	1.1	1.3	2.6		3.6				
4/9/2019						1.9	1.6	1.9	1.8
9/30/2019	1.4	1.5	3	4.1	7.5				
10/1/2019						1.5	0.94 (J)	1.3	1.1
3/26/2020	1.1	1.4	2	2.6	5.4				
3/27/2020						1.2			
3/30/2020							1		
3/31/2020								1.3	1.1
9/21/2020			2.1						
9/22/2020		1							
9/23/2020	1.6			2.8	4.2				1.1
9/24/2020							0.94 (J)		
9/25/2020						1.1			
9/28/2020								1.3	
3/8/2021	1.1	1.3		2.8	5.6				
3/9/2021			2.1			1.1	0.97 (J)		
3/10/2021								1.3	1.2
8/9/2021	1.1		2.4	2.1	3				

# Time Series

Constituent: Chloride (mg/L) Analysis Run 10/21/2021 1:23 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
8/10/2021		1.2				1.2	0.93 (J)	1.2	1.2

# Time Series

Constituent: Chloride (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		1.2595	1.5409	2.5045	1.7709	1.1569	1.4936	0.9561
3/24/2016	2.461							
5/17/2016				2.47	1.75			
5/18/2016	2.61	1.25				1.35		
5/19/2016			1.23				1.35	0.972
7/6/2016				2.9	2	1.9	1.6	1.3
7/7/2016	2.8	1.7	1.7					
9/7/2016				2.8	2	1.7		
9/8/2016	2.3	1.5	1.6				1.4	1
10/18/2016				2.8	2	1.8	1.4	
10/19/2016	2.4	1.6	1.6					1.1
12/7/2016	2.2	1.5	1.7					
12/8/2016				3.1	2	1.6	1.5	1.3
2/1/2017				3.8	2.2			
2/2/2017	3.4	1.8				2	1.7	1.6
2/3/2017			1.9					
3/23/2017				3.4	2			
3/24/2017						1.3	2.1	
3/27/2017	2.7	1.5	1.7					1.4
10/4/2017				3.7	1.7	1.7		
10/5/2017	3.3	1.6	1.4				2	1.1
3/14/2018							2.1	
3/15/2018	3.6	1.7	1.6			1.9		1.3
3/16/2018				3.2	2.1			
5/15/2018	3.2							
10/4/2018	2.4	1.7		3.2	2.2	2	2.3	
10/5/2018			1.6					1.6
12/11/2018							2.3	
1/11/2019							2.8	
4/8/2019			1.5		2.1	1.9	3.2	1
4/9/2019	2.6	1.7		3.3				
10/1/2019	2	1.4	1.1	2.2	1.6	1.2	1.8	0.91 (J)
3/26/2020			0.63 (J)					
3/27/2020							2.5	0.74 (J)
3/30/2020						9.2		
3/31/2020	1.5	1		2	1.5			
6/19/2020						1.4 (R)		
9/23/2020		1.1	1.1					
9/24/2020	1.8					1.4	2.2	0.82 (J)
9/25/2020				2.3	1.6			
3/9/2021	1.8	1	0.85 (J)	2	1.5	1.5	2.2	0.74 (J)
8/10/2021	2	1.1	1	2.3	1.6	1.6	2.7	0.85 (J)

# Time Series

Constituent: Chromium (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	0.0013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									0.0016
11/6/2007	<0.005		<0.005	0.0014	<0.005				
11/7/2007		0.0024				<0.005	<0.005	<0.005	0.0016
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				<0.005				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	0.00032 (J)	<0.005	<0.005			<0.005			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				<0.005	<0.005				

# Time Series

Constituent: Chromium (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	<0.005	<0.005			<0.005	<0.005		
9/8/2014				<0.005	<0.005				
9/9/2014								<0.005	<0.005
4/21/2015	<0.005	<0.005		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		<0.005		<0.005	<0.005				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
5/17/2016	<0.005	<0.005	<0.005	<0.005	<0.005	0.00424 (J)			
5/18/2016							<0.005	<0.005	<0.005
7/5/2016	<0.005		<0.005	<0.005					
7/6/2016		<0.005			<0.005	<0.005		<0.005	
7/7/2016							<0.005		<0.005
9/7/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	<0.005	<0.005
10/18/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/19/2016							<0.005		0.0064 (J)
12/6/2016	<0.005	0.0018 (J)		<0.005	<0.005	0.0013 (J)			
12/7/2016			<0.005					<0.005	<0.005
12/8/2016							<0.005		
1/31/2017	<0.005		<0.005						
2/1/2017		<0.005		<0.005	<0.005				
2/2/2017						0.001 (J)	<0.005	<0.005	
2/3/2017									<0.005
3/23/2017	<0.005		<0.005	<0.005					
3/24/2017		<0.005			0.0004 (J)				
3/27/2017						<0.005	<0.005	<0.005	<0.005
10/4/2017	<0.005		<0.005	<0.005	<0.005				
10/5/2017		<0.005				<0.005	<0.005	0.0012 (J)	<0.005
3/14/2018	0.016		<0.005						
3/15/2018		<0.005		<0.005	<0.005	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				<0.005					
4/8/2019	<0.005	<0.005	<0.005		<0.005				
4/9/2019						<0.005	<0.005	<0.005	<0.005
9/30/2019	<0.005	<0.005	<0.005	<0.005	<0.005				
10/1/2019						<0.005	0.00086 (J)	<0.005	<0.005
3/26/2020	<0.005	<0.005	0.00043 (J)	0.00062 (J)	0.0013 (J)				
3/27/2020						<0.005			
3/30/2020							0.00071 (J)		
3/31/2020								0.00042 (J)	<0.005
9/21/2020			<0.005						
9/22/2020		<0.005							
9/23/2020	<0.005			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								0.00063 (J)	



# Time Series

Constituent: Chromium (mg/L) Analysis Run 10/21/2021 1:23 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.005	<0.005		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005
8/9/2021	<0.005		<0.005	<0.005	<0.005				
8/10/2021		<0.005				<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Chromium (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				0.0013
5/9/2007	<0.005	0.002	0.0013		<0.005	0.11 (o)	<0.005	
7/6/2007				<0.005		0.0029	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	0.0038	<0.005	0.0014
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	<0.005	0.0035	0.0024
11/7/2007	<0.005	0.0013	<0.005					
5/7/2008	<0.005	<0.005	<0.005					
5/8/2008				<0.005	<0.005	<0.005	<0.005	<0.005
12/2/2008						<0.005	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						<0.005	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	<0.005							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	0.0016		
4/13/2010	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						<0.005		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	<0.005	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	0.0018	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	<0.005	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	<0.005		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	<0.005							
3/12/2013				<0.005	<0.005	<0.005	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		<0.005	0.0017	<0.005
9/11/2013	<0.005	<0.005						
3/5/2014				<0.005	<0.005	<0.005	<0.005	<0.005
3/11/2014	<0.005	<0.005	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	<0.005		
9/9/2014	0.0015	<0.005		<0.005			<0.005	



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		<0.005				<0.005	<0.005	<0.005	<0.005
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				0.0016				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	0.002	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	0.00043 (J)	0.00047 (J)	<0.005			<0.005			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				<0.005	<0.005				

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	0.00076 (J)	0.00065 (J)	<0.005			<0.005	<0.005		
9/8/2014				<0.005	0.001 (J)				
9/9/2014								<0.005	<0.005
4/21/2015	0.00051 (J)	0.00062 (J)		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		0.0009 (J)		<0.005	0.0025 (J)				
9/30/2015	0.0006 (J)		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
5/17/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/18/2016							<0.005	<0.005	<0.005
7/5/2016	0.0004 (J)		<0.005	0.0003 (J)					
7/6/2016		0.0009 (J)			0.0004 (J)	<0.005		<0.005	
7/7/2016							<0.005		<0.005
9/7/2016	<0.005	0.0011 (J)	<0.005	<0.005	0.0008 (J)	<0.005			
9/8/2016							<0.005	<0.005	<0.005
10/18/2016	<0.005	0.0011 (J)	<0.005	<0.005	<0.005	<0.005		<0.005	
10/19/2016							<0.005		<0.005
12/6/2016	0.0006 (J)	0.0011 (J)		0.0007 (J)	0.0026 (J)	<0.005			
12/7/2016			<0.005					<0.005	<0.005
12/8/2016							<0.005		
1/31/2017	0.0006 (J)		<0.005						
2/1/2017		0.0011 (J)		<0.005	0.0013 (J)				
2/2/2017						<0.005	<0.005	<0.005	
2/3/2017									<0.005
3/23/2017	0.0007 (J)		<0.005	<0.005					
3/24/2017		0.0008 (J)			0.0014 (J)				
3/27/2017						<0.005	<0.005	<0.005	<0.005
10/4/2017	0.0006 (J)		<0.005	<0.005	0.0012 (J)				
10/5/2017		0.0008 (J)				<0.005	<0.005	<0.005	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		<0.005		<0.005	<0.005	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	0.00058 (J)	0.00072 (J)	<0.005	<0.005	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				0.00031 (J)					
4/8/2019	0.00026 (J)	0.00076 (J)	6.1E-05 (J)		0.00044 (J)				
4/9/2019						<0.005	<0.005	<0.005	<0.005
9/30/2019	0.00042 (J)	0.00054 (J)	<0.005	<0.005	0.00079 (J)				
10/1/2019						<0.005	<0.005	<0.005	<0.005
3/26/2020	0.00049 (J)	0.00063 (J)	<0.005	<0.005	0.00082 (J)				
3/27/2020						0.00082 (J)			
3/30/2020							<0.005		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		0.00049 (J)							
9/23/2020	0.00051 (J)			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								<0.005	

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/21/2021 1:23 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	0.0005 (J)	0.00049 (J)		<0.005	0.00061 (J)				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005
8/9/2021	<0.005		<0.005	0.00042 (J)	<0.005				
8/10/2021		0.00047 (J)				<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	6.5 (o)	<0.005	
7/6/2007				<0.005		2.1 (o)	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	1.4 (o)	<0.005	<0.005
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	1.1 (o)	<0.005	<0.005
11/7/2007	<0.005	<0.005	<0.005					
5/7/2008	<0.005	<0.005	<0.005					
5/8/2008				<0.005	<0.005	0.75	<0.005	<0.005
12/2/2008						0.41	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						0.38	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	<0.005							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	0.29		
4/13/2010	<0.005	<0.005			<0.005	0.26	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						0.24		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	0.17	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	0.19	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	0.114	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	0.14		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	0.0033							
3/12/2013				<0.005	<0.005	0.041	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		0.06	<0.005	<0.005
9/11/2013	0.0018	<0.005						
3/5/2014				<0.005	<0.005	0.049	<0.005	<0.005
3/11/2014	0.00029 (J)	<0.005	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	0.068		
9/9/2014	0.0011 (J)	<0.005		<0.005			<0.005	

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				<0.005		0.043		<0.005
4/22/2015					<0.005		<0.005	
4/23/2015		<0.005	<0.005					
9/29/2015				<0.005	<0.005	0.0525	<0.005	<0.005
9/30/2015	<0.005	<0.005	<0.005					
3/23/2016		<0.005	<0.005	<0.005	<0.005	0.0172	<0.005	<0.005
3/24/2016	<0.005							
5/17/2016				<0.005	<0.005			
5/18/2016	<0.005	<0.005				0.021	<0.005	<0.005
5/19/2016			<0.005					
7/6/2016				<0.005	<0.005	0.0278	<0.005	0.0004 (J)
7/7/2016	0.0016 (J)	<0.005	<0.005					
9/7/2016				<0.005	<0.005	0.0334		
9/8/2016	0.0006 (J)	<0.005	<0.005				<0.005	<0.005
10/18/2016				<0.005	<0.005	0.0368	<0.005	
10/19/2016	0.0006 (J)	<0.005	<0.005					<0.005
12/7/2016	0.0006 (J)	<0.005	<0.005					
12/8/2016				<0.005	<0.005	0.0419	<0.005	<0.005
2/1/2017				<0.005	<0.005			
2/2/2017	<0.005	<0.005				0.0113	<0.005	<0.005
2/3/2017			<0.005					
3/23/2017				0.0007 (J)	<0.005			
3/24/2017						0.0094 (J)	<0.005	
3/27/2017	0.001 (J)	<0.005	<0.005					<0.005
10/4/2017				<0.005	<0.005	0.0237		
10/5/2017	0.0051 (J)	<0.005	<0.005				0.0003 (J)	0.0004 (J)
3/14/2018							<0.005	
3/15/2018	<0.005	<0.005	<0.005			0.014		<0.005
3/16/2018				<0.005	<0.005			
10/4/2018	0.0065 (J)	<0.005		<0.005	<0.005	0.024	<0.005	
10/5/2018			0.00058 (J)					<0.005
4/8/2019			0.00046 (J)		0.00022 (J)	0.0086 (J)	0.0017 (J)	0.00041 (J)
4/9/2019	0.0023 (J)	<0.005		<0.005				
10/1/2019	0.00046 (J)	<0.005	0.00033 (J)	<0.005	<0.005	0.017	0.00081 (J)	0.00041 (J)
3/26/2020			0.00035 (J)					
3/27/2020							0.0016 (J)	0.00063 (J)
3/30/2020						0.012		
3/31/2020	0.0019 (J)	<0.005		<0.005	<0.005			
9/23/2020		<0.005	<0.005					
9/24/2020	0.00068 (J)					0.01	0.0011 (J)	<0.005
9/25/2020				0.00057 (J)	<0.005			
3/9/2021	0.00049 (J)	<0.005	<0.005	0.00043 (J)	<0.005	0.0093	0.0013 (J)	0.00042 (J)
8/10/2021	0.0041 (J)	<0.005	<0.005	0.00098 (J)	<0.005	0.013	0.004 (J)	<0.005



# Time Series

Constituent: Copper (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				0.0025	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		0.0028	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	0.0032	0.0032	0.0039	0.0061	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		0.0036				<0.005	0.0029	0.0035	0.0028
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	0.0066				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005							
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				<0.005				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	<0.005	<0.005	<0.005			<0.005			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				<0.005	<0.005				

# Time Series

Constituent: Copper (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	<0.005	0.0011 (J)			<0.005	0.00099 (J)		
9/8/2014				<0.005	<0.005				
9/9/2014								<0.005	<0.005
4/21/2015	<0.005	<0.005		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		<0.005		<0.005	<0.005				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
9/7/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	<0.005	<0.005
3/23/2017	<0.005		<0.005	<0.005					
3/24/2017		<0.005			<0.005				
3/27/2017						<0.005	<0.005	0.0004 (J)	<0.005
10/4/2017	<0.005		<0.005	<0.005	<0.005				
10/5/2017		<0.005				<0.005	<0.005	0.0005 (J)	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		<0.005		<0.005	<0.005	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				<0.005					
4/8/2019	<0.005	0.0013 (J)	0.00029 (J)		<0.005				
4/9/2019						<0.005	<0.005	0.0014 (J)	<0.005
9/30/2019	<0.005	<0.005	<0.005	<0.005	<0.005				
10/1/2019						<0.005	0.00037 (J)	0.00019 (J)	0.00023 (J)
3/26/2020	<0.005	<0.005	<0.005	0.00022 (J)	<0.005				
3/27/2020						0.00022 (J)			
3/30/2020							<0.005		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		<0.005							
9/23/2020	<0.005			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								<0.005	
3/8/2021	<0.005	<0.005		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005
8/9/2021	<0.005		<0.005	<0.005	0.00051 (J)				
8/10/2021		<0.005				<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Copper (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				0.0027	<0.005			0.0043
5/8/2007				0.0026				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	0.44 (o)	<0.005	
7/6/2007				<0.005		0.016	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				0.0036	<0.005	0.0091	<0.005	<0.005
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	<0.005	<0.005	<0.005
11/7/2007	0.0029	0.0033	0.0084					
5/7/2008	0.0026	<0.005	<0.005					
5/8/2008				<0.005	<0.005	<0.005	<0.005	<0.005
12/2/2008						0.003	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						<0.005	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	<0.005							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	<0.005		
4/13/2010	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						<0.005		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	<0.005	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	<0.005	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	<0.005	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	<0.005		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	<0.005							
3/12/2013				<0.005	<0.005	<0.005	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		<0.005	<0.005	<0.005
9/11/2013	<0.005	<0.005						
3/5/2014				<0.005	<0.005	<0.005	<0.005	<0.005
3/11/2014	<0.005	<0.005	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	<0.005		
9/9/2014	0.0013 (J)	<0.005		<0.005			<0.005	

# Time Series

Constituent: Copper (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				<0.005		0.00082 (J)		<0.005
4/22/2015					<0.005		<0.005	
4/23/2015		<0.005	<0.005					
9/29/2015				<0.005	<0.005	<0.005	<0.005	<0.005
9/30/2015	0.0008 (J)	<0.005	0.0012 (J)					
3/23/2016		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/24/2016	<0.005							
9/7/2016				<0.005	<0.005	<0.005		
9/8/2016	0.0006 (J)	<0.005	<0.005				<0.005	<0.005
3/23/2017				<0.005	<0.005			
3/24/2017						0.0007 (J)	<0.005	
3/27/2017	0.0005 (J)	<0.005	<0.005					<0.005
10/4/2017				<0.005	<0.005	<0.005		
10/5/2017	<0.005	<0.005	0.0003 (J)				<0.005	<0.005
3/14/2018							<0.005	
3/15/2018	<0.005	<0.005	0.0016 (J)			<0.005		<0.005
3/16/2018				<0.005	<0.005			
10/4/2018	<0.005	<0.005		<0.005	<0.005	<0.005	<0.005	
10/5/2018			<0.005					<0.005
4/8/2019			0.0005 (J)		<0.005	0.00025 (J)	<0.005	<0.005
4/9/2019	<0.005	<0.005		<0.005				
10/1/2019	0.00084 (J)	0.00031 (J)	0.00083 (J)	0.00031 (J)	0.00023 (J)	0.00034 (J)	0.00036 (J)	<0.005
3/26/2020			0.00067 (J)					
3/27/2020							<0.005	<0.005
3/30/2020						<0.005		
3/31/2020	0.00082 (J)	0.0002 (J)		0.00019 (J)	<0.005			
9/23/2020		<0.005	<0.005					
9/24/2020	<0.005					<0.005	<0.005	<0.005
9/25/2020				<0.005	<0.005			
3/9/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/10/2021	<0.005	<0.005	0.00078 (J)	<0.005	<0.005	<0.005	<0.005	0.0018 (J)

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	0.119 (J)	0.0811 (J)	0.1252 (J)	0.1415 (J)	0.1754 (J)				
3/23/2016						0.1069 (J)			0.0905 (J)
3/24/2016							0.1459 (J)	0.1652 (J)	
5/17/2016	0.1049 (J)	0.0706 (J)	0.1091 (J)	0.1293 (J)	0.1385 (J)	0.0991 (J)			
5/18/2016								0.1459 (J)	0.0864 (J)
5/19/2016							0.1408 (J)		
7/5/2016	0.1 (J)		0.16 (J)	0.21 (J)					
7/6/2016		0.09 (J)			0.22 (J)	0.09 (J)		0.21 (J)	
7/7/2016							0.2 (J)		0.16 (J)
9/7/2016	0.13 (J)	0.04 (J)	0.18 (J)	0.21 (J)	0.2 (J)	0.13 (J)			
9/8/2016							0.14 (J)	0.15 (J)	0.08 (J)
10/18/2016	0.15 (J)	0.07 (J)	0.13 (J)	0.15 (J)	0.16 (J)	0.16 (J)		0.19 (J)	
10/19/2016							0.14 (J)		0.09 (J)
12/6/2016	0.11 (J)	0.13 (J)		0.19 (J)	0.29 (J)	0.12 (J)			
12/7/2016			0.13 (J)					0.24 (J)	0.11 (J)
12/8/2016							0.16 (J)		
1/31/2017	0.02 (J)		0.04 (J)						
2/1/2017		<0.1		0.35	0.48				
2/2/2017						0.07 (J)	0.17 (J)	0.1 (J)	
2/3/2017									0.06 (J)
3/23/2017	0.08 (J)		0.08 (J)	0.39					
3/24/2017		0.01 (J)			0.12 (J)				
3/27/2017						0.05 (J)	0.11 (J)	0.11 (J)	0.04 (J)
10/4/2017	0.07 (J)		0.11 (J)	0.49	0.2 (J)				
10/5/2017		<0.1				0.11 (J)	0.13 (J)	0.13 (J)	0.05 (J)
3/14/2018	<0.1		<0.1						
3/15/2018		<0.1		<0.1	0.4	<0.1		<0.1	
3/16/2018							<0.1		<0.1
10/4/2018	0.17 (J)	0.15 (J)	0.25 (J)	0.24 (J)	0.24 (J)	0.16 (J)		0.21 (J)	
10/5/2018							0.21 (J)		0.17 (J)
4/5/2019				0.31					
4/8/2019	0.057 (J)	0.035 (J)	0.072 (J)		0.12 (J)				
4/9/2019						0.067 (J)	0.1 (J)	0.1 (J)	0.056 (J)
9/30/2019	0.11 (J)	0.099 (J)	0.14 (J)	0.15 (J)	0.17 (J)				
10/1/2019						0.07 (J)	0.11 (J)	0.11 (J)	0.069 (J)
3/26/2020	0.082 (J)	0.057 (J)	0.12 (J)	0.09 (J)	0.089 (J)				
3/27/2020						<0.1			
3/30/2020							0.1 (J)		
3/31/2020								0.099 (J)	0.054 (J)
9/21/2020			0.12						
9/22/2020		0.061 (J)							
9/23/2020	0.089 (J)			0.11	0.13				0.065 (J)
9/24/2020							0.11		
9/25/2020						0.085 (J)			
9/28/2020								0.11	
3/8/2021	0.094 (J)	0.11		0.13	0.1				
3/9/2021			0.099 (J)			0.078 (J)	0.11		
3/10/2021								0.11	0.068 (J)
8/9/2021	0.083 (J)		0.081 (J)	0.1	0.12				
8/10/2021		0.068 (J)				0.078 (J)	0.11	0.11	0.066 (J)

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		0.0886 (J)	0.1064 (J)	0.0582 (J)	0.0791 (J)	0.2004 (J)	0.1537 (J)	0.0993 (J)
3/24/2016	0.0445 (J)							
5/17/2016				0.0571 (J)	0.0712 (J)			
5/18/2016	0.0476 (J)	0.0839 (J)				0.1766 (J)		
5/19/2016			0.0928 (J)				0.1414 (J)	0.0936 (J)
7/6/2016				0.29 (J)	0.28 (J)	0.39	0.15 (J)	0.09 (J)
7/7/2016	0.12 (J)	0.08 (J)	0.13 (J)					
9/7/2016				0.08 (J)	0.08 (J)	0.53		
9/8/2016	0.11 (J)	0.11 (J)	0.12 (J)				0.35	0.11 (J)
10/18/2016				0.09 (J)	0.07 (J)	0.24 (J)	0.17 (J)	
10/19/2016	0.13 (J)	0.1 (J)	0.1 (J)					0.1 (J)
12/7/2016	0.23 (J)	0.09 (J)	0.1 (J)					
12/8/2016				0.06 (J)	0.13 (J)	0.24 (J)	0.15 (J)	0.11 (J)
2/1/2017				0.33	0.24 (J)			
2/2/2017	0.11 (J)	0.05 (J)				0.3 (J)	0.1 (J)	0.05 (J)
2/3/2017			0.12 (J)					
3/23/2017				0.07 (J)	0.04 (J)			
3/24/2017						0.22 (J)	0.14 (J)	
3/27/2017	0.01 (J)	0.08 (J)	0.14 (J)					0.07 (J)
10/4/2017				<0.1	0.03 (J)	0.19 (J)		
10/5/2017	<0.1	0.08 (J)	0.09 (J)				0.15 (J)	0.06 (J)
3/14/2018							0.4	
3/15/2018	<0.1	<0.1	<0.1			0.37		<0.1
3/16/2018				<0.1	<0.1			
5/16/2018							0.32	
10/4/2018	0.15 (J)	0.14 (J)		0.16 (J)	0.17 (J)	0.19 (J)	0.28 (J)	
10/5/2018			0.18 (J)					0.18 (J)
4/8/2019			0.057 (J)		<0.1	0.17 (J)	0.1 (J)	0.058 (J)
4/9/2019	0.063 (J)	0.063 (J)		0.061 (J)				
10/1/2019	0.094 (J)	0.079 (J)	0.079 (J)	0.064 (J)	0.063 (J)	0.16 (J)	0.13 (J)	0.078 (J)
3/26/2020			0.064 (J)					
3/27/2020							0.12 (J)	0.078 (J)
3/30/2020						0.16 (J)		
3/31/2020	<0.1	0.055 (J)		<0.1	0.053 (J)			
9/23/2020		0.073 (J)	0.088 (J)					
9/24/2020	0.1					0.14	0.15	0.076 (J)
9/25/2020				0.058 (J)	0.063 (J)			
3/9/2021	0.058 (J)	0.067 (J)	0.069 (J)	0.05 (J)	0.06 (J)	0.17	0.12	0.08 (J)
8/10/2021	<0.1	0.071 (J)	0.087 (J)	0.057 (J)	0.057 (J)	0.19	0.13	0.076 (J)

# Time Series

Constituent: Lead (mg/L) Analysis Run 10/21/2021 1:23 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.001		<0.001	<0.001	<0.001			<0.001	
3/7/2007		<0.001				<0.001	<0.001		<0.001
5/8/2007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
5/9/2007							<0.001	<0.001	<0.001
7/7/2007	<0.001		<0.001						
7/17/2007		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/28/2007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
8/29/2007									<0.001
11/6/2007	<0.001		<0.001	<0.001	<0.001				
11/7/2007		<0.001				<0.001	<0.001	<0.001	<0.001
5/7/2008							<0.001	<0.001	<0.001
5/8/2008				<0.001	<0.001				
5/9/2008	<0.001	<0.001	<0.001			<0.001			
12/2/2008		<0.001				<0.001			
12/3/2008	<0.001		<0.001	<0.001	<0.001		<0.001		
12/4/2008								<0.001	
12/5/2008									<0.001
4/7/2009	<0.001		<0.001	<0.001	<0.001				
4/8/2009		<0.001				<0.001			
4/14/2009							<0.001	<0.001	<0.001
9/30/2009									<0.001
10/1/2009	<0.001	<0.001	<0.001			<0.001	<0.001		
10/2/2009				<0.001	<0.001			<0.001	
4/13/2010			<0.001				<0.001	<0.001	<0.001
4/14/2010	<0.001	<0.001		<0.001	<0.001	<0.001			
10/7/2010			<0.001						
10/12/2010							<0.001	<0.001	<0.001
10/13/2010	<0.001	<0.001				<0.001			
10/14/2010				<0.001	<0.001				
4/5/2011				<0.001	<0.001				
4/6/2011	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	
10/4/2011		<0.001				<0.001			
10/6/2011			<0.001						
10/10/2011	<0.001								
10/12/2011				<0.001	<0.001		<0.001	<0.001	<0.001
4/3/2012	<0.001		<0.001						
4/4/2012				<0.001	<0.001				
4/5/2012							<0.001	<0.001	
4/9/2012									<0.001
4/10/2012		<0.001				<0.001			
9/19/2012			<0.001				<0.001		
9/24/2012	<0.001				<0.001				
9/25/2012								<0.001	<0.001
9/26/2012		<0.001		<0.001		<0.001			
3/12/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/13/2013							<0.001	<0.001	<0.001
9/9/2013			<0.001						
9/10/2013		<0.001		<0.001	<0.001	<0.001	<0.001		
9/11/2013	<0.001							<0.001	<0.001
3/4/2014	<0.001	<0.001	<0.001			<0.001			
3/10/2014							<0.001	<0.001	<0.001
3/11/2014				<0.001	<0.001				

# Time Series

Constituent: Lead (mg/L) Analysis Run 10/21/2021 1:23 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.001	<0.001	<0.001			<0.001	<0.001		
9/8/2014				<0.001	<0.001				
9/9/2014								<0.001	<0.001
4/21/2015	<0.001	<0.001		<0.001	<0.001	<0.001			
4/22/2015			<0.001				<0.001	<0.001	
4/23/2015									<0.001
9/29/2015		<0.001		<0.001	<0.001				
9/30/2015	<0.001		<0.001			<0.001	<0.001	<0.001	<0.001
3/22/2016	<0.001	<0.001	<0.001	<0.001	<0.001				
3/23/2016						<0.001			<0.001
3/24/2016							<0.001	<0.001	
5/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
5/18/2016							<0.001	<0.001	<0.001
7/5/2016	<0.001		<0.001	<0.001					
7/6/2016		<0.001			<0.001	<0.001		<0.001	
7/7/2016							<0.001		<0.001
9/7/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
9/8/2016							<0.001	<0.001	<0.001
10/18/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
10/19/2016							<0.001		<0.001
12/6/2016	<0.001	<0.001		<0.001	<0.001	<0.001			
12/7/2016			<0.001					<0.001	<0.001
12/8/2016							<0.001		
1/31/2017	<0.001		<0.001						
2/1/2017		<0.001		<0.001	<0.001				
2/2/2017						<0.001	<0.001	<0.001	
2/3/2017									<0.001
3/23/2017	<0.001		<0.001	<0.001					
3/24/2017		7E-05 (J)			<0.001				
3/27/2017						<0.001	<0.001	<0.001	7E-05 (J)
10/4/2017	<0.001		<0.001	<0.001	<0.001				
10/5/2017		<0.001				<0.001	<0.001	0.0002 (J)	<0.001
3/14/2018	<0.001		<0.001						
3/15/2018		<0.001		<0.001	<0.001	<0.001		<0.001	
3/16/2018							<0.001		<0.001
10/4/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
10/5/2018							<0.001		<0.001
4/5/2019				<0.001					
4/8/2019	<0.001	<0.001	<0.001		<0.001				
4/9/2019						<0.001	<0.001	<0.001	<0.001
9/30/2019	<0.001	<0.001	<0.001	<0.001	<0.001				
10/1/2019						<0.001	<0.001	<0.001	<0.001
3/26/2020	<0.001	<0.001	<0.001	4.7E-05 (J)	<0.001				
3/27/2020						5.4E-05 (J)			
3/30/2020							<0.001		
3/31/2020								6.1E-05 (J)	<0.001
9/21/2020			<0.001						
9/22/2020		<0.001							
9/23/2020	<0.001			<0.001	<0.001				<0.001
9/24/2020							4E-05 (J)		
9/25/2020						<0.001			
9/28/2020								0.00014 (J)	



# Time Series

Constituent: Lead (mg/L) Analysis Run 10/21/2021 1:24 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.001	<0.001		4E-05 (J)	<0.001				
3/9/2021			<0.001			<0.001	<0.001		
3/10/2021								<0.001	<0.001
8/9/2021	<0.001		<0.001	<0.001	<0.001				
8/10/2021		<0.001				<0.001	<0.001	<0.001	<0.001

# Time Series

Constituent: Lead (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.001	<0.001	<0.001					
3/7/2007				<0.001	<0.001			<0.001
5/8/2007				<0.001				<0.001
5/9/2007	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
7/6/2007				<0.001		<0.001	<0.001	<0.001
7/17/2007	<0.001	<0.001	<0.001		<0.001			
8/28/2007				<0.001	<0.001	<0.001	<0.001	<0.001
8/29/2007	<0.001	<0.001	<0.001					
11/6/2007				<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2007	<0.001	<0.001	<0.001					
5/7/2008	<0.001	<0.001	<0.001					
5/8/2008				<0.001	<0.001	<0.001	<0.001	<0.001
12/2/2008						<0.001	<0.001	<0.001
12/3/2008				<0.001	<0.001			
12/5/2008	<0.001	<0.001	<0.001					
4/7/2009				<0.001	<0.001			
4/8/2009						<0.001	<0.001	<0.001
4/14/2009		<0.001	<0.001					
4/27/2009	<0.001							
9/30/2009	<0.001	<0.001					<0.001	<0.001
10/1/2009			<0.001	<0.001	<0.001	<0.001		
4/13/2010	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
4/14/2010			<0.001	<0.001				
10/6/2010					<0.001			
10/7/2010						<0.001		
10/12/2010	<0.001	<0.001						
10/13/2010			<0.001				<0.001	<0.001
10/14/2010				<0.001				
4/5/2011				<0.001	<0.001	<0.001	<0.001	<0.001
4/6/2011		<0.001	<0.001					
10/4/2011					<0.001	<0.001	<0.001	<0.001
10/5/2011	<0.001	<0.001						
10/12/2011			<0.001	<0.001				
4/3/2012					<0.001	<0.001	<0.001	
4/4/2012				<0.001				<0.001
4/9/2012		<0.001	<0.001					
4/10/2012	<0.001							
9/18/2012					<0.001	<0.001		
9/19/2012			<0.001				<0.001	<0.001
9/24/2012				<0.001				
9/25/2012		<0.001						
9/26/2012	<0.001							
3/12/2013				<0.001	<0.001	<0.001	<0.001	<0.001
3/13/2013	<0.001	<0.001	<0.001					
9/9/2013					<0.001			
9/10/2013			<0.001	<0.001		<0.001	<0.001	<0.001
9/11/2013	<0.001	<0.001						
3/5/2014				<0.001	<0.001	0.0016 (J)	<0.001	<0.001
3/11/2014	<0.001	<0.001	<0.001					
9/3/2014			<0.001					<0.001
9/8/2014					<0.001	<0.001		
9/9/2014	<0.001	<0.001		<0.001			<0.001	



# Time Series

Constituent: Nickel (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		<0.005				<0.005	<0.005	<0.005	<0.005
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	0.0032				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				0.0032				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	0.001 (J)	0.002 (J)	0.0007 (J)			<0.005			
3/10/2014							0.0013 (J)	0.00072 (J)	0.00074 (J)
3/11/2014				0.0013 (J)	0.0026				

# Time Series

Constituent: Nickel (mg/L) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	0.002 (J)	<0.005			<0.005	<0.005		
9/8/2014				<0.005	0.0017 (J)				
9/9/2014								<0.005	<0.005
4/21/2015	<0.005	0.002 (J)		<0.005	0.0016 (J)	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		0.0022 (J)		<0.005	0.0055				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
9/7/2016	0.0008 (J)	0.0026 (J)	<0.005	<0.005	0.0014 (J)	<0.005			
9/8/2016							0.0009 (J)	<0.005	<0.005
3/23/2017	0.0007 (J)		<0.005	0.0022 (J)					
3/24/2017		0.0024 (J)			0.0017 (J)				
3/27/2017						<0.005	0.0006 (J)	0.0062 (J)	0.0006 (J)
10/4/2017	0.0006 (J)		<0.005	<0.005	0.0023 (J)				
10/5/2017		0.0023 (J)				<0.005	0.0008 (J)	0.0005 (J)	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		0.0026 (J)		<0.005	0.0024 (J)	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	0.0023 (J)	<0.005	<0.005	0.0013 (J)	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				0.00075 (J)					
4/8/2019	0.00034 (J)	0.0023 (J)	<0.005		0.00089 (J)				
4/9/2019						<0.005	<0.005	<0.005	<0.005
9/30/2019	0.00037 (J)	0.0017 (J)	<0.005	<0.005	0.0013 (J)				
10/1/2019						<0.005	0.0015 (J)	<0.005	<0.005
3/26/2020	0.00065 (J)	0.002 (J)	<0.005	0.0011 (J)	0.00096 (J)				
3/27/2020						0.0023 (J)			
3/30/2020							0.00048 (J)		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		0.0014 (J)							
9/23/2020	<0.005			<0.005	0.00091 (J)				<0.005
9/24/2020							0.0011 (J)		
9/25/2020						<0.005			
9/28/2020								<0.005	
3/8/2021	<0.005	0.001 (J)		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005
8/9/2021	<0.005		<0.005	<0.005	0.001 (J)				
8/10/2021		0.0017 (J)				<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Nickel (mg/L) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	18 (o)	<0.005	
7/6/2007				<0.005		5.9 (o)	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	3.9	<0.005	<0.005
8/29/2007	0.0055	<0.005	<0.005					
11/6/2007				<0.005	<0.005	3.1	<0.005	<0.005
11/7/2007	0.0044	<0.005	<0.005					
5/7/2008	0.0047	<0.005	<0.005					
5/8/2008				<0.005	<0.005	2.1	<0.005	<0.005
12/2/2008						1.2	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						1.1	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	0.0027							
9/30/2009	0.0051	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	0.88		
4/13/2010	0.0031	<0.005			<0.005	0.82	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						0.72		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	0.52	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	0.56	<0.005	<0.005
10/5/2011	0.0032	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	0.365	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	0.45		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	0.0063							
3/12/2013				<0.005	<0.005	0.13	<0.005	<0.005
3/13/2013	0.0029	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		0.2	<0.005	0.003
9/11/2013	0.0046	<0.005						
3/5/2014				0.001 (J)	0.00092 (J)	0.17	0.00079 (J)	0.0022 (J)
3/11/2014	0.002 (J)	0.00059 (J)	0.0016 (J)					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	0.25		
9/9/2014	0.0029	<0.005		<0.005			<0.005	

# Time Series

Constituent: Nickel (mg/L) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				<0.005		0.15		0.0019 (J)
4/22/2015					<0.005		<0.005	
4/23/2015		<0.005	<0.005					
9/29/2015				<0.005	<0.005	0.203	<0.005	0.0019 (J)
9/30/2015	0.0025 (J)	<0.005	<0.005					
3/23/2016		<0.005	<0.005	<0.005	<0.005	0.0607	<0.005	<0.005
3/24/2016	0.00317 (J)							
9/7/2016				<0.005	<0.005	0.141		
9/8/2016	0.0038 (J)	<0.005	0.0011 (J)				<0.005	0.0023 (J)
3/23/2017				0.0008 (J)	<0.005			
3/24/2017						0.0313	<0.005	
3/27/2017	0.0024 (J)	<0.005	0.0007 (J)					0.0023 (J)
10/4/2017				<0.005	<0.005	0.093		
10/5/2017	0.0104	<0.005	<0.005				<0.005	0.0024 (J)
3/14/2018							<0.005	
3/15/2018	0.0026 (J)	<0.005	0.001 (J)			0.057		0.0023 (J)
3/16/2018				<0.005	<0.005			
10/4/2018	0.012	<0.005		<0.005	<0.005	0.11	<0.005	
10/5/2018			0.0014 (J)					0.0025 (J)
12/11/2018	0.0052 (J)							
4/8/2019			0.0011 (J)		0.00032 (J)	0.03	0.00064 (J)	0.0021 (J)
4/9/2019	0.0048 (J)	<0.005		0.00098 (J)				
10/1/2019	0.0031 (J)	<0.005	0.0035 (J)	0.00088 (J)	0.00042 (J)	0.07	0.00063 (J)	0.0022 (J)
3/26/2020			0.001 (J)					
3/27/2020							0.00053 (J)	0.0022 (J)
3/30/2020						0.037		
3/31/2020	0.0039 (J)	<0.005		0.0013 (J)	<0.005			
9/23/2020		<0.005	0.00079 (J)					
9/24/2020	0.0068					0.042	0.001 (J)	0.0024 (J)
9/25/2020				0.00078 (J)	<0.005			
3/9/2021	0.0013 (J)	<0.005	<0.005	<0.005	<0.005	0.035	<0.005	0.0014 (J)
8/10/2021	0.0076	<0.005	0.0008 (J)	0.00085 (J)	<0.005	0.057	0.0073	0.0019 (J)
9/28/2021							0.0009 (J,R)	

# Time Series

Constituent: pH (SU) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	7.07	7	7.19	7.11	7.14				
3/23/2016						7.56			7.55
3/24/2016							7.71	7.69	
5/17/2016	7	6.77	6.94	6.95	6.67	7.46			
5/18/2016							7.59	7.49	7.32
7/5/2016	6.88		6.98	6.55					
7/6/2016		6.64			6.53	7.24		7.39	
7/7/2016							7.55		7.39
9/7/2016	7.24	6.83	6.86	6.81	6.72	7.4			
9/8/2016							7.54	7.57	7.34
10/18/2016	6.86	6.58	6.71	6.64	6.73	7.11		7.35	
10/19/2016							7.66		7.35
12/6/2016	6.98	6.66		6.34	6.61	7.32			
12/7/2016			6.71					7.42	7.35
12/8/2016							7.47		
1/31/2017	6.63		6.95						
2/1/2017		6.5		6.68	6.7				
2/2/2017						7.19	7.64	7.43	
2/3/2017									7.37
3/23/2017	7.12		7.04	6.8					
3/24/2017		6.72			6.77				
3/27/2017						7.48	7.59	7.53	7.26
10/4/2017	6.83		6.86	6.64	6.52				
10/5/2017		6.69				7.13	7.65	7.36	7.2
3/14/2018	6.66		6.76						
3/15/2018		6.48		6.88	7.11	7.08		7.54	
3/16/2018							7.51		7.13
5/15/2018									7.18
10/4/2018	6.92	6.66	6.62	6.62	6.72	7.26		7.44	
10/5/2018							7.57		7.07
12/11/2018									7.16
4/5/2019				6.77					
4/8/2019	6.86	6.61	6.79		6.82				
4/9/2019						7.22	7.48	7.4	7.26
9/30/2019	7.15	6.86	6.86	6.73	6.77				
10/1/2019						7.07	7.65	7.31	7.16
3/26/2020	7.02	6.83	7.07	6.87	6.74				
3/27/2020						6.82			
3/30/2020							7.65		
3/31/2020								7.62	7.57
6/19/2020						7.4 (R)		7.61 (R)	7.31 (R)
9/21/2020			6.9						
9/22/2020		6.8							
9/23/2020	6.98			6.87	6.81				7.11
9/24/2020							7.62		
9/25/2020						7.28			
9/28/2020								7.78	
11/10/2020								7.37 (R)	
3/8/2021	6.86	6.78		6.95	6.84				
3/9/2021			6.93			7.43	7.66		
3/10/2021								7.49	7.41
8/9/2021	7.23		6.9	6.89	6.76				



# Time Series

Constituent: pH (SU) Analysis Run 10/21/2021 1:24 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
8/10/2021		6.84				7.45	7.4	7.49	7.31

# Time Series

Constituent: pH (SU) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		7.72	7.48	7.1	7.29	6.36	7.46	7.2
3/24/2016	6.4							
5/17/2016				6.88	7.1			
5/18/2016	6.44	7.77				6.21	7.4	6.96
5/19/2016			7.24					
7/6/2016				6.75	7	5.88	7.36	6.89
7/7/2016	6.12	7.65	7.18					
9/7/2016				6.95	7.07	5.77		
9/8/2016	7.2	7.89	7.17				7.45	6.93
10/18/2016				6.9	6.81	5.9	7.5	
10/19/2016	7.11	7.64	7.05					6.84
12/7/2016	7.24	7.72	7.16					
12/8/2016				6.55	6.85		7.28	6.54
12/9/2016						5.73		
2/1/2017				6.81	7.05			
2/2/2017	6.86	7.56				6.29	7.45	6.72
2/3/2017			7.27					
3/23/2017				6.8	6.97			
3/24/2017						6.32	7.28	
3/27/2017	6.51	7.69	7.24					6.56
10/4/2017				7.12	7.17	6.03		
10/5/2017	5.97	7.53	7.25				7.53	7.03
3/14/2018							7.28	
3/15/2018	7.01	7.5	7.05			6.05		6.66
3/16/2018				6.72	6.8			
10/4/2018	6.33	7.52		6.52	6.93	5.92	7.22	
10/5/2018			6.97					6.41
4/8/2019			6.88		7	6.26	6.91	6.72
4/9/2019	6.46	7.49		6.72				
6/18/2019							6.85	
6/27/2019							7.05	
10/1/2019	6.9	7.38	7	6.81	6.97	6.09	7.11	6.77
11/6/2019		7.66						
3/26/2020			6.88					
3/27/2020							7.01	7.11
3/30/2020						6.48		
3/31/2020	6.33	7.8		6.82	7.17			
6/18/2020					6.96 (R)			
6/19/2020						6.45 (R)	6.81 (R)	
9/23/2020		7.42	6.96					
9/24/2020	7.12					6.32	6.96	6.75
9/25/2020				6.82	6.96			
3/9/2021	7.04	7.52	6.81	6.93	7.09	6.59	7.06	6.92
8/10/2021	6.05	7.75	6.96	6.87	7.06	6.29	6.65	6.91
9/28/2021							6.77 (R)	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		<0.005				<0.005	<0.005	<0.005	<0.005
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				<0.005				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	<0.005	<0.005	<0.005			0.0016 (J)			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				<0.005	<0.005				

# Time Series

Constituent: Selenium (mg/L) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	<0.005	<0.005			<0.005	<0.005		
9/8/2014				<0.005	<0.005				
9/9/2014								<0.005	<0.005
4/21/2015	<0.005	<0.005		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		<0.005		<0.005	<0.005				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
5/17/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/18/2016							<0.005	<0.005	<0.005
7/5/2016	<0.005		<0.005	<0.005					
7/6/2016		<0.005			<0.005	<0.005		<0.005	
7/7/2016							<0.005		<0.005
9/7/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	<0.005	<0.005
10/18/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/19/2016							<0.005		<0.005
12/6/2016	<0.005	<0.005		<0.005	<0.005	<0.005			
12/7/2016			<0.005					<0.005	<0.005
12/8/2016							<0.005		
1/31/2017	<0.005		<0.005						
2/1/2017		<0.005		<0.005	<0.005				
2/2/2017						<0.005	<0.005	<0.005	
2/3/2017									<0.005
3/23/2017	<0.005		<0.005	<0.005					
3/24/2017		<0.005			<0.005				
3/27/2017						<0.005	<0.005	<0.005	<0.005
10/4/2017	<0.005		<0.005	<0.005	<0.005				
10/5/2017		<0.005				<0.005	<0.005	<0.005	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		<0.005		<0.005	<0.005	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				<0.005					
4/8/2019	<0.005	<0.005	<0.005		0.00014 (J)				
4/9/2019						<0.005	<0.005	<0.005	<0.005
9/30/2019	<0.005	<0.005	<0.005	<0.005	<0.005				
10/1/2019						<0.005	<0.005	<0.005	<0.005
3/26/2020	<0.005	<0.005	<0.005	<0.005	<0.005				
3/27/2020						<0.005			
3/30/2020							<0.005		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		<0.005							
9/23/2020	<0.005			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								<0.005	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 10/21/2021 1:24 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/8/2021	<0.005	<0.005		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005
8/9/2021	<0.005		<0.005	<0.005	<0.005				
8/10/2021		<0.005				<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Selenium (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	
7/6/2007				<0.005		<0.005	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	<0.005	<0.005	<0.005
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	<0.005	<0.005	<0.005
11/7/2007	<0.005	<0.005	<0.005					
5/7/2008	<0.005	<0.005	<0.005					
5/8/2008				<0.005	<0.005	<0.005	<0.005	<0.005
12/2/2008						<0.005	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						<0.005	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	<0.005							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	<0.005		
4/13/2010	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						<0.005		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	<0.005	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	<0.005	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	<0.005	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	<0.005		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	<0.005							
3/12/2013				<0.005	<0.005	<0.005	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		<0.005	<0.005	<0.005
9/11/2013	<0.005	<0.005						
3/5/2014				<0.005	<0.005	<0.005	<0.005	0.0018 (J)
3/11/2014	0.0024 (J)	0.0017 (J)	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	<0.005		
9/9/2014	<0.005	<0.005		<0.005			<0.005	



# Time Series

Constituent: Silver (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.005		<0.005	<0.005	<0.005			<0.005	
3/7/2007		<0.005				<0.005	<0.005		<0.005
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
5/9/2007							<0.005	<0.005	<0.005
7/7/2007	<0.005		<0.005						
7/17/2007		<0.005		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
8/28/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
8/29/2007									<0.005
11/6/2007	<0.005		<0.005	<0.005	<0.005				
11/7/2007		<0.005				<0.005	<0.005	<0.005	<0.005
5/7/2008							<0.005	<0.005	<0.005
5/8/2008				<0.005	<0.005				
5/9/2008	<0.005	<0.005	<0.005			<0.005			
12/2/2008		<0.005				<0.005			
12/3/2008	<0.005		<0.005	<0.005	<0.005		<0.005		
12/4/2008								<0.005	
12/5/2008									<0.005
4/7/2009	<0.005		<0.005	<0.005	<0.005				
4/8/2009		<0.005				<0.005			
4/14/2009							<0.005	<0.005	<0.005
9/30/2009									<0.005
10/1/2009	<0.005	<0.005	<0.005			<0.005	<0.005		
10/2/2009				<0.005	<0.005			<0.005	
4/13/2010			<0.005				<0.005	<0.005	<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	<0.005			
10/7/2010			<0.005						
10/12/2010							<0.005	<0.005	<0.005
10/13/2010	<0.005	<0.005				<0.005			
10/14/2010				<0.005	<0.005				
4/5/2011				<0.005	<0.005				
4/6/2011	<0.005	<0.005	<0.005			<0.005	<0.005	<0.005	
10/4/2011		<0.005				<0.005			
10/6/2011			<0.005						
10/10/2011	<0.005								
10/12/2011				<0.005	<0.005		<0.005	<0.005	<0.005
4/3/2012	<0.005		<0.005						
4/4/2012				<0.005	<0.005				
4/5/2012							<0.005	<0.005	
4/9/2012									<0.005
4/10/2012		<0.005				<0.005			
9/19/2012			<0.005				<0.005		
9/24/2012	<0.005				<0.005				
9/25/2012								<0.005	<0.005
9/26/2012		<0.005		<0.005		<0.005			
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/13/2013							<0.005	<0.005	<0.005
9/9/2013			<0.005						
9/10/2013		<0.005		<0.005	<0.005	<0.005	<0.005		
9/11/2013	<0.005							<0.005	<0.005
3/4/2014	<0.005	<0.005	<0.005			<0.005			
3/10/2014							<0.005	<0.005	<0.005
3/11/2014				<0.005	<0.005				



# Time Series

Constituent: Silver (mg/L) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.005	<0.005	<0.005			<0.005	<0.005		
9/8/2014				<0.005	<0.005				
9/9/2014								<0.005	<0.005
4/21/2015	<0.005	<0.005		<0.005	<0.005	<0.005			
4/22/2015			<0.005				<0.005	<0.005	
4/23/2015									<0.005
9/29/2015		<0.005		<0.005	<0.005				
9/30/2015	<0.005		<0.005			<0.005	<0.005	<0.005	<0.005
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
3/23/2016						<0.005			<0.005
3/24/2016							<0.005	<0.005	
9/7/2016	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
9/8/2016							<0.005	<0.005	<0.005
3/23/2017	<0.005		<0.005	<0.005					
3/24/2017		<0.005			<0.005				
3/27/2017						<0.005	<0.005	<0.005	<0.005
10/4/2017	<0.005		<0.005	<0.005	<0.005				
10/5/2017		<0.005				<0.005	<0.005	<0.005	<0.005
3/14/2018	<0.005		<0.005						
3/15/2018		<0.005		<0.005	<0.005	<0.005		<0.005	
3/16/2018							<0.005		<0.005
10/4/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		<0.005	
10/5/2018							<0.005		<0.005
4/5/2019				<0.005					
4/8/2019	<0.005	<0.005	<0.005		<0.005				
4/9/2019						<0.005	<0.005	<0.005	<0.005
9/30/2019	<0.005	<0.005	<0.005	<0.005	<0.005				
10/1/2019						<0.005	<0.005	<0.005	<0.005
3/26/2020	<0.005	<0.005	<0.005	<0.005	<0.005				
3/27/2020						<0.005			
3/30/2020							<0.005		
3/31/2020								<0.005	<0.005
9/21/2020			<0.005						
9/22/2020		<0.005							
9/23/2020	<0.005			<0.005	<0.005				<0.005
9/24/2020							<0.005		
9/25/2020						<0.005			
9/28/2020								<0.005	
3/8/2021	<0.005	<0.005		<0.005	<0.005				
3/9/2021			<0.005			<0.005	<0.005		
3/10/2021								<0.005	<0.005
8/9/2021	<0.005		<0.005	<0.005	<0.005				
8/10/2021		<0.005				<0.005	<0.005	<0.005	<0.005

# Time Series

Constituent: Silver (mg/L) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.005	<0.005	<0.005					
3/7/2007				<0.005	<0.005			<0.005
5/8/2007				<0.005				<0.005
5/9/2007	<0.005	<0.005	<0.005		<0.005	<0.005	<0.005	
7/6/2007				<0.005		<0.005	<0.005	<0.005
7/17/2007	<0.005	<0.005	<0.005		<0.005			
8/28/2007				<0.005	<0.005	<0.005	<0.005	<0.005
8/29/2007	<0.005	<0.005	<0.005					
11/6/2007				<0.005	<0.005	<0.005	<0.005	<0.005
11/7/2007	<0.005	<0.005	<0.005					
5/7/2008	<0.005	<0.005	<0.005					
5/8/2008				<0.005	<0.005	<0.005	<0.005	<0.005
12/2/2008						<0.005	<0.005	<0.005
12/3/2008				<0.005	<0.005			
12/5/2008	<0.005	<0.005	<0.005					
4/7/2009				<0.005	<0.005			
4/8/2009						<0.005	<0.005	<0.005
4/14/2009		<0.005	<0.005					
4/27/2009	0.0036							
9/30/2009	<0.005	<0.005					<0.005	<0.005
10/1/2009			<0.005	<0.005	<0.005	<0.005		
4/13/2010	<0.005	<0.005			<0.005	<0.005	<0.005	<0.005
4/14/2010			<0.005	<0.005				
10/6/2010					<0.005			
10/7/2010						<0.005		
10/12/2010	<0.005	<0.005						
10/13/2010			<0.005				<0.005	<0.005
10/14/2010				<0.005				
4/5/2011				<0.005	<0.005	<0.005	<0.005	<0.005
4/6/2011		<0.005	<0.005					
10/4/2011					<0.005	<0.005	<0.005	<0.005
10/5/2011	<0.005	<0.005						
10/12/2011			<0.005	<0.005				
4/3/2012					<0.005	<0.005	<0.005	
4/4/2012				<0.005				<0.005
4/9/2012		<0.005	<0.005					
4/10/2012	<0.005							
9/18/2012					<0.005	<0.005		
9/19/2012			<0.005				<0.005	<0.005
9/24/2012				<0.005				
9/25/2012		<0.005						
9/26/2012	<0.005							
3/12/2013				<0.005	<0.005	<0.005	<0.005	<0.005
3/13/2013	<0.005	<0.005	<0.005					
9/9/2013					<0.005			
9/10/2013			<0.005	<0.005		<0.005	<0.005	<0.005
9/11/2013	<0.005	<0.005						
3/5/2014				<0.005	<0.005	<0.005	<0.005	<0.005
3/11/2014	<0.005	<0.005	<0.005					
9/3/2014			<0.005					<0.005
9/8/2014					<0.005	<0.005		
9/9/2014	<0.005	<0.005		<0.005			<0.005	



# Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	4.4409	11.6823	13.0789	107.476	302.2975				
3/23/2016						14.6529			22.9683
3/24/2016							10.1818	16.8473	
5/17/2016	4.43	11.4	15.3	106	213	13.3			
5/18/2016								18.4	19.2
5/19/2016							9.58		
7/5/2016	4.6		15	110					
7/6/2016		12			280	10		17	
7/7/2016							9.6		31
9/7/2016	4.8	13	16	83	160	10			
9/8/2016							9.4	16	30
10/18/2016	4.7	13	16	110	120	10		19	
10/19/2016							9.9		32
12/6/2016	4.7	12		220	210	11			
12/7/2016			15					13	26
12/8/2016							14		
1/31/2017	5.1		13						
2/1/2017		13		190	200				
2/2/2017						11	13	14	
2/3/2017									27
3/23/2017	4.7		12	160					
3/24/2017		12			140				
3/27/2017						33	12	18	30
10/4/2017	5		12	140	140				
10/5/2017		13				16	12	16	32
3/14/2018	5.1		13.9						
3/15/2018		12.2		119	167	33.9		14.8	
3/16/2018							11.7		37.5
5/15/2018						29.1			41
10/4/2018	5.2	15.6	17.4	117	209	29.5		15.9	
10/5/2018							10.6		38.9
12/11/2018									41.8
4/5/2019				131					
4/8/2019	4.6	13.2	18.1		248				
4/9/2019						21.4	11.3	16.7	50.3
6/18/2019									38.7
6/27/2019									46
9/30/2019	4.9	11.5	17.5	118	117				
10/1/2019						13.4	8.9	14.7	52.3
11/6/2019									47.3
3/26/2020	5	10.8	15.6	95.8	128				
3/27/2020						10.8			
3/30/2020							9.7		
3/31/2020								17.8	53.6
9/21/2020			18.2						
9/22/2020		9.8							
9/23/2020	6.6			95.6	123				58.9
9/24/2020							8.5		
9/25/2020						11.6			
9/28/2020								15.8	
3/8/2021	4.6	11.5		99.5	152				
3/9/2021			16.8			14.2	7.9		

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/21/2021 1:24 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/10/2021								18.7	64.7
8/9/2021	4.7		23.2	93.3	106				
8/10/2021		11.2				14.9	10.3	17.8	66.4

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		9.1183	6.2867	76.011	87.512	90.229	26.3455	61.8335
3/24/2016	24.8075							
5/17/2016				76.2	101			
5/18/2016	26.2	6.88				100		
5/19/2016			5.42				31.7	64.3
7/6/2016				74	110	130	36	69
7/7/2016	31	6.8	5.7					
9/7/2016				64	97	130		
9/8/2016	33	6.8	5.7				45	68
10/18/2016				65	120	140	49	
10/19/2016	31	7.5	5.8					69
12/7/2016	19	11	5.9					
12/8/2016				100	100	140	50	69
2/1/2017				150	110			
2/2/2017	52	9.9				71	51	76
2/3/2017			38					
3/23/2017				130	110			
3/24/2017						68	46	
3/27/2017	29	8.4	43					68
10/4/2017				71	130	120		
10/5/2017	33	7.4	8.3				48	74
12/14/2017					130			
1/18/2018					110			
3/14/2018							36.8	
3/15/2018	38	8.2	14			118		57.8
3/16/2018				77.4	93.6			
10/4/2018	19.3	6.4		90.3	137	167	45.4	
10/5/2018			9.3					81.9
12/11/2018					110			73.6
4/8/2019			6.2		131	97.1	39.9	73.5
4/9/2019	19.9	11		83.6				
6/19/2019					108			
10/1/2019	46.3	1.9	5.8	68.1	71.7	120	47.1	72.2
3/26/2020			14.5					
3/27/2020							31.5	54
3/30/2020						64.6		
3/31/2020	29.9	10.9		92.6	106			
9/23/2020		5	5.3					
9/24/2020	37.6					120	48.3	69.9
9/25/2020				80.7	110			
3/9/2021	41.6	6.4	10.2	86.9	105	87.4	33.1	65.1 (M1)
8/10/2021	23.8	6.2	8	76.1	95.9	101	31.6	76.3

# Time Series

Constituent: Thallium (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.001		<0.001	<0.001	<0.001			<0.001	
3/7/2007		<0.001				<0.001	<0.001		<0.001
5/8/2007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
5/9/2007							<0.001	<0.001	<0.001
7/7/2007	<0.001		<0.001						
7/17/2007		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8/28/2007	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
8/29/2007									<0.001
11/6/2007	<0.001		<0.001	<0.001	<0.001				
11/7/2007		<0.001				<0.001	<0.001	<0.001	<0.001
5/7/2008							<0.001	<0.001	<0.001
5/8/2008				<0.001	<0.001				
5/9/2008	<0.001	<0.001	<0.001			<0.001			
12/2/2008		<0.001				<0.001			
12/3/2008	<0.001		<0.001	<0.001	<0.001		<0.001		
12/4/2008								<0.001	
12/5/2008									<0.001
4/7/2009	<0.001		<0.001	<0.001	<0.001				
4/8/2009		<0.001				<0.001			
4/14/2009							<0.001	<0.001	<0.001
9/30/2009									<0.001
10/1/2009	<0.001	<0.001	<0.001			<0.001	<0.001		
10/2/2009				<0.001	<0.001			<0.001	
4/13/2010			<0.001				<0.001	<0.001	<0.001
4/14/2010	<0.001	<0.001		<0.001	<0.001	<0.001			
10/7/2010			<0.001						
10/12/2010							<0.001	<0.001	<0.001
10/13/2010	<0.001	<0.001				<0.001			
10/14/2010				<0.001	<0.001				
4/5/2011				<0.001	<0.001				
4/6/2011	<0.001	<0.001	<0.001			<0.001	<0.001	<0.001	
10/4/2011		<0.001				<0.001			
10/6/2011			<0.001						
10/10/2011	<0.001								
10/12/2011				<0.001	<0.001		<0.001	<0.001	<0.001
4/3/2012	<0.001		<0.001						
4/4/2012				<0.001	<0.001				
4/5/2012							<0.001	<0.001	
4/9/2012									<0.001
4/10/2012		<0.001				<0.001			
9/19/2012			<0.001				<0.001		
9/24/2012	<0.001				<0.001				
9/25/2012								<0.001	<0.001
9/26/2012		<0.001		<0.001		<0.001			
3/12/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/13/2013							<0.001	<0.001	<0.001
3/4/2014	<0.001	<0.001	<0.001			<0.001			
3/10/2014							<0.001	<0.001	<0.001
3/11/2014				<0.001	<0.001				
9/3/2014	<0.001	<0.001	<0.001			<0.001	<0.001		
9/8/2014				<0.001	<0.001				
9/9/2014								<0.001	<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
4/21/2015	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/29/2015		<0.001		<0.001	<0.001				
9/30/2015	<0.001		<0.001			<0.001	<0.001	<0.001	<0.001
3/22/2016	<0.001	<0.001	<0.001	<0.001	<0.001				
3/23/2016						<0.001			<0.001
3/24/2016							<0.001	<0.001	
5/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
5/18/2016							<0.001	<0.001	<0.001
7/5/2016	<0.001		<0.001	<0.001					
7/6/2016		<0.001			<0.001	<0.001		<0.001	
7/7/2016							<0.001		<0.001
9/7/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
9/8/2016							<0.001	<0.001	<0.001
10/18/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
10/19/2016							<0.001		<0.001
12/6/2016	<0.001	<0.001		<0.001	<0.001	<0.001			
12/7/2016			<0.001					<0.001	<0.001
12/8/2016							<0.001		
1/31/2017	<0.001		<0.001						
2/1/2017		<0.001		<0.001	<0.001				
2/2/2017						<0.001	<0.001	<0.001	
2/3/2017									<0.001
3/23/2017	<0.001		<0.001	<0.001					
3/24/2017		<0.001			<0.001				
3/27/2017						<0.001	<0.001	<0.001	<0.001
10/4/2017	<0.001		<0.001	<0.001	<0.001				
10/5/2017		<0.001				<0.001	<0.001	<0.001	<0.001
3/14/2018	<0.001		<0.001					<0.001	
3/15/2018		<0.001		<0.001	<0.001	<0.001		<0.001	
3/16/2018							<0.001		<0.001
10/4/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		<0.001	
10/5/2018							<0.001		<0.001
4/5/2019				<0.001					
4/8/2019	<0.001	<0.001	<0.001		<0.001				
4/9/2019						<0.001	<0.001	<0.001	<0.001
9/30/2019	<0.001	<0.001	<0.001	<0.001	<0.001				
10/1/2019						<0.001	<0.001	<0.001	<0.001
3/26/2020	<0.001	<0.001	<0.001	<0.001	<0.001				
3/27/2020						<0.001			
3/30/2020							<0.001		
3/31/2020								<0.001	<0.001
9/21/2020			<0.001						
9/22/2020		<0.001							
9/23/2020	<0.001			<0.001	<0.001				<0.001
9/24/2020							<0.001		
9/25/2020						<0.001			
9/28/2020								<0.001	
3/8/2021	<0.001	<0.001		<0.001	<0.001				
3/9/2021			<0.001			<0.001	<0.001		
3/10/2021								<0.001	<0.001
8/9/2021	<0.001		<0.001	<0.001	<0.001				
8/10/2021		<0.001				<0.001	<0.001	<0.001	<0.001



# Time Series

Constituent: Thallium (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.001	<0.001	<0.001					
3/7/2007				<0.001	<0.001			<0.001
5/8/2007				<0.001				<0.001
5/9/2007	<0.001	<0.001	<0.001		<0.001	<0.001	<0.001	
7/6/2007				<0.001		<0.001	<0.001	<0.001
7/17/2007	<0.001	<0.001	<0.001		<0.001			
8/28/2007				<0.001	<0.001	<0.001	<0.001	<0.001
8/29/2007	<0.001	<0.001	<0.001					
11/6/2007				<0.001	<0.001	<0.001	<0.001	<0.001
11/7/2007	<0.001	<0.001	<0.001					
5/7/2008	<0.001	<0.001	<0.001					
5/8/2008				<0.001	<0.001	<0.001	<0.001	<0.001
12/2/2008						<0.001	<0.001	<0.001
12/3/2008				<0.001	<0.001			
12/5/2008	<0.001	<0.001	<0.001					
4/7/2009				<0.001	<0.001			
4/8/2009						<0.001	<0.001	<0.001
4/14/2009		<0.001	<0.001					
4/27/2009	<0.001							
9/30/2009	<0.001	<0.001					<0.001	<0.001
10/1/2009			<0.001	<0.001	<0.001	<0.001		
4/13/2010	<0.001	<0.001			<0.001	<0.001	<0.001	<0.001
4/14/2010			<0.001	<0.001				
10/6/2010					<0.001			
10/7/2010						<0.001		
10/12/2010	<0.001	<0.001						
10/13/2010			<0.001				<0.001	<0.001
10/14/2010				<0.001				
4/5/2011				<0.001	<0.001	<0.001	<0.001	<0.001
4/6/2011		<0.001	<0.001					
10/4/2011					<0.001	<0.001	<0.001	<0.001
10/5/2011	<0.001	<0.001						
10/12/2011			<0.001	<0.001				
4/3/2012					<0.001	<0.001	<0.001	
4/4/2012				<0.001				<0.001
4/9/2012		<0.001	<0.001					
4/10/2012	<0.001							
9/18/2012					<0.001	<0.001		
9/19/2012			<0.001				<0.001	<0.001
9/24/2012				<0.001	<0.001		<0.001	
9/25/2012		<0.001						
9/26/2012	<0.001							
3/12/2013				<0.001	<0.001	<0.001	<0.001	<0.001
3/13/2013	<0.001	<0.001	<0.001					
3/5/2014				<0.001	<0.001	<0.001	<0.001	<0.001
3/11/2014	<0.001	<0.001	<0.001					
9/3/2014			<0.001					<0.001
9/8/2014					<0.001	<0.001		
9/9/2014	<0.001	<0.001		<0.001			<0.001	
4/21/2015		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
9/29/2015				<0.001	<0.001	<0.001	<0.001	<0.001
9/30/2015	<0.001	<0.001	<0.001					



# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/22/2016	78	112	233	451	686				
3/23/2016						182			208
3/24/2016							205	232	
5/17/2016	67	121	197	430	533	178			
5/18/2016								245	213
5/19/2016							204		
7/5/2016	87		218	418					
7/6/2016		98			646	135		231	
7/7/2016							181		212
9/7/2016	125	128	240	443	493	165			
9/8/2016							193	252	201
10/18/2016	133	115	221	415	455	113		288	
10/19/2016							231		276
12/6/2016	151	153		653	597	194			
12/7/2016			235					220	186
12/8/2016							166		
1/31/2017	135		253						
2/1/2017		183		615	638				
2/2/2017						160	191	220	
2/3/2017									219
3/23/2017	72		190	506					
3/24/2017		121			579				
3/27/2017						252	427	393	239
10/4/2017	91		192	492	440				
10/5/2017		113				177	207	242	216
3/14/2018	99		204						
3/15/2018		115		448	381	216		213	
3/16/2018							199		216
10/4/2018	112	135	233	472	490	222		231	
10/5/2018							235		256
4/5/2019				456					
4/8/2019	91	142	209		522				
4/9/2019						213	212	253	267
9/30/2019	126	134	242	475	455				
10/1/2019						186	196	229	271
3/26/2020	73	76	222	450	466				
3/27/2020						118			
3/30/2020							217		
3/31/2020								233	267
9/21/2020			204						
9/22/2020		107							
9/23/2020	117			473	421				277
9/24/2020							181		
9/25/2020						153			
9/28/2020								214	
3/8/2021	96	107		415	460				
3/9/2021			227 (D6)			201	192		
3/10/2021								223 (D6)	241
8/9/2021	96		245	416	371				
8/10/2021		107				185	224	209	270

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016		206	168	379	310	253	239	204
3/24/2016	110							
5/17/2016				349	280			
5/18/2016	153	212				276		
5/19/2016			173				236	215
7/6/2016				346	280	239	218	204
7/7/2016	151	206	144					
9/7/2016				382	324	247		
9/8/2016	285	214	179				225	201
10/18/2016				461	307	233	200	
10/19/2016	314	269	209					272
12/7/2016	252	199	156					
12/8/2016				379	281	373	196	227
2/1/2017				511	354			
2/2/2017	138	211				236	231	209
2/3/2017			276					
3/23/2017				443	302			
3/24/2017						291	250	
3/27/2017	88	324	295					305
10/4/2017				359	365	264		
10/5/2017	111	219	192				309	204
12/14/2017					406		322	
1/18/2018					404		322	
3/14/2018							263	
3/15/2018	219	190	169			254		280
3/16/2018				390	317			
10/4/2018	152	215		385	371	287	292	
10/5/2018			210					236
4/8/2019			191		353	295	438	264
4/9/2019	167	222		371				
10/1/2019	336	220	203	380	348	277	305	237
11/6/2019	336							
11/26/2019	236							
3/26/2020			193					
3/27/2020							329	192
3/30/2020						216		
3/31/2020	111	195		408	349			
9/23/2020		231	186					
9/24/2020	286					254	307	179
9/25/2020				367	345			
3/9/2021	243	178	216	364	298	299	308	209
8/10/2021	121	206	178	363	318	210	425	208

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/21/2021 1:24 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.01		<0.01	<0.01	<0.01			<0.01	
3/7/2007		<0.01				<0.01	<0.01		<0.01
5/8/2007	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
5/9/2007							<0.01	<0.01	<0.01
7/7/2007	<0.01		<0.01						
7/17/2007		<0.01		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
8/28/2007	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
8/29/2007									<0.01
11/6/2007	<0.01		<0.01	<0.01	<0.01				
11/7/2007		<0.01				<0.01	<0.01	<0.01	<0.01
5/7/2008							<0.01	<0.01	<0.01
5/8/2008				<0.01	<0.01				
5/9/2008	<0.01	<0.01	<0.01			<0.01			
12/2/2008		<0.01				<0.01			
12/3/2008	<0.01		<0.01	<0.01	<0.01		<0.01		
12/4/2008								<0.01	
12/5/2008									<0.01
4/7/2009	<0.01		<0.01	<0.01	<0.01				
4/8/2009		<0.01				<0.01			
4/14/2009							<0.01	<0.01	<0.01
9/30/2009									<0.01
10/1/2009	<0.01	<0.01	<0.01			<0.01	<0.01		
10/2/2009				<0.01	<0.01			<0.01	
4/13/2010			<0.01				<0.01	<0.01	<0.01
4/14/2010	<0.01	<0.01		<0.01	<0.01	<0.01			
10/7/2010			<0.01						
10/12/2010							<0.01	<0.01	<0.01
10/13/2010	<0.01	<0.01				<0.01			
10/14/2010				<0.01	<0.01				
4/5/2011				<0.01	<0.01				
4/6/2011	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	
10/4/2011		<0.01				<0.01			
10/6/2011			<0.01						
10/10/2011	<0.01								
10/12/2011				<0.01	<0.01		<0.01	<0.01	<0.01
4/3/2012	<0.01		<0.01						
4/4/2012				<0.01	<0.01				
4/5/2012							<0.01	<0.01	
4/9/2012									<0.01
4/10/2012		<0.01				<0.01			
9/19/2012			<0.01				<0.01		
9/24/2012	<0.01				<0.01				
9/25/2012								<0.01	<0.01
9/26/2012		<0.01		<0.01		<0.01			
3/12/2013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
3/13/2013							<0.01	<0.01	<0.01
9/9/2013			<0.01						
9/10/2013		<0.01		<0.01	<0.01	<0.01	<0.01		
9/11/2013	<0.01							<0.01	<0.01
3/4/2014	<0.01	<0.01	<0.01			<0.01			
3/10/2014							<0.01	<0.01	<0.01
3/11/2014				<0.01	<0.01				

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	<0.01	<0.01	<0.01			<0.01	<0.01		
9/8/2014				<0.01	<0.01				
9/9/2014								<0.01	<0.01
4/21/2015	<0.01	<0.01		<0.01	<0.01	<0.01			
4/22/2015			<0.01				<0.01	<0.01	
4/23/2015									<0.01
9/29/2015		<0.01		<0.01	<0.01				
9/30/2015	<0.01		<0.01			<0.01	<0.01	<0.01	<0.01
3/22/2016	<0.01	<0.01	<0.01	<0.01	<0.01				
3/23/2016						<0.01			<0.01
3/24/2016							<0.01	<0.01	
9/7/2016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
9/8/2016							<0.01	<0.01	<0.01
3/23/2017	<0.01		<0.01	<0.01					
3/24/2017		<0.01			<0.01				
3/27/2017						<0.01	<0.01	<0.01	<0.01
10/4/2017	<0.01		<0.01	<0.01	<0.01				
10/5/2017		<0.01				<0.01	<0.01	<0.01	<0.01
3/14/2018	<0.01		<0.01						
3/15/2018		<0.01		<0.01	<0.01	<0.01		<0.01	
3/16/2018							<0.01		<0.01
10/4/2018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
10/5/2018							<0.01		<0.01
4/5/2019				<0.01					
4/8/2019	<0.01	<0.01	<0.01		<0.01				
4/9/2019						<0.01	<0.01	<0.01	<0.01
9/30/2019	<0.01	<0.01	<0.01	<0.01	<0.01				
10/1/2019						<0.01	<0.01	<0.01	<0.01
3/26/2020	<0.01	<0.01	<0.01	<0.01	<0.01				
3/27/2020						<0.01			
3/30/2020							<0.01		
3/31/2020								<0.01	<0.01
9/21/2020			<0.01						
9/22/2020		<0.01							
9/23/2020	<0.01			<0.01	<0.01				<0.01
9/24/2020							<0.01		
9/25/2020						<0.01			
9/28/2020								<0.01	
3/8/2021	<0.01	<0.01		<0.01	<0.01				
3/9/2021			<0.01			<0.01	<0.01		
3/10/2021								<0.01	<0.01
8/9/2021	0.0019 (J)		<0.01	<0.01	<0.01				
8/10/2021		<0.01				<0.01	<0.01	<0.01	<0.01

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.01	<0.01	<0.01					
3/7/2007				<0.01	<0.01			<0.01
5/8/2007				<0.01				<0.01
5/9/2007	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01	
7/6/2007				<0.01		<0.01	<0.01	<0.01
7/17/2007	<0.01	<0.01	<0.01		<0.01			
8/28/2007				<0.01	<0.01	<0.01	<0.01	<0.01
8/29/2007	<0.01	<0.01	<0.01					
11/6/2007				<0.01	<0.01	<0.01	<0.01	<0.01
11/7/2007	<0.01	<0.01	<0.01					
5/7/2008	<0.01	<0.01	<0.01					
5/8/2008				<0.01	<0.01	<0.01	<0.01	<0.01
12/2/2008						<0.01	<0.01	<0.01
12/3/2008				<0.01	<0.01			
12/5/2008	<0.01	<0.01	<0.01					
4/7/2009				<0.01	<0.01			
4/8/2009						<0.01	<0.01	0.0029
4/14/2009		<0.01	<0.01					
4/27/2009	<0.01							
9/30/2009	<0.01	<0.01					<0.01	<0.01
10/1/2009			<0.01	<0.01	<0.01	0.0039		
4/13/2010	<0.01	<0.01			<0.01	<0.01	<0.01	<0.01
4/14/2010			<0.01	<0.01				
10/6/2010					<0.01			
10/7/2010						<0.01		
10/12/2010	<0.01	<0.01						
10/13/2010			<0.01				<0.01	<0.01
10/14/2010				<0.01				
4/5/2011				<0.01	<0.01	0.0025	<0.01	<0.01
4/6/2011		<0.01	<0.01					
10/4/2011					<0.01	0.0027	<0.01	<0.01
10/5/2011	<0.01	<0.01						
10/12/2011			<0.01	<0.01				
4/3/2012					<0.01	<0.01	<0.01	
4/4/2012				<0.01				<0.01
4/9/2012		<0.01	<0.01					
4/10/2012	<0.01							
9/18/2012					<0.01	<0.01		
9/19/2012			<0.01				<0.01	<0.01
9/24/2012				<0.01				
9/25/2012		<0.01						
9/26/2012	<0.01							
3/12/2013				<0.01	<0.01	<0.01	<0.01	<0.01
3/13/2013	<0.01	<0.01	<0.01					
9/9/2013					<0.01			
9/10/2013			<0.01	<0.01		<0.01	<0.01	<0.01
9/11/2013	<0.01	<0.01						
3/5/2014				<0.01	<0.01	<0.01	<0.01	<0.01
3/11/2014	<0.01	<0.01	<0.01					
9/3/2014			<0.01					<0.01
9/8/2014					<0.01	0.0012 (J)		
9/9/2014	0.0029 (J)	<0.01		0.00093 (J)			<0.01	





# Time Series

Constituent: Zinc (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
3/6/2007	<0.01		<0.01	<0.01	<0.01			<0.01	
3/7/2007		<0.01				<0.01	<0.01		<0.01
5/8/2007	<0.01	0.0025	<0.01	<0.01	<0.01	<0.01			
5/9/2007							0.0026	0.0025	<0.01
7/7/2007	<0.01		<0.01						
7/17/2007		0.0047		0.0033	<0.01	0.0069	0.0043	0.0035	<0.01
8/28/2007	<0.01	0.0033	0.0026	<0.01	0.0026	<0.01	<0.01	<0.01	
8/29/2007									<0.01
11/6/2007	<0.01		<0.01	<0.01	<0.01				
11/7/2007		<0.01				<0.01	<0.01	<0.01	<0.01
5/7/2008							<0.01	<0.01	<0.01
5/8/2008				0.0033	0.0037				
5/9/2008	<0.01	<0.01	<0.01			<0.01			
12/2/2008		<0.01				<0.01			
12/3/2008	<0.01		<0.01	0.0054	0.003		<0.01		
12/4/2008								<0.01	
12/5/2008									<0.01
4/7/2009	0.0028		<0.01	<0.01	0.0045				
4/8/2009		<0.01				<0.01			
4/14/2009							<0.01	<0.01	<0.01
9/30/2009									<0.01
10/1/2009	<0.01	<0.01	<0.01			<0.01	<0.01		
10/2/2009				<0.01	0.0027			<0.01	
4/13/2010			<0.01				<0.01	0.0043	<0.01
4/14/2010	<0.01	<0.01		0.003	<0.01	<0.01			
10/7/2010			<0.01						
10/12/2010							<0.01	<0.01	<0.01
10/13/2010	<0.01	<0.01				<0.01			
10/14/2010				<0.01	0.0041				
4/5/2011				<0.01	<0.01				
4/6/2011	<0.01	<0.01	<0.01			<0.01	<0.01	<0.01	
10/4/2011		<0.01				<0.01			
10/6/2011			<0.01						
10/10/2011	<0.01								
10/12/2011				<0.01	0.0033		<0.01	<0.01	<0.01
4/3/2012	<0.01		<0.01						
4/4/2012				<0.01	<0.01				
4/5/2012							<0.01	<0.01	
4/9/2012									<0.01
4/10/2012		<0.01				<0.01			
9/19/2012			<0.01				<0.01		
9/24/2012	<0.01				0.0039				
9/25/2012								<0.01	<0.01
9/26/2012		<0.01		<0.01		<0.01			
3/12/2013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
3/13/2013							<0.01	<0.01	<0.01
9/9/2013			<0.01						
9/10/2013		<0.01		<0.01	0.0035	<0.01	<0.01		
9/11/2013	<0.01							<0.01	<0.01
3/4/2014	0.0026	<0.01	0.0035			0.0026			
3/10/2014							0.0022 (J)	0.0031	0.0024 (J)
3/11/2014				0.0037	0.0045				

# Time Series

Constituent: Zinc (mg/L) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-11 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-18	GWC-19	GWC-20
9/3/2014	0.001 (J)	0.00074 (J)	0.0015 (J)			0.00079 (J)	0.0013 (J)		
9/8/2014				0.00087 (J)	0.0026				
9/9/2014								0.00098 (J)	0.00078 (J)
4/21/2015	<0.01	<0.01		0.002 (J)	0.0028	<0.01			
4/22/2015			<0.01				0.0019 (J)	0.0015 (J)	
4/23/2015									<0.01
9/29/2015		0.0024 (J)		0.0021 (J)	0.008 (J)				
9/30/2015	<0.01		0.0026 (J)			0.0018 (J)	0.0037 (J)	0.002 (J)	0.0016 (J)
3/22/2016	<0.01	<0.01	<0.01	<0.01	<0.01				
3/23/2016						<0.01			<0.01
3/24/2016							<0.01	<0.01	
9/7/2016	0.0047 (J)	0.0023 (J)	0.0024 (J)	0.0034 (J)	0.0035 (J)	<0.01			
9/8/2016							0.0024 (J)	0.0029 (J)	<0.01
3/23/2017	<0.01		<0.01	0.0031 (J)					
3/24/2017		0.0068 (J)			0.0095 (J)				
3/27/2017						0.0014 (J)	<0.01	0.0019 (J)	0.0017 (J)
10/4/2017	<0.01		0.0017 (J)	<0.01	0.0031 (J)				
10/5/2017		<0.01				<0.01	<0.01	0.0024 (J)	0.0016 (J)
3/14/2018	0.0032 (J)		0.0023 (J)						
3/15/2018		0.0042 (J)		0.0028 (J)	0.0041 (J)	<0.01		<0.01	
3/16/2018							<0.01		<0.01
10/4/2018	0.003 (J)	0.0046 (J)	0.0041 (J)	0.0043 (J)	0.0058 (J)	0.0033 (J)		0.013	
10/5/2018							0.0029 (J)		<0.01
4/5/2019				0.0013 (J)					
4/8/2019	<0.01	0.0024 (J)	0.0014 (J)		0.0023 (J)				
4/9/2019						<0.01	0.0037 (J)	<0.01	<0.01
9/30/2019	0.0032 (J)	0.004 (J)	0.0043 (J)	0.0045 (J)	0.0059 (J)				
10/1/2019						0.0049 (J)	0.006 (J)	0.0049 (J)	0.0063 (J)
3/26/2020	<0.01	<0.01	<0.01	<0.01	<0.01				
3/27/2020						<0.01			
3/30/2020							<0.01		
3/31/2020								<0.01	<0.01
9/21/2020			<0.01						
9/22/2020		<0.01							
9/23/2020	0.0025 (J)			<0.01	0.0025 (J)				<0.01
9/24/2020							<0.01		
9/25/2020						<0.01			
9/28/2020								0.0033 (J)	
3/8/2021	<0.01	<0.01		<0.01	0.0034 (J)				
3/9/2021			<0.01			<0.01	<0.01		
3/10/2021								<0.01	<0.01
8/9/2021	<0.01		<0.01	<0.01	<0.01				
8/10/2021		<0.01				<0.01	<0.01	<0.01	<0.01

# Time Series

Constituent: Zinc (mg/L) Analysis Run 10/21/2021 1:24 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/6/2007	<0.01	<0.01	0.0054					
3/7/2007				0.0064	<0.01			<0.01
5/8/2007				<0.01				0.0027
5/9/2007	<0.01	0.0035	0.0041		<0.01	45 (o)	0.0038	
7/6/2007				<0.01		16 (o)	<0.01	0.0032
7/17/2007	0.0031	<0.01	0.005		<0.01			
8/28/2007				0.0025	<0.01	11 (o)	<0.01	0.0026
8/29/2007	0.0056	<0.01	0.0044					
11/6/2007				<0.01	<0.01	8.3	<0.01	<0.01
11/7/2007	0.0059	<0.01	<0.01					
5/7/2008	0.0059	<0.01	<0.01					
5/8/2008				<0.01	<0.01	5	<0.01	<0.01
12/2/2008						3.2	<0.01	<0.01
12/3/2008				<0.01	<0.01			
12/5/2008	<0.01	<0.01	<0.01					
4/7/2009				0.0025	<0.01			
4/8/2009						2.4	<0.01	<0.01
4/14/2009		<0.01	<0.01					
4/27/2009	0.0051							
9/30/2009	0.0066	<0.01					<0.01	<0.01
10/1/2009			<0.01	<0.01	<0.01	1.9		
4/13/2010	0.0041	<0.01			<0.01	1.9	<0.01	<0.01
4/14/2010			<0.01	<0.01				
10/6/2010					<0.01			
10/7/2010						1.6		
10/12/2010	0.004	<0.01						
10/13/2010			<0.01				<0.01	<0.01
10/14/2010				<0.01				
4/5/2011				0.0025	<0.01	1.1	<0.01	<0.01
4/6/2011		<0.01	<0.01					
10/4/2011					<0.01	1.1	<0.01	<0.01
10/5/2011	0.0043	<0.01						
10/12/2011			<0.01	0.0037				
4/3/2012					<0.01	0.75	<0.01	
4/4/2012				<0.01				<0.01
4/9/2012		<0.01	<0.01					
4/10/2012	0.0108							
9/18/2012					<0.01	0.88		
9/19/2012			<0.01				<0.01	<0.01
9/24/2012				<0.01				
9/25/2012		<0.01						
9/26/2012	0.0066							
3/12/2013				<0.01	<0.01	0.23	<0.01	<0.01
3/13/2013	0.0035	<0.01	<0.01					
9/9/2013					<0.01			
9/10/2013			<0.01	<0.01		0.36	<0.01	<0.01
9/11/2013	0.005	<0.01						
3/5/2014				0.0028	0.0026	0.33	0.0028	0.0029
3/11/2014	0.005	0.0037	0.0033					
9/3/2014			0.0014 (J)					0.0011 (J)
9/8/2014					0.00055 (J)	0.47		
9/9/2014	0.0041	0.0006 (J)		0.00058 (J)			0.0014 (J)	

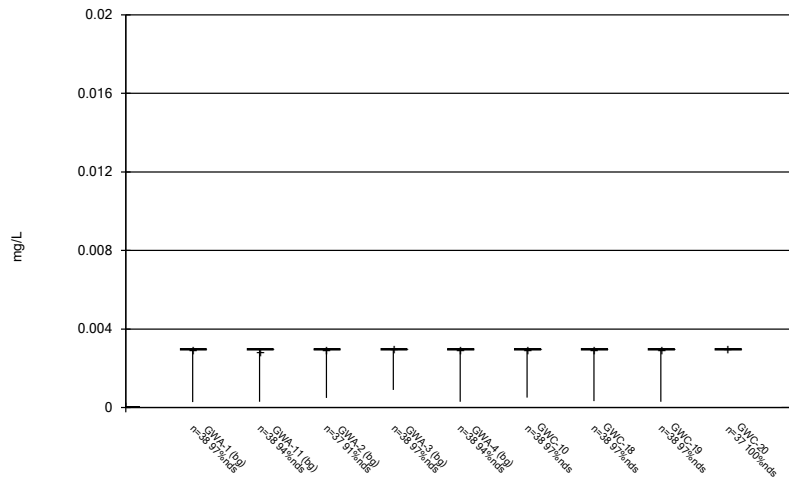
# Time Series

Constituent: Zinc (mg/L) Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-22	GWC-23	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
4/21/2015				0.0043		0.27		<0.01
4/22/2015					<0.01		<0.01	
4/23/2015		<0.01	0.0024 (J)					
9/29/2015				0.0031 (J)	0.0026 (J)	0.359	0.0016 (J)	0.0034 (J)
9/30/2015	0.0031 (J)	0.0021 (J)	0.0041 (J)					
3/23/2016		<0.01	<0.01	0.00272 (J)	<0.01	0.102	<0.01	<0.01
3/24/2016	0.00393 (J)							
9/7/2016				<0.01	0.0024 (J)	0.24		
9/8/2016	0.0047 (J)	<0.01	<0.01				<0.01	<0.01
3/23/2017				0.0026 (J)	0.0035 (J)			
3/24/2017						0.0512	0.0031 (J)	
3/27/2017	0.0036 (J)	<0.01	0.0014 (J)					0.0014 (J)
10/4/2017				<0.01	<0.01	0.159		
10/5/2017	0.0065 (J)	<0.01	0.0014 (J)				<0.01	0.0013 (J)
3/14/2018							0.0053 (J)	
3/15/2018	0.0053 (J)	<0.01	0.0039 (J)			0.12		<0.01
3/16/2018				<0.01	0.0029 (J)			
10/4/2018	0.0077 (J)	0.003 (J)		0.0028 (J)	0.0039 (J)	0.22	0.0031 (J)	
10/5/2018			0.0048 (J)					0.0044 (J)
4/8/2019			0.0016 (J)		0.0013 (J)	0.051	0.0012 (J)	0.0016 (J)
4/9/2019	0.0041 (J)	<0.01		<0.01				
10/1/2019	0.0078 (J)	0.0054 (J)	0.0057 (J)	0.0053 (J)	0.0056 (J)	0.12	0.0055 (J)	0.0052 (J)
3/26/2020			<0.01					
3/27/2020							<0.01	<0.01
3/30/2020						0.051		
3/31/2020	<0.01	<0.01		<0.01	<0.01			
9/23/2020		<0.01	0.0022 (J)					
9/24/2020	0.0046 (J)					0.07	<0.01	<0.01
9/25/2020				<0.01	<0.01			
3/9/2021	0.0033 (J)	<0.01	<0.01	<0.01	<0.01	0.057	<0.01	<0.01
8/10/2021	<0.01	<0.01	<0.01	<0.01	<0.01	0.093	<0.01	<0.01

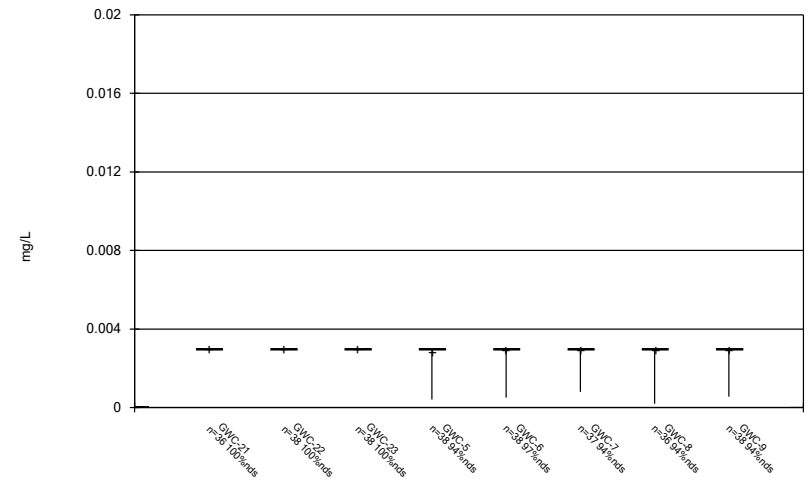
FIGURE B.

Box & Whiskers Plot



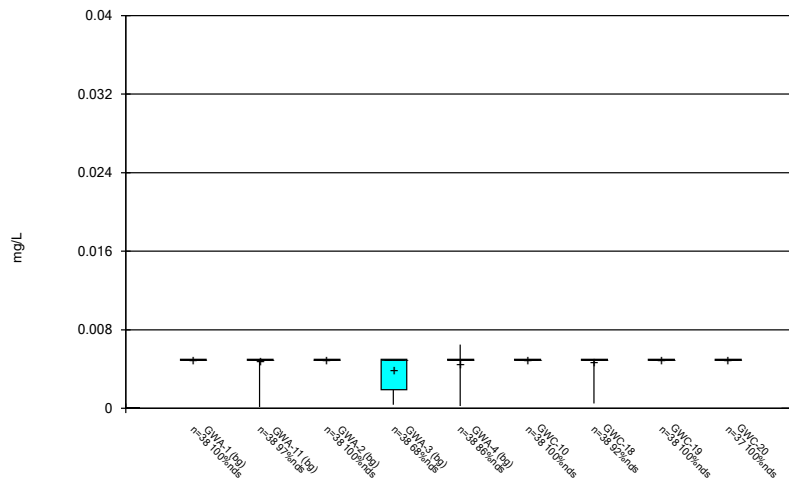
Constituent: Antimony Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



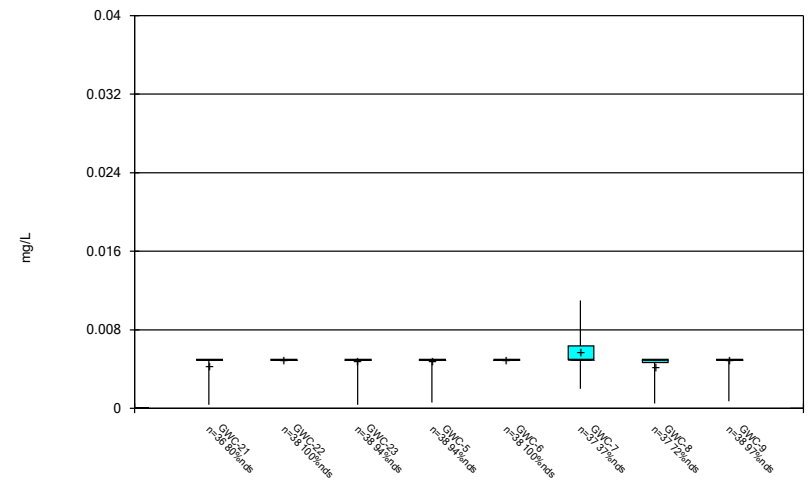
Constituent: Antimony Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



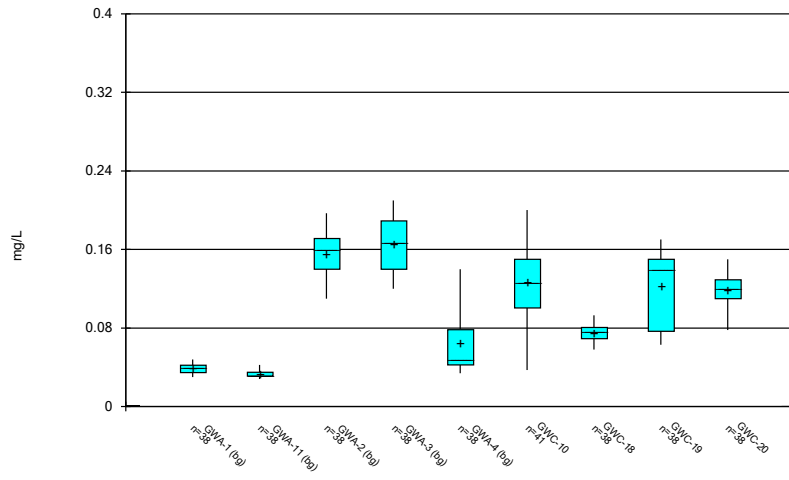
Constituent: Arsenic Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



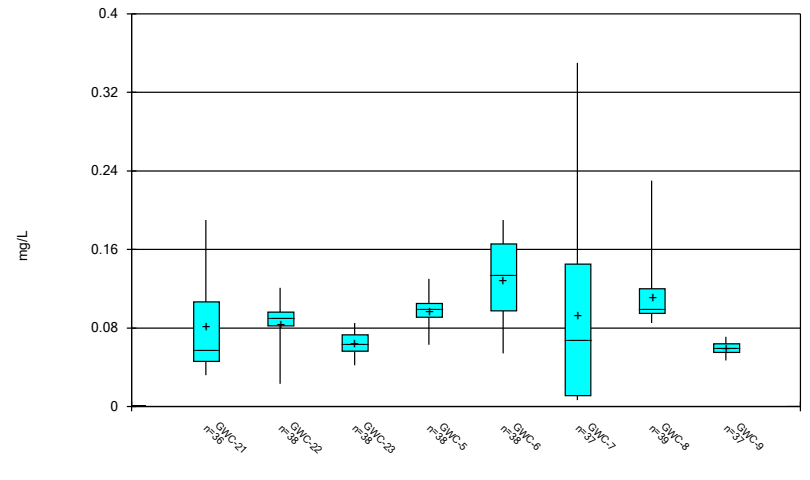
Constituent: Arsenic Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



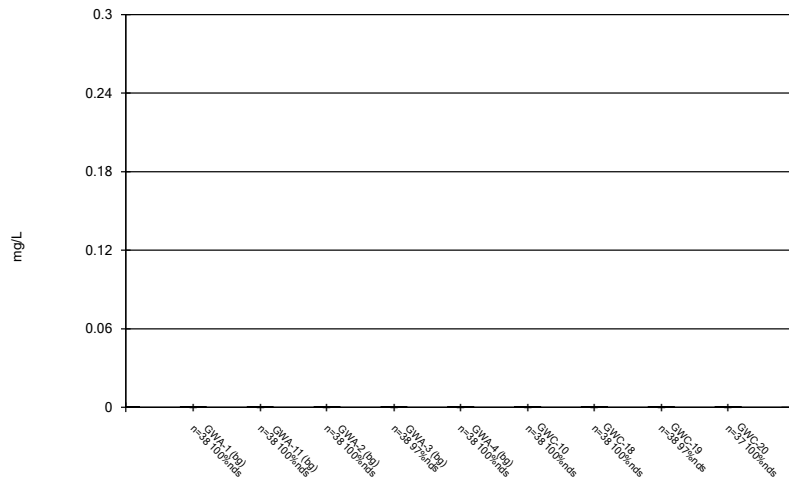
Constituent: Barium Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



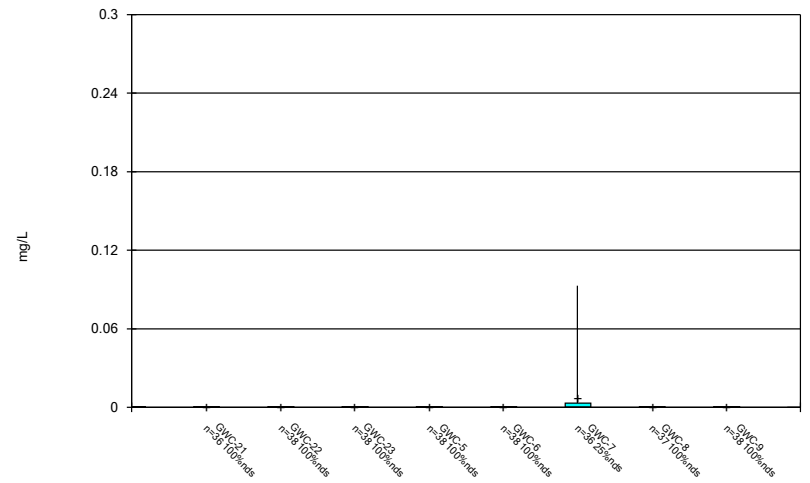
Constituent: Barium Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



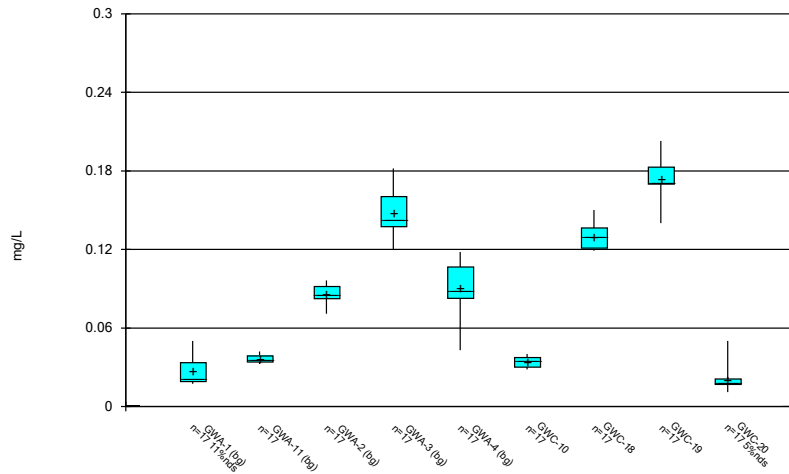
Constituent: Beryllium Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



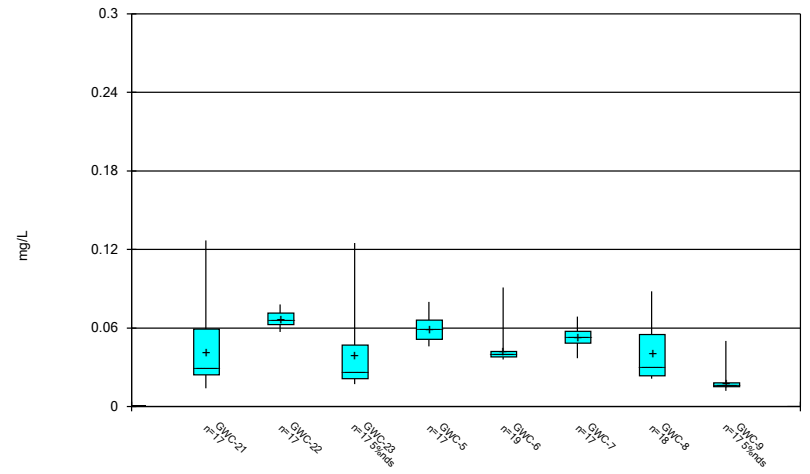
Constituent: Beryllium Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



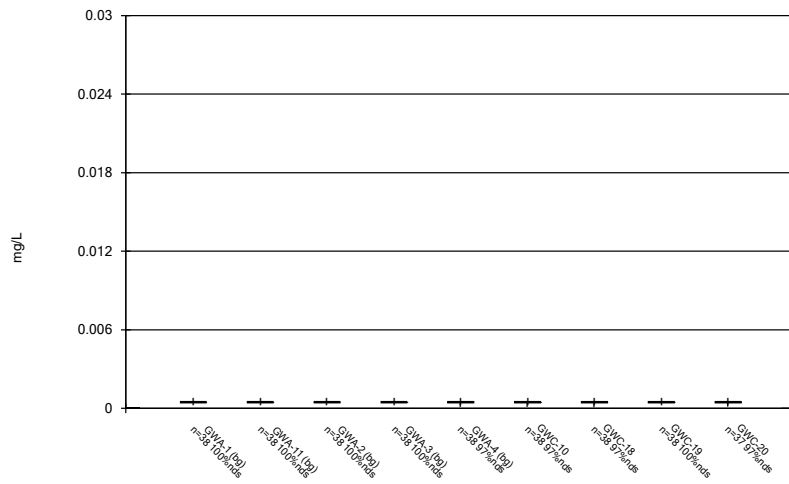
Constituent: Boron Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



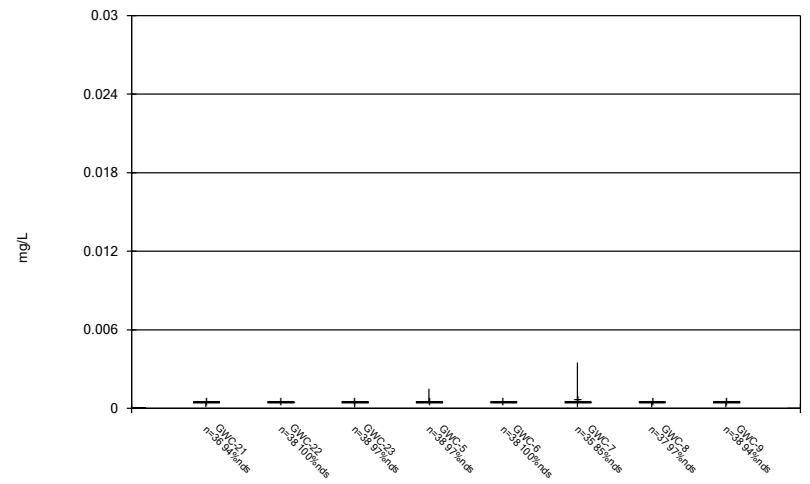
Constituent: Boron Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



Constituent: Cadmium Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

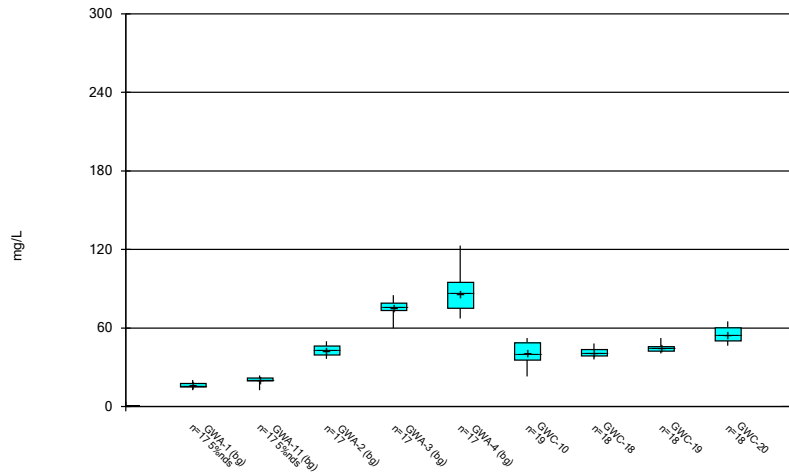
### Box & Whiskers Plot



Constituent: Cadmium Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

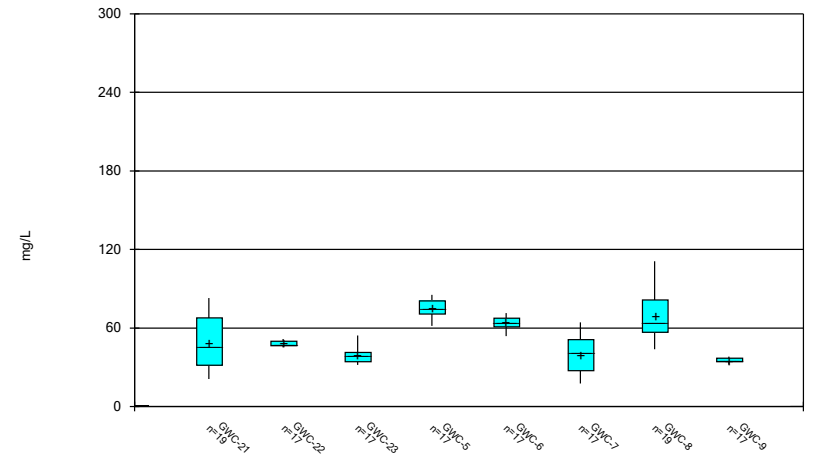


Box & Whiskers Plot



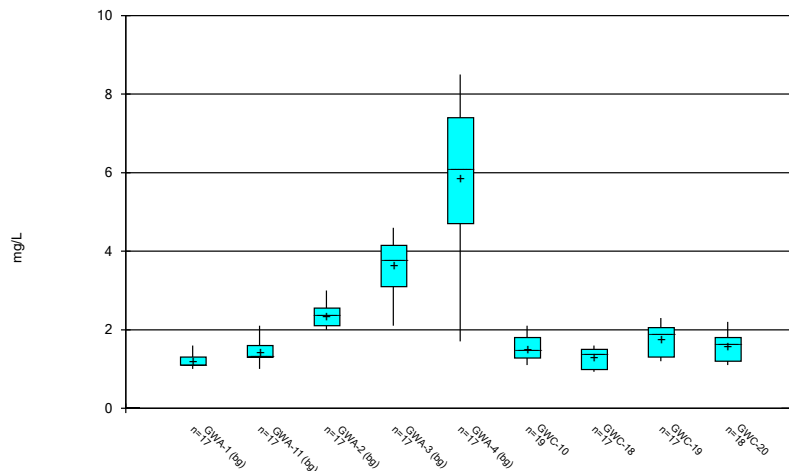
Constituent: Calcium Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



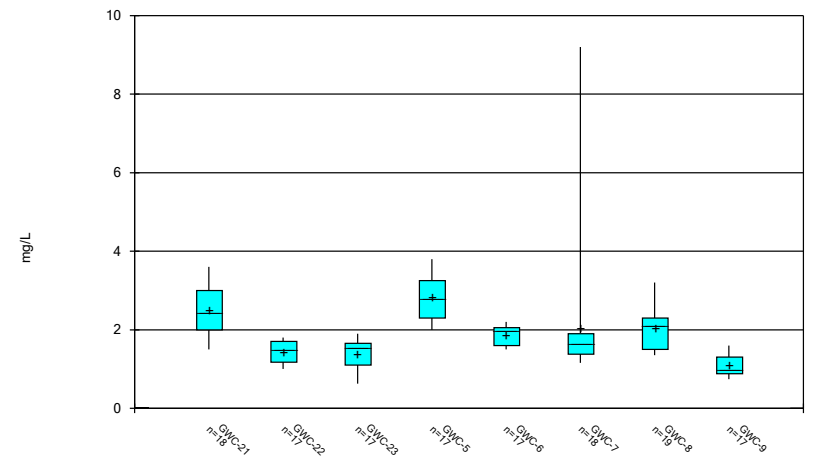
Constituent: Calcium Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



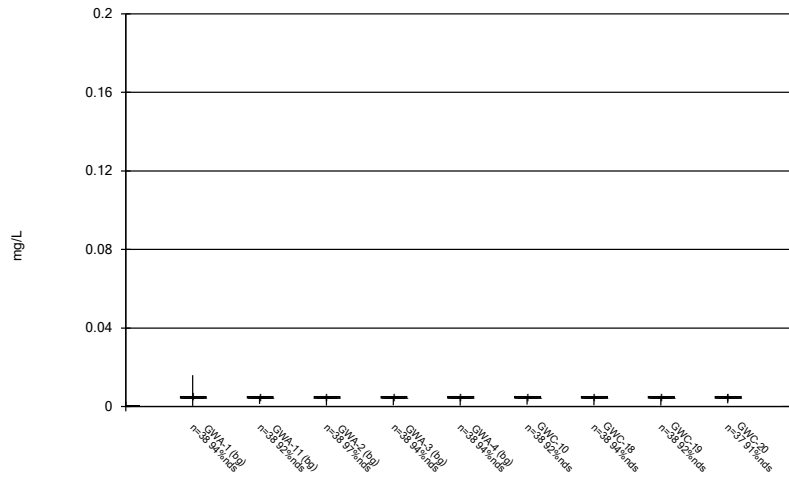
Constituent: Chloride Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



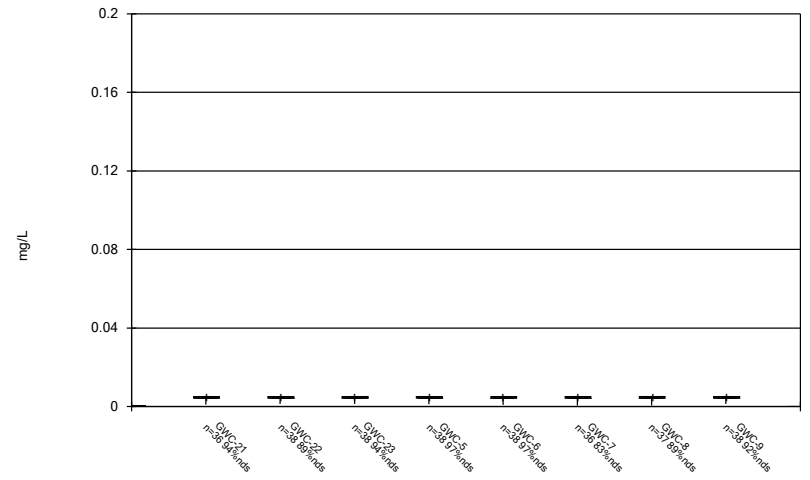
Constituent: Chloride Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



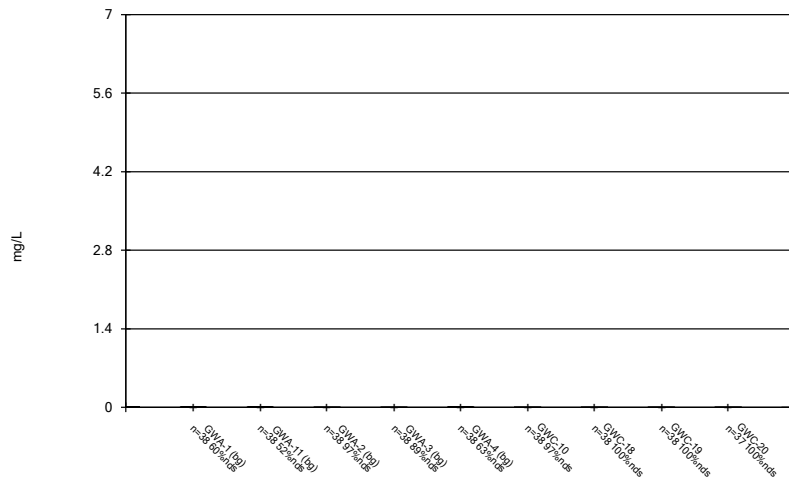
Constituent: Chromium Analysis Run 10/21/2021 1:24 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



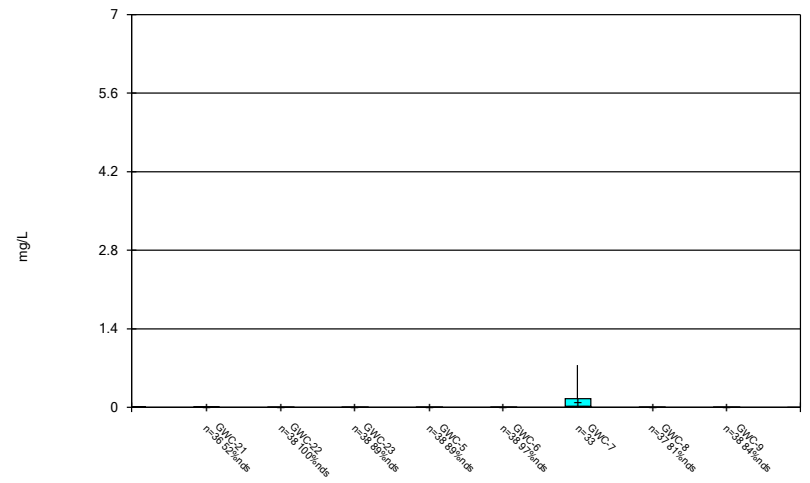
Constituent: Chromium Analysis Run 10/21/2021 1:25 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



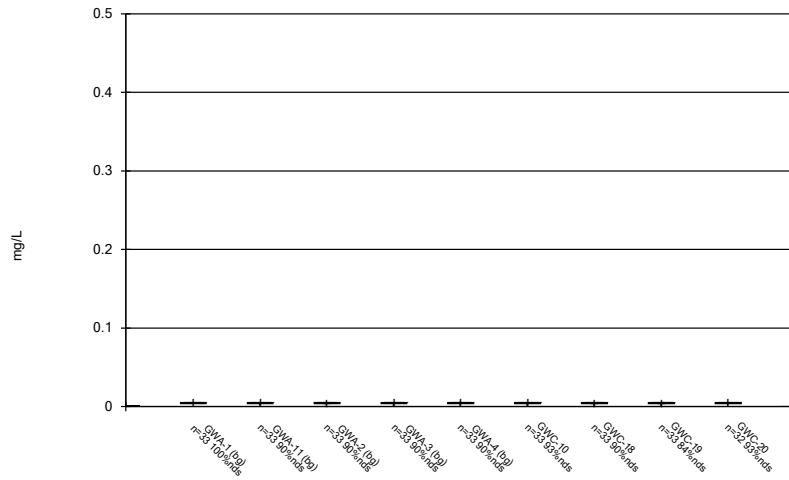
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



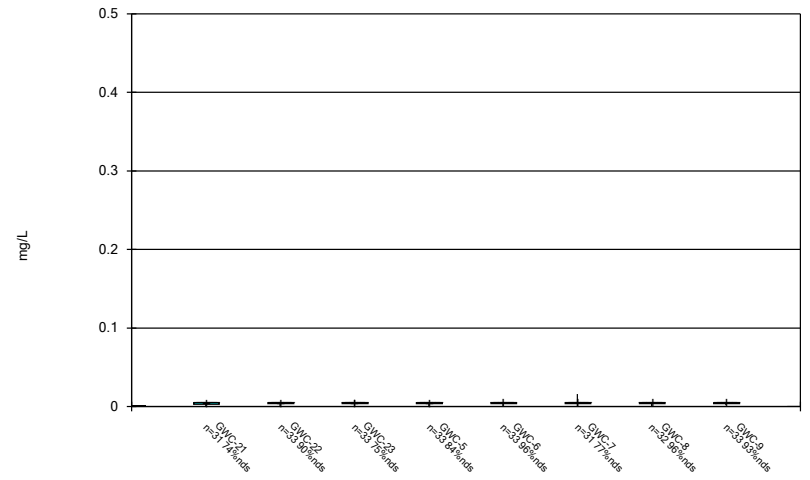
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



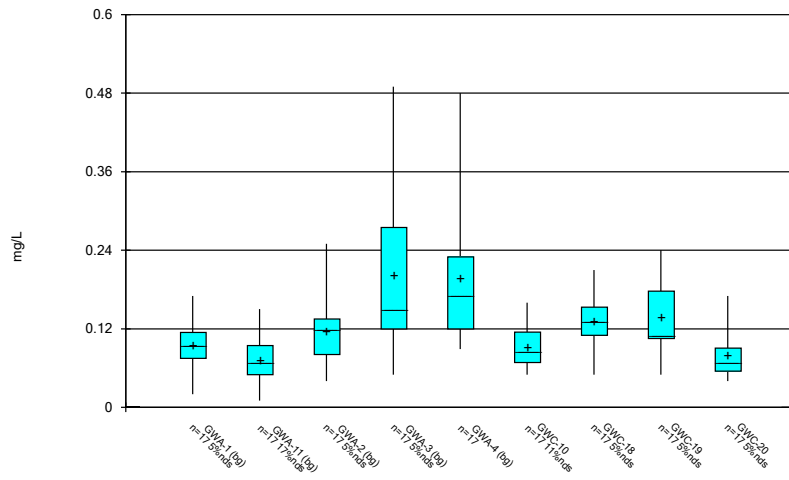
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



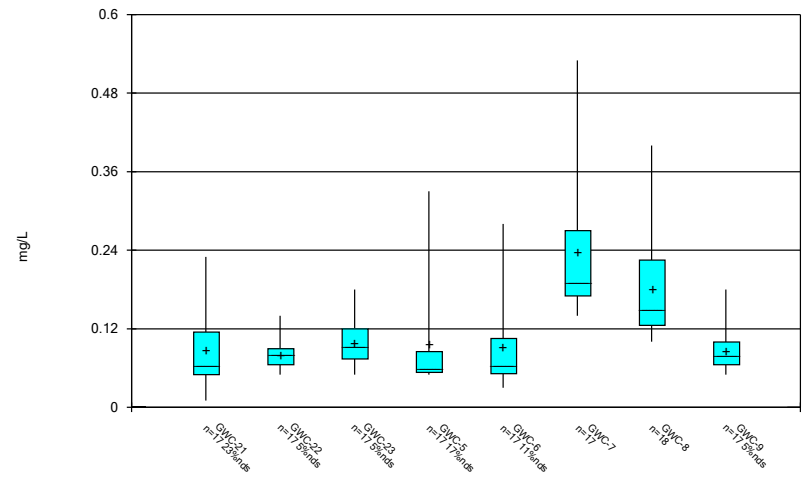
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



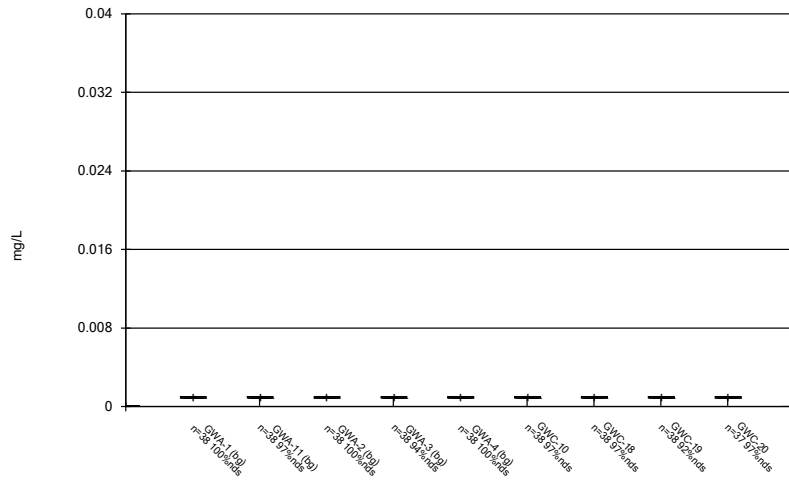
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



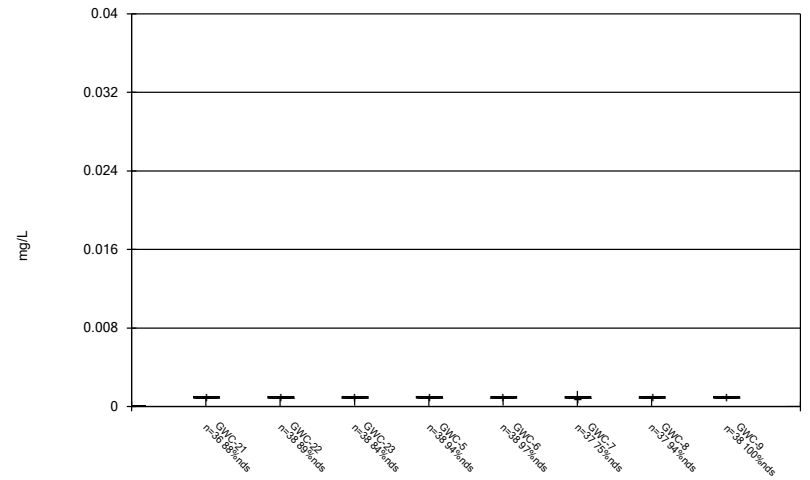
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



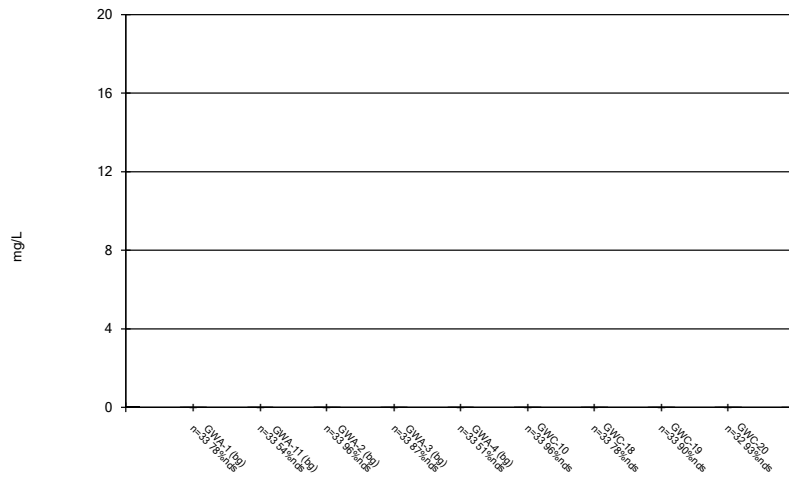
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



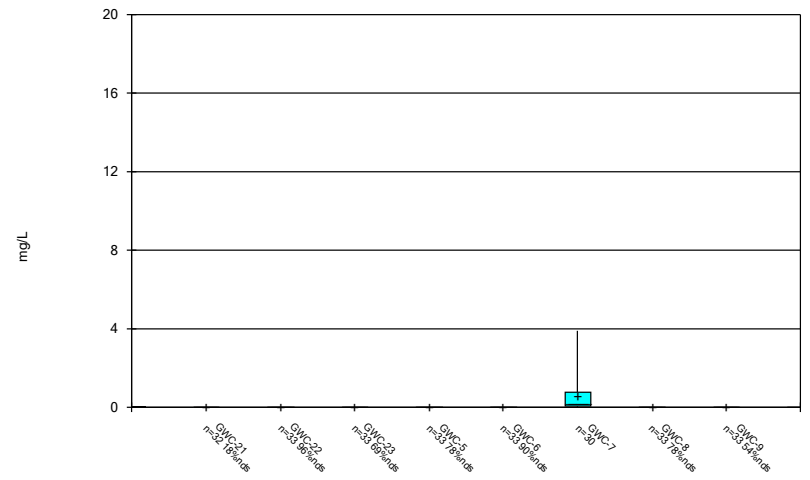
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### Box & Whiskers Plot



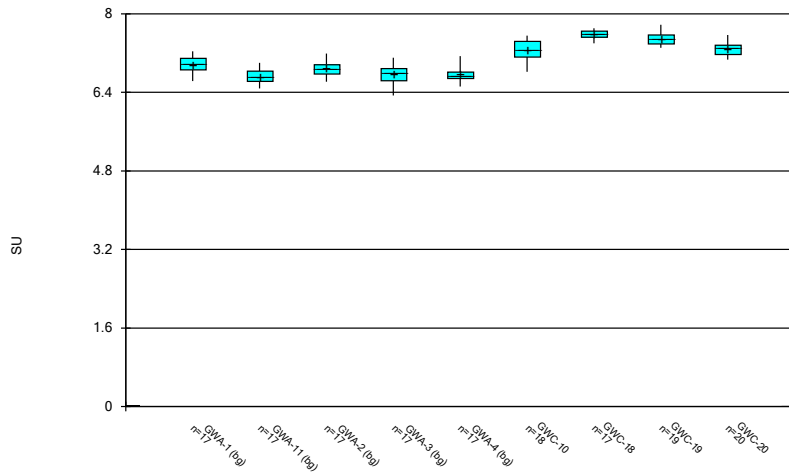
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



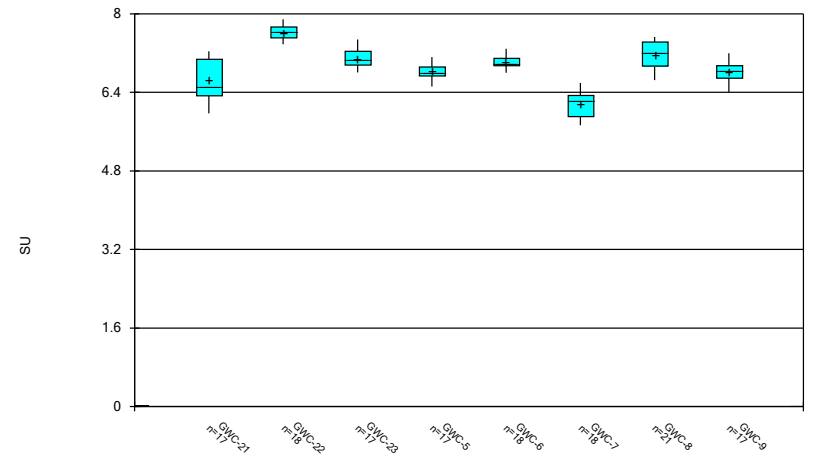
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



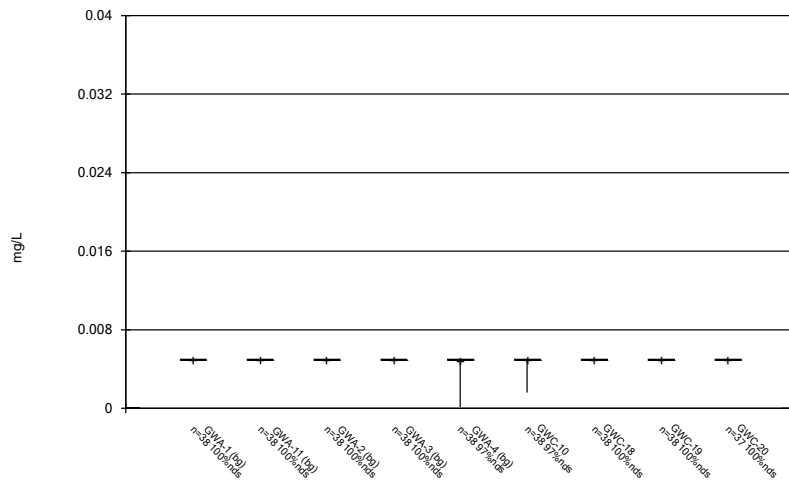
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



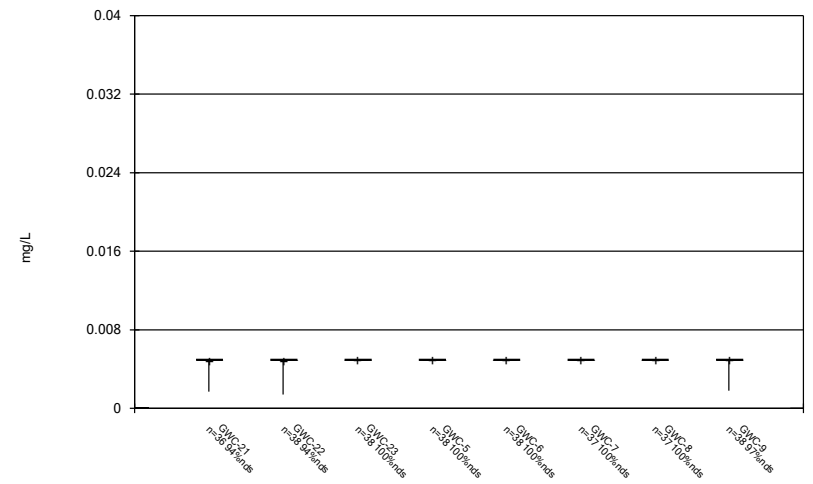
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



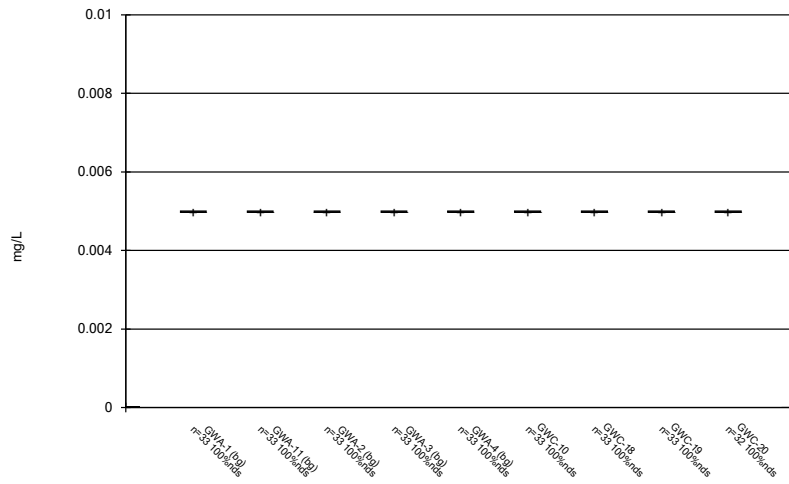
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



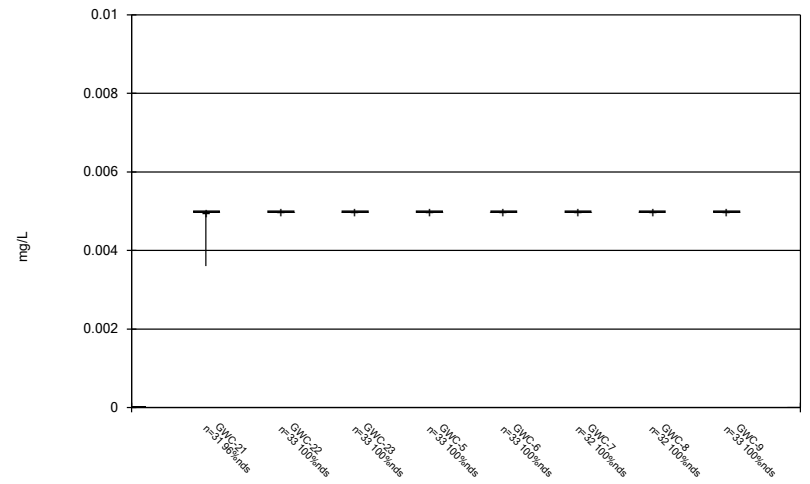
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



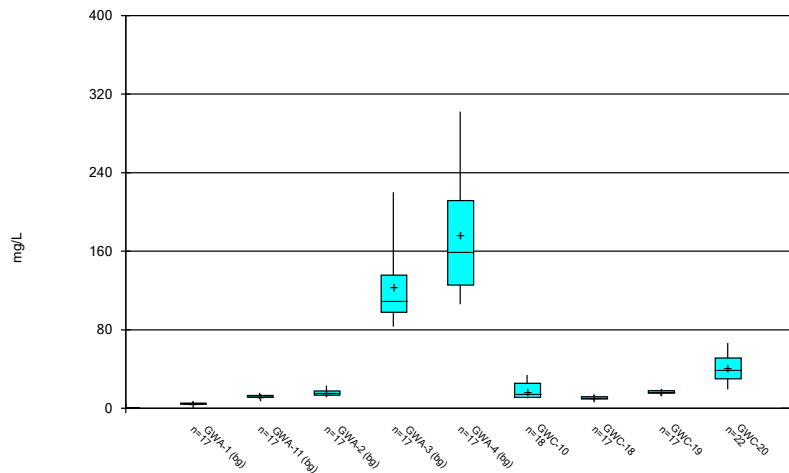
Constituent: Silver Analysis Run 10/21/2021 1:25 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



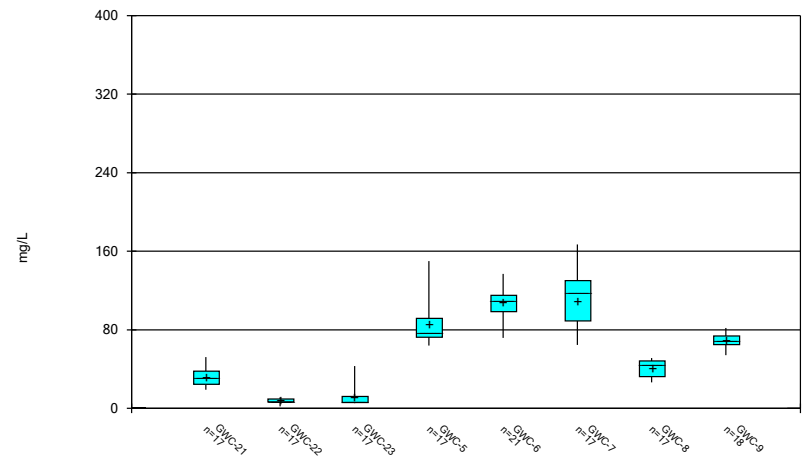
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 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



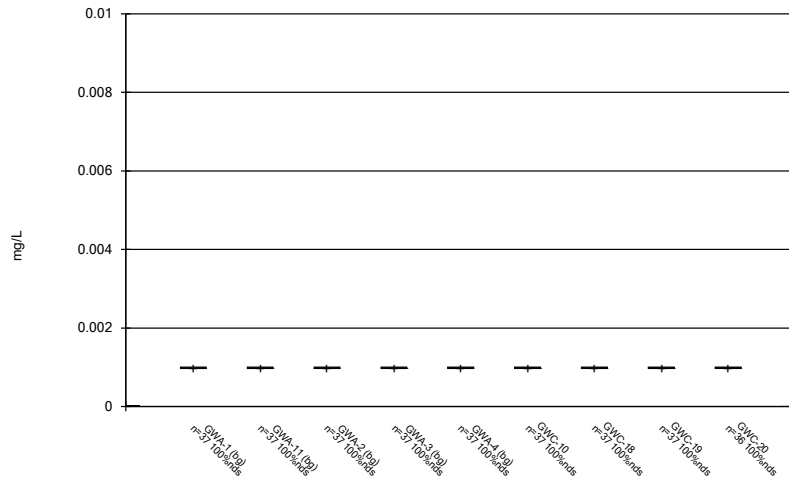
Constituent: Sulfate Analysis Run 10/21/2021 1:25 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



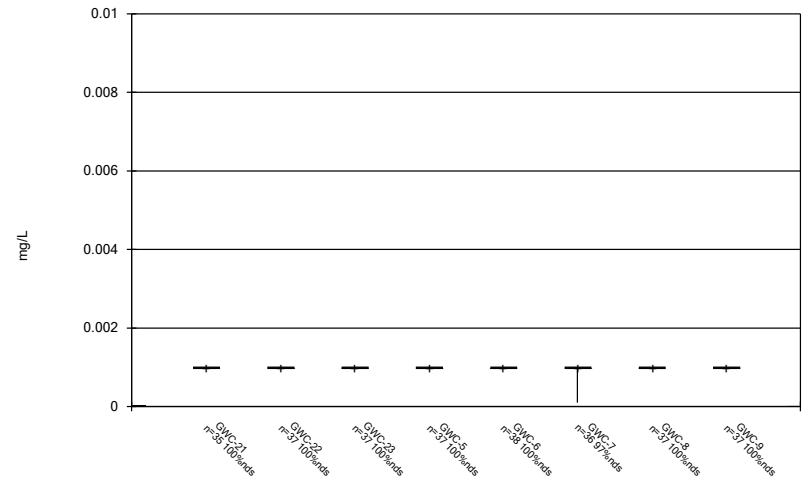
Constituent: Sulfate Analysis Run 10/21/2021 1:25 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



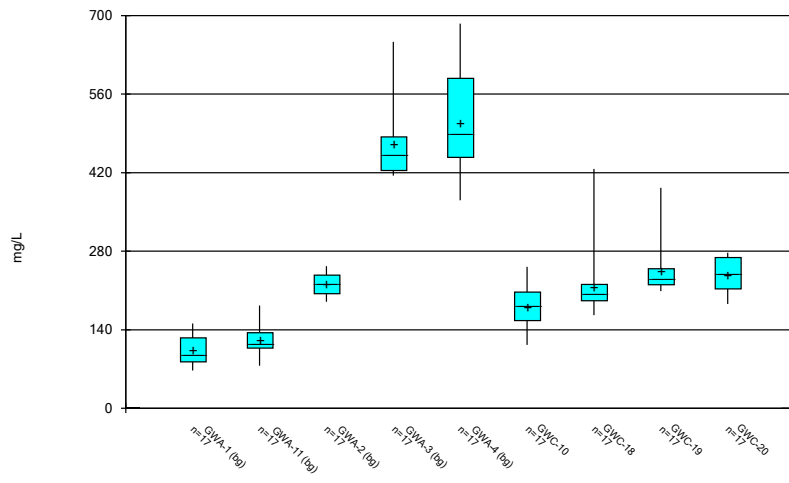
Constituent: Thallium Analysis Run 10/21/2021 1:25 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



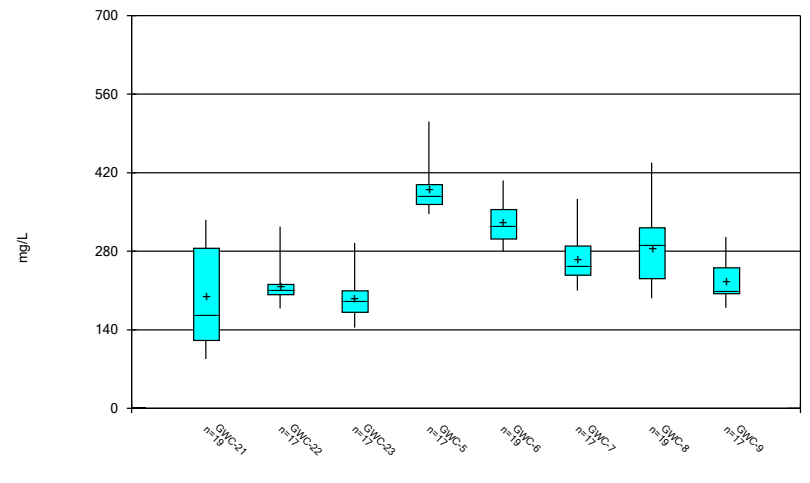
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



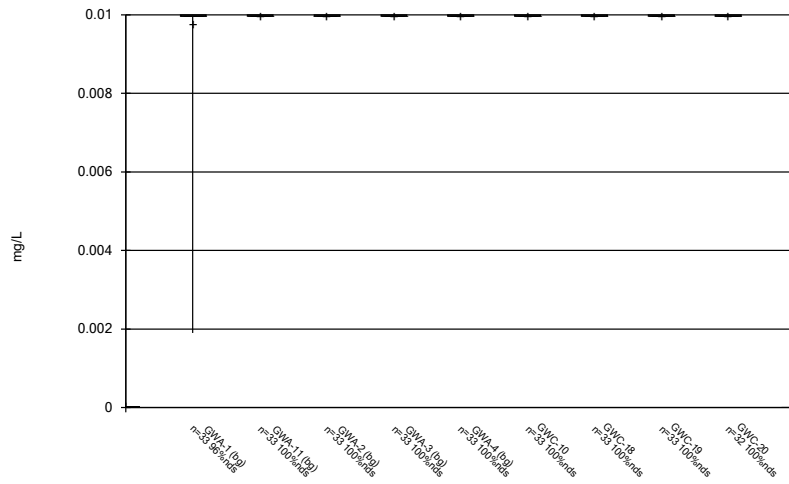
Constituent: Total Dissolved Solids Analysis Run 10/21/2021 1:25 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



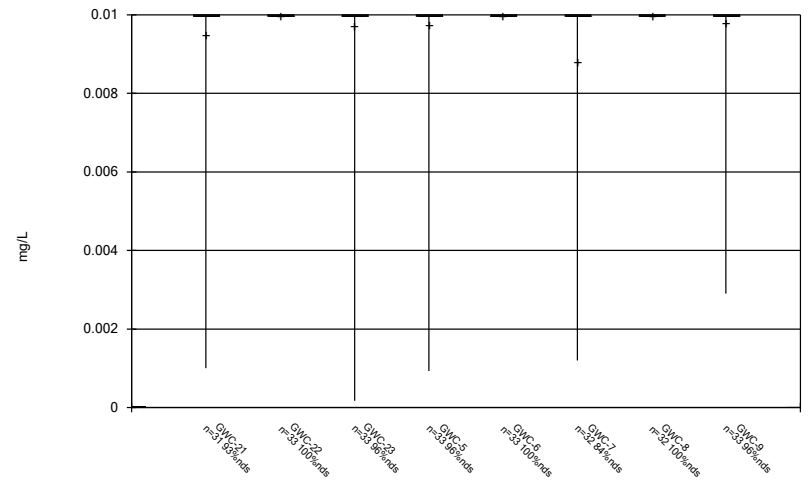
Constituent: Total Dissolved Solids Analysis Run 10/21/2021 1:25 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



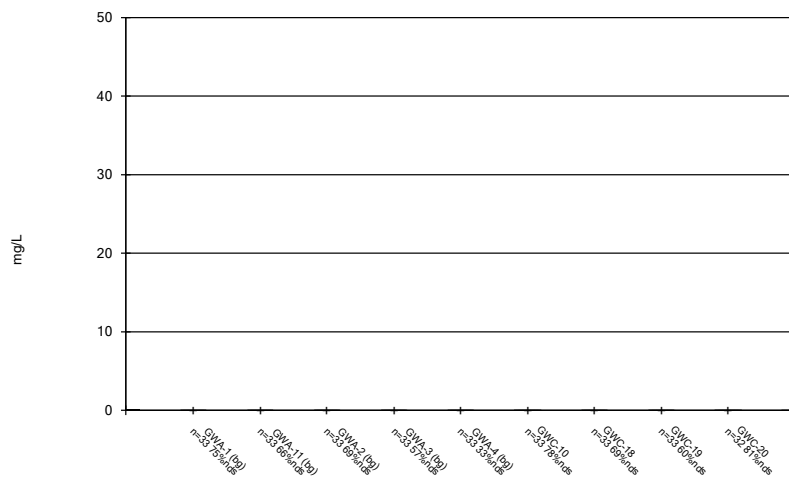
Constituent: Vanadium Analysis Run 10/21/2021 1:25 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



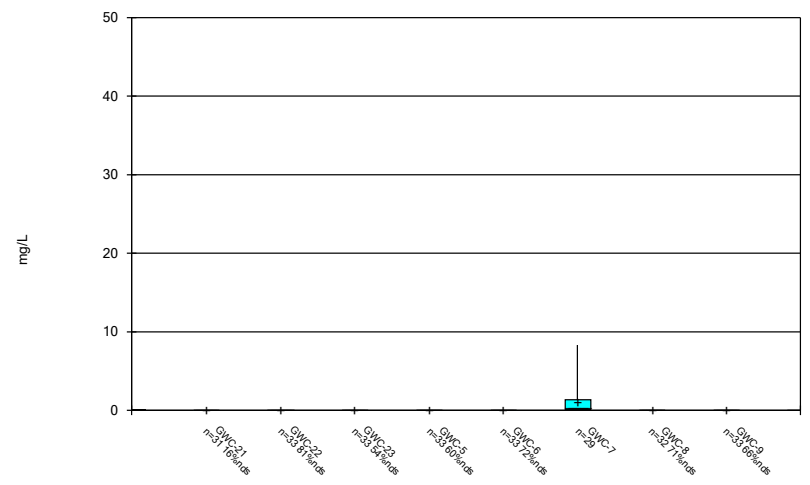
Constituent: Vanadium Analysis Run 10/21/2021 1:25 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



Constituent: Zinc Analysis Run 10/21/2021 1:25 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



Constituent: Zinc Analysis Run 10/21/2021 1:25 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



FIGURE C.

# Outlier Summary

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 3:40 PM

	GWC-8 Antimony (mg/L)	GWC-7 Arsenic (mg/L)	GWC-9 Barium (mg/L)	GWC-7 Beryllium (mg/L)	GWC-7 Cadmium (mg/L)	GWC-8 Calcium (mg/L)	GWC-20 Chloride (mg/L)	GWC-7 Chromium (mg/L)	GWC-7 Cobalt (mg/L)	GWC-7 Copper (mg/L)
5/9/2007	0.038 (o)		0.28 (o)	0.023 (o)			0.11 (o)	6.5 (o)	0.44 (o)	
7/6/2007				0.0081 (o)				2.1 (o)		
8/28/2007								1.4 (o)		
11/6/2007	0.0064 (o)							1.1 (o)		
4/5/2011		0.035 (o)								
10/5/2017							5.5 (o)			
10/4/2018						264 (o)				

	GWC-7 Nickel (mg/L)	GWC-7 Zinc (mg/L)
5/9/2007	18 (o)	45 (o)
7/6/2007	5.9 (o)	16 (o)
8/28/2007		11 (o)
11/6/2007		
4/5/2011		
10/5/2017		
10/4/2018		

FIGURE D.

# Appendix I Intrawell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-18	0.08974	n/a	8/10/2021	0.093	Yes	32	0.07311	0.006987	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-20	0.1358	n/a	8/10/2021	0.14	Yes	31	0.001502	0.0004195	0	None	x^3	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-23	0.08464	n/a	8/10/2021	0.085	Yes	32	0.06272	0.009212	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-8	0.1227	n/a	8/10/2021	0.23	Yes	31	0.316	0.01439	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.005	n/a	8/10/2021	0.0073	Yes	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 9/2/2021, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.003	n/a	8/9/2021	0.003ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-11	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-2	0.003	n/a	8/9/2021	0.0023J	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-3	0.003	n/a	8/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-4	0.003	n/a	8/9/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-19	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-5	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-7	0.003	n/a	8/10/2021	0.003ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-8	0.003	n/a	8/10/2021	0.003ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-9	0.003	n/a	8/10/2021	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-11	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	71.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4	0.0065	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21	0.005	n/a	8/10/2021	0.005ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7	0.0088	n/a	8/10/2021	0.0072	No	30	n/a	n/a	46.67	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-8	0.005	n/a	8/10/2021	0.005	No	31	n/a	n/a	87.1	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-9	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.05021	n/a	8/9/2021	0.046	No	32	0.03919	0.00463	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-11	0.04217	n/a	8/10/2021	0.03	No	32	-3.4	0.09826	0	None	ln(x)	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-2	0.1987	n/a	8/9/2021	0.19	No	23	0.1657	0.01314	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-3	0.2268	n/a	8/9/2021	0.12	No	32	0.1719	0.02304	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWA-4	0.14	n/a	8/9/2021	0.034	No	32	n/a	n/a	0	n/a	n/a	0.001803	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-10	0.1952	n/a	8/10/2021	0.14	No	34	0.1271	0.02885	0	None	No	0.0002926	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-18</b>	<b>0.08974</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.093</b>	<b>Yes</b>	<b>32</b>	<b>0.07311</b>	<b>0.006987</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-19	0.1697	n/a	8/10/2021	0.14	No	23	0.0003879	0.000176	0	None	x^4	0.0002926	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-20</b>	<b>0.1358</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.14</b>	<b>Yes</b>	<b>31</b>	<b>0.001502</b>	<b>0.0004195</b>	<b>0</b>	<b>None</b>	<b>x^3</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-21	0.2404	n/a	8/10/2021	0.057	No	30	-2.722	0.5402	0	None	ln(x)	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-22	0.121	n/a	8/10/2021	0.091	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-23</b>	<b>0.08464</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.085</b>	<b>Yes</b>	<b>32</b>	<b>0.06272</b>	<b>0.009212</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-5	0.1274	n/a	8/10/2021	0.077	No	32	0.1019	0.01074	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.1978	n/a	8/10/2021	0.18	No	11	0.1654	0.01034	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-7	0.4063	n/a	8/10/2021	0.14	No	19	0.3226	0.1206	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-8</b>	<b>0.1227</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.23</b>	<b>Yes</b>	<b>31</b>	<b>0.316</b>	<b>0.01439</b>	<b>0</b>	<b>None</b>	<b>sqrt(x)</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-9	0.07338	n/a	8/10/2021	0.067	No	20	0.06193	0.00445	0	None	No	0.0002926	Param Intra 1 of 2
Beryllium (mg/L)	GWA-3	0.0005	n/a	8/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19	0.0005	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-7	0.093	n/a	8/10/2021	0.000061J	No	30	n/a	n/a	23.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Cadmium (mg/L)	GWA-4	0.0005	n/a	8/9/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-10	0.0005	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-18	0.0005	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-20	0.0005	n/a	8/10/2021	0.0005ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21	0.0005	n/a	8/10/2021	0.0005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-23	0.0005	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-5	0.0015	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-7	0.0035	n/a	8/10/2021	0.0005ND	No	29	n/a	n/a	82.76	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8	0.0005	n/a	8/10/2021	0.0005ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-9	0.0005	n/a	8/10/2021	0.0005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.016	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-11	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2

# Appendix I Intrawell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWA-3	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-4	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20	0.0064	n/a	8/10/2021	0.005ND	No	31	n/a	n/a	90.32	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21	0.005	n/a	8/10/2021	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-5	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-7	0.005	n/a	8/10/2021	0.005ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-8	0.005	n/a	8/10/2021	0.005ND	No	31	n/a	n/a	90.32	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	90.63	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-1	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-11	0.01	n/a	8/10/2021	0.00047J	No	32	n/a	n/a	62.5	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-3	0.005	n/a	8/9/2021	0.00042J	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-4	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	68.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-10	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21	0.01	n/a	8/10/2021	0.0041J	No	30	n/a	n/a	63.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-23	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-5	0.005	n/a	8/10/2021	0.00098J	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-6	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-7	0.08032	n/a	8/10/2021	0.013	No	17	0.03376	0.01735	0	None	No	0.0002926	Param Intra 1 of 2
Cobalt (mg/L)	GWC-8	0.01	n/a	8/10/2021	0.004J	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-9	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	93.75	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-11	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.005	n/a	8/9/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-3	0.005	n/a	8/9/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-4	0.0066	n/a	8/9/2021	0.00051J	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-10	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-18	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.005	n/a	8/10/2021	0.005ND	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21	0.005	n/a	8/10/2021	0.005ND	No	25	n/a	n/a	76	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-23	0.0084	n/a	8/10/2021	0.00078J	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-5	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-7	0.016	n/a	8/10/2021	0.005ND	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8	0.005	n/a	8/10/2021	0.005ND	No	26	n/a	n/a	100	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.005	n/a	8/10/2021	0.0018J	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-11	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-3	0.001	n/a	8/9/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-20	0.001	n/a	8/10/2021	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21	0.001	n/a	8/10/2021	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-5	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6	0.001	n/a	8/10/2021	0.001ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-7	0.0016	n/a	8/10/2021	0.001ND	No	31	n/a	n/a	83.87	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8	0.001	n/a	8/10/2021	0.001ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2

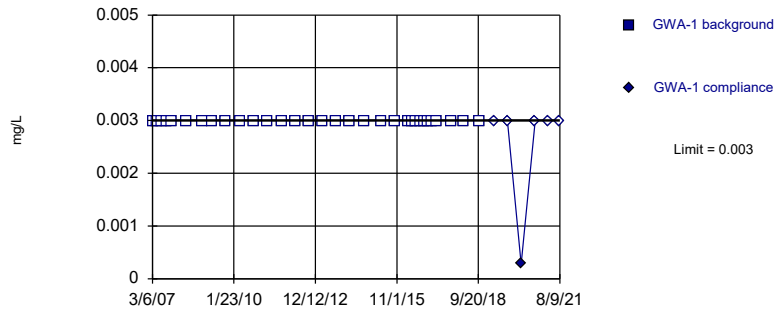
# Appendix I Intrawell Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 9/2/2021, 3:49 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-1	0.005	n/a	8/9/2021	0.005ND	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-11	0.01	n/a	8/10/2021	0.0017J	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.005	n/a	8/9/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-3	0.005	n/a	8/9/2021	0.005ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-4	0.0055	n/a	8/9/2021	0.001J	No	27	n/a	n/a	59.26	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0062	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	88.89	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.005	n/a	8/10/2021	0.005ND	No	26	n/a	n/a	92.31	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21	0.01035	n/a	8/10/2021	0.0076	No	26	0.1566	0.02496	23.08	Kaplan-Meier	x <sup>*(1/3)</sup>	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-22	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23	0.005	n/a	8/10/2021	0.0008J	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-5	0.005	n/a	8/10/2021	0.00085J	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-6	0.005	n/a	8/10/2021	0.005ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-7	0.3321	n/a	8/10/2021	0.057	No	12	0.133	0.06625	0	None	No	0.0002926	Param Intra 1 of 2
<b>Nickel (mg/L)</b>	<b>GWC-8</b>	<b>0.005</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.0073</b>	<b>Yes</b>	<b>26</b>	<b>n/a</b>	<b>n/a</b>	<b>96.15</b>	<b>n/a</b>	<b>n/a</b>	<b>0.002667</b>	<b>NP Intra (NDs) 1 of 2</b>
Nickel (mg/L)	GWC-9	0.01	n/a	8/10/2021	0.0019J	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-4	0.005	n/a	8/9/2021	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-10	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.005	n/a	8/10/2021	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-22	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	8/10/2021	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-21	0.005	n/a	8/10/2021	0.005ND	No	25	n/a	n/a	96	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-7	0.001	n/a	8/10/2021	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-21	0.01	n/a	8/10/2021	0.01ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-23	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-7	0.01	n/a	8/10/2021	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	96.3	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.01	n/a	8/9/2021	0.01ND	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-11	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-2	0.01	n/a	8/9/2021	0.01ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-3	0.01	n/a	8/9/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-4	0.01	n/a	8/9/2021	0.01ND	No	27	n/a	n/a	33.33	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-10	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	77.78	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	70.37	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.013	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	59.26	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-20	0.01	n/a	8/10/2021	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-21	0.01212	n/a	8/10/2021	0.01ND	No	25	0.0747	0.01433	12	None	sqrt(x)	0.0002926	Param Intra 1 of 2
Zinc (mg/L)	GWC-22	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	81.48	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-23	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-5	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	55.56	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	74.07	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-7	0.6123	n/a	8/10/2021	0.093	No	12	0.2426	0.123	0	None	No	0.0002926	Param Intra 1 of 2
Zinc (mg/L)	GWC-8	0.01	n/a	8/10/2021	0.01ND	No	26	n/a	n/a	73.08	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-9	0.01	n/a	8/10/2021	0.01ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2

Within Limit

### Prediction Limit Intrawell Non-parametric

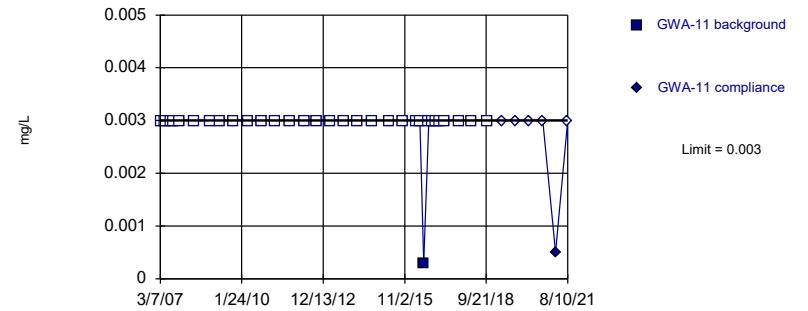


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

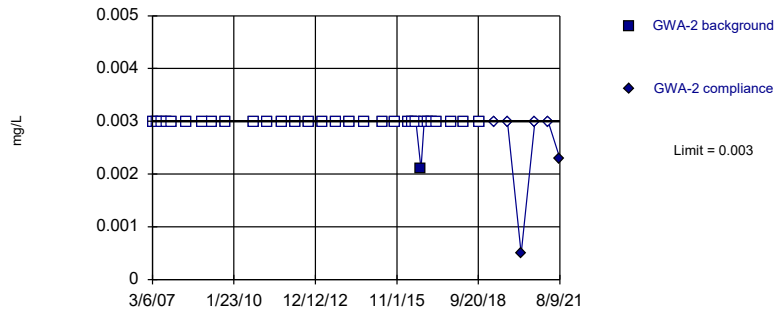


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

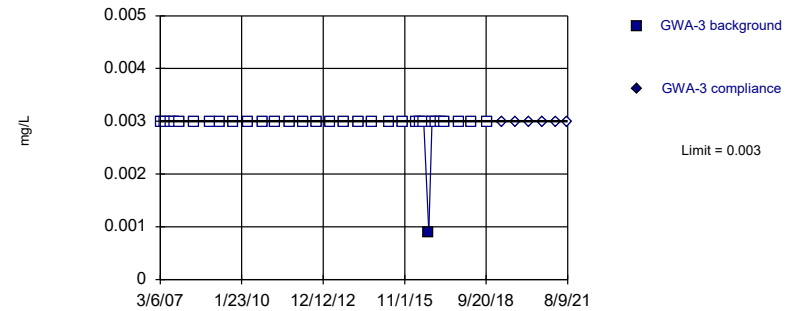


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



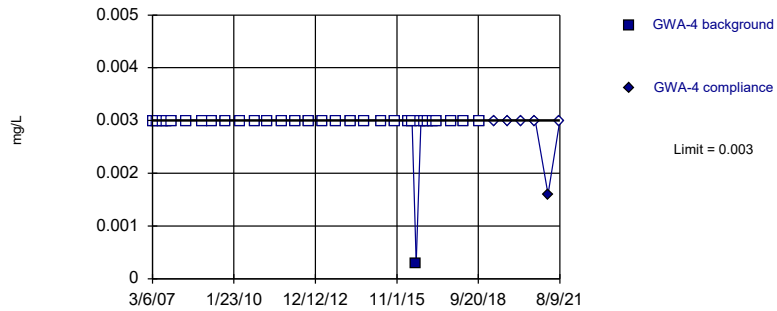
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

### Prediction Limit Intrawell Non-parametric

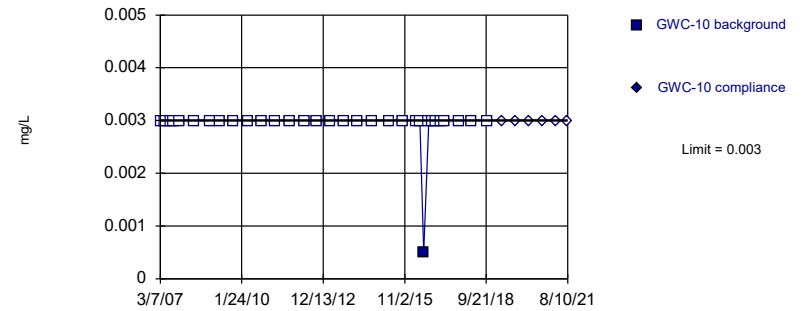


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

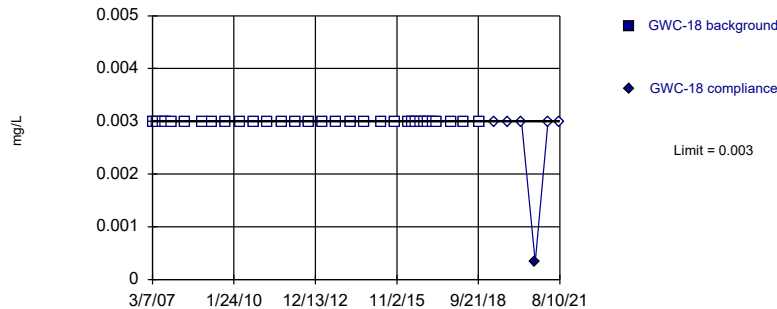


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

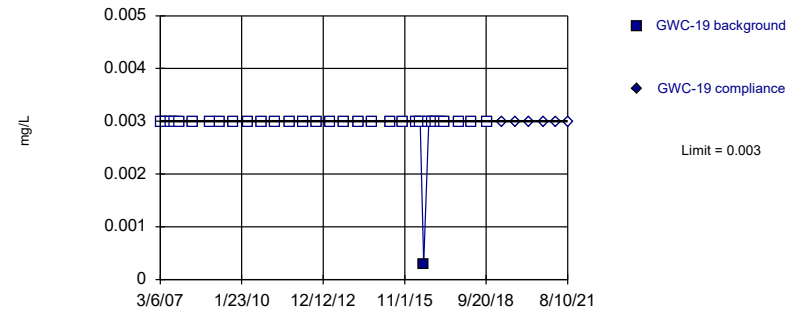


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

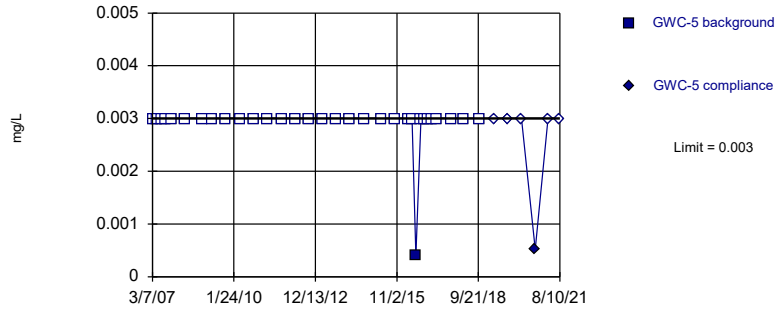


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

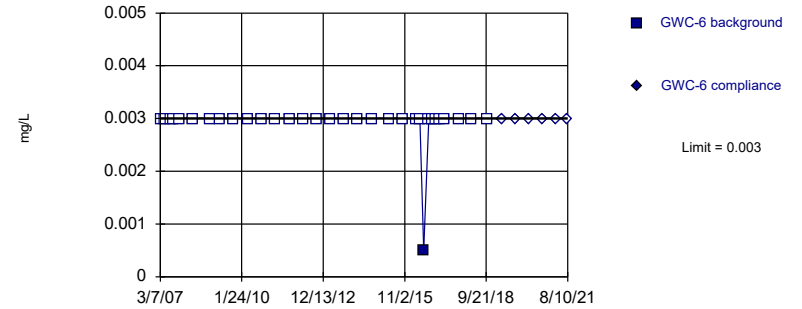


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

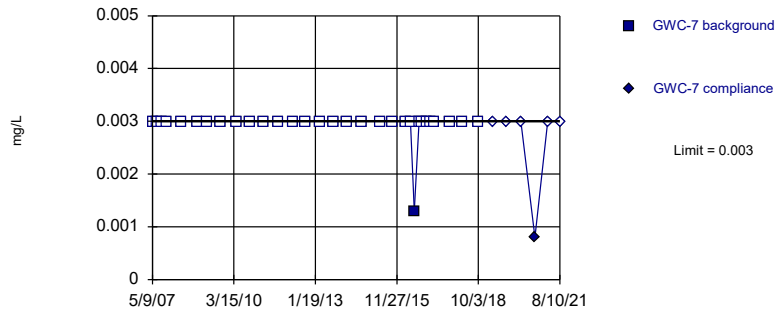


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

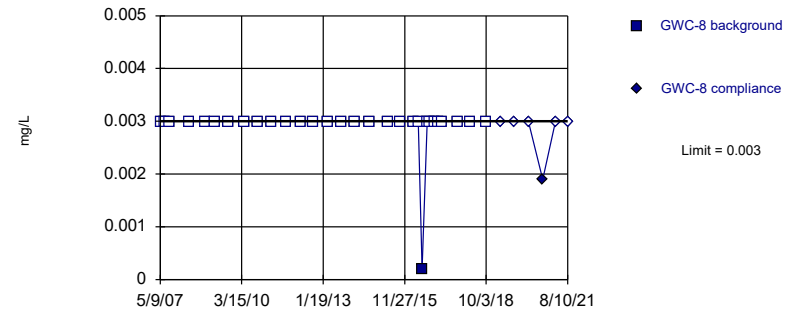


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

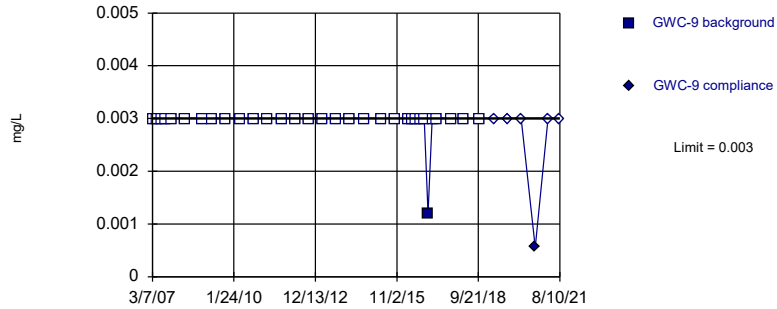


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

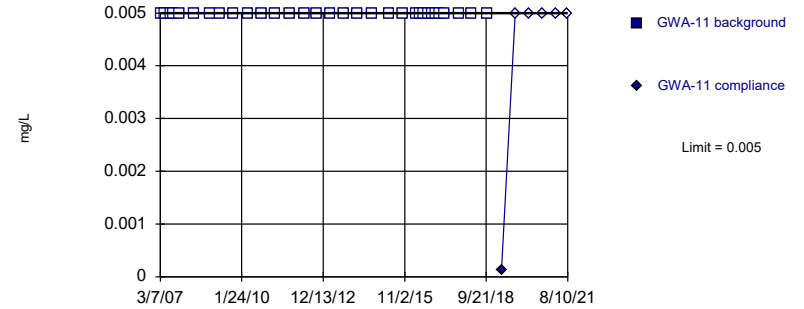


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

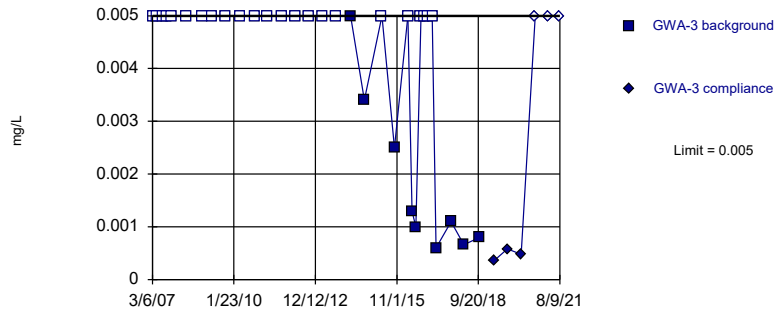


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

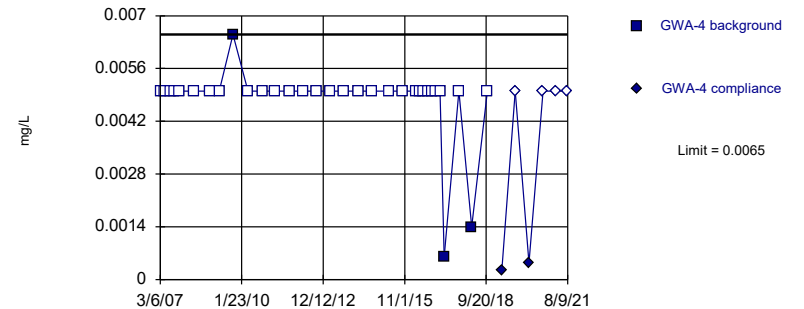


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

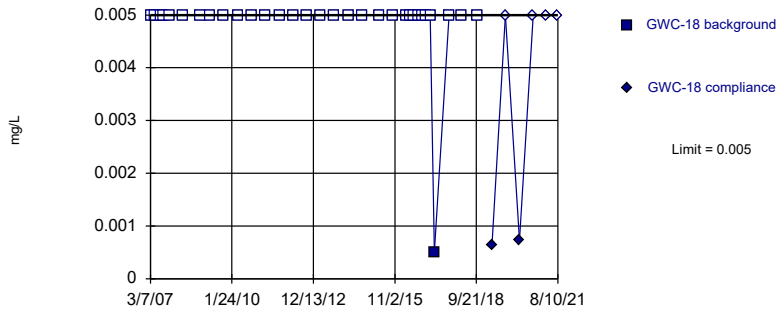


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

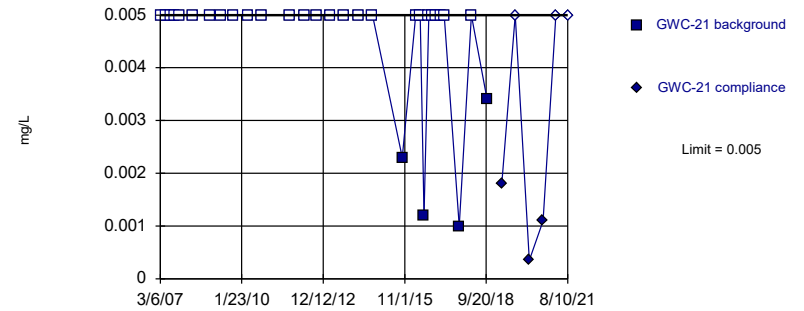


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

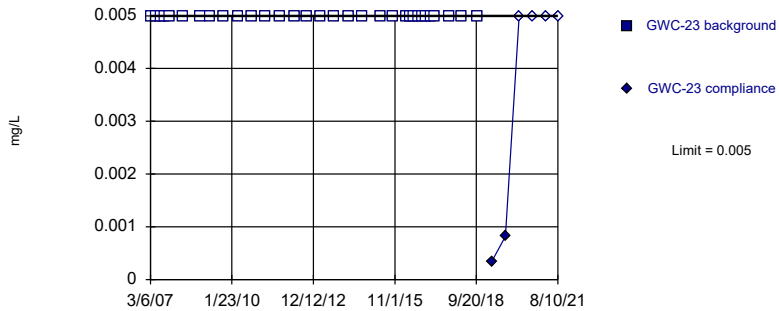


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

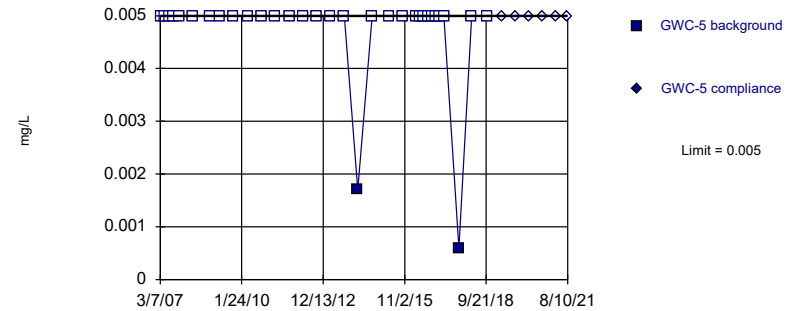


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

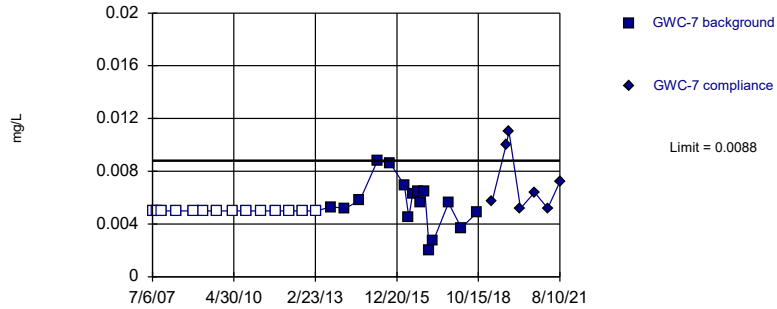


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

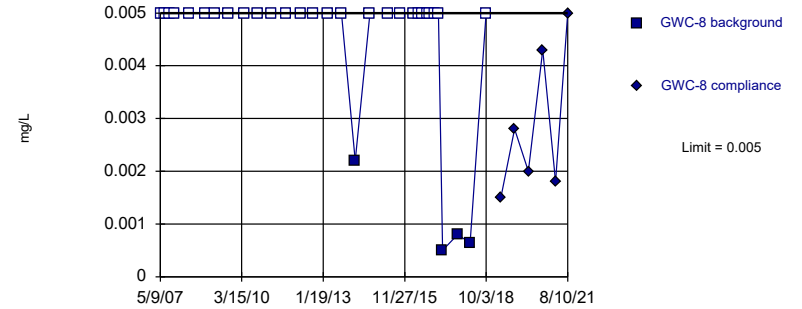


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

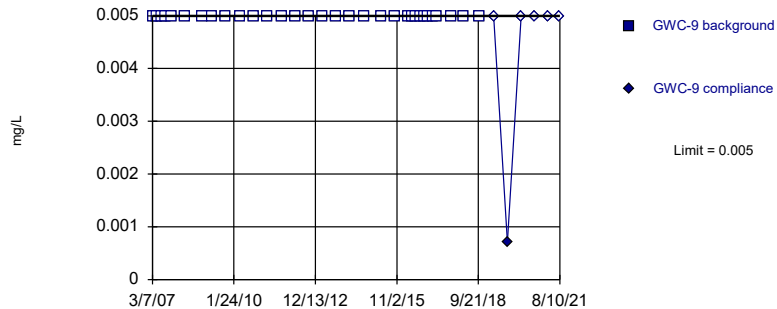


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Arsenic Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

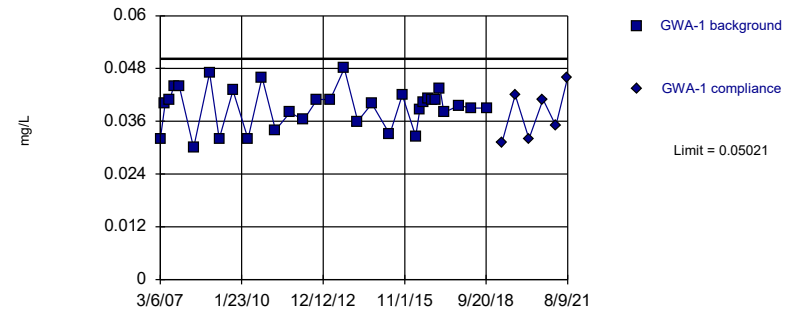


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

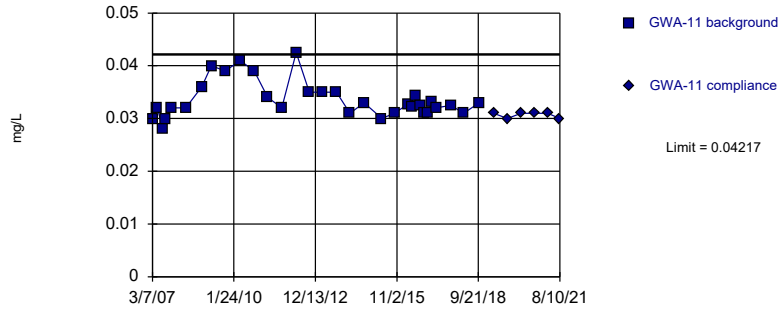


Background Data Summary: Mean=0.03919, Std. Dev.=0.00463, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9563, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

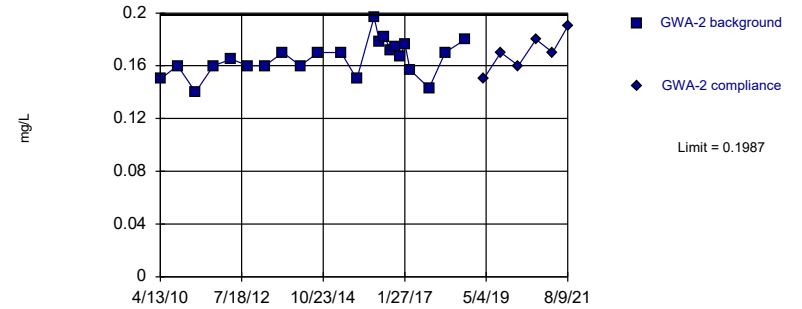


Background Data Summary (based on natural log transformation): Mean=-3.4, Std. Dev.=0.09826, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9108, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

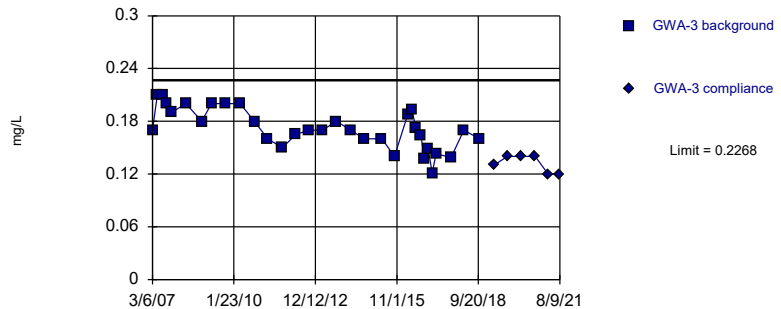


Background Data Summary: Mean=0.1657, Std. Dev.=0.01314, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.881. Kappa = 2.512 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

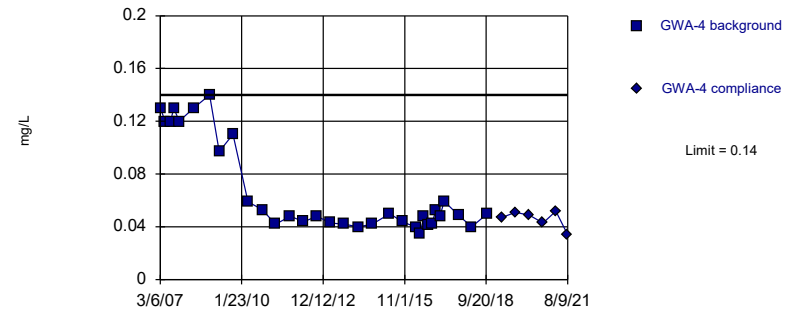


Background Data Summary: Mean=0.1719, Std. Dev.=0.02304, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9617, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

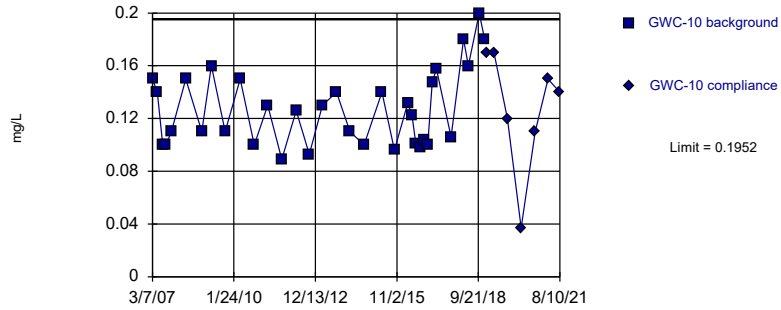


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

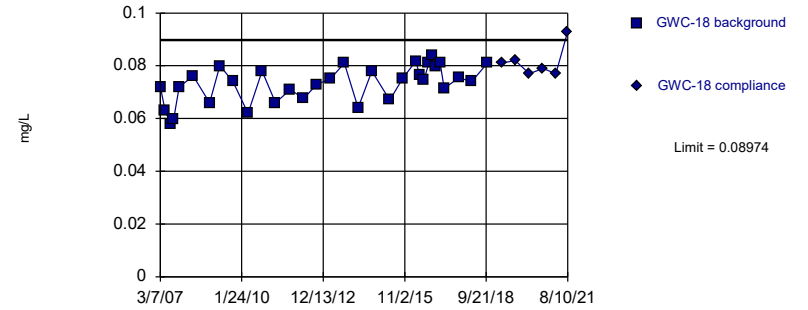


Background Data Summary: Mean=0.1271, Std. Dev.=0.02885, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9143, critical = 0.908. Kappa = 2.36 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

### Prediction Limit Intrawell Parametric

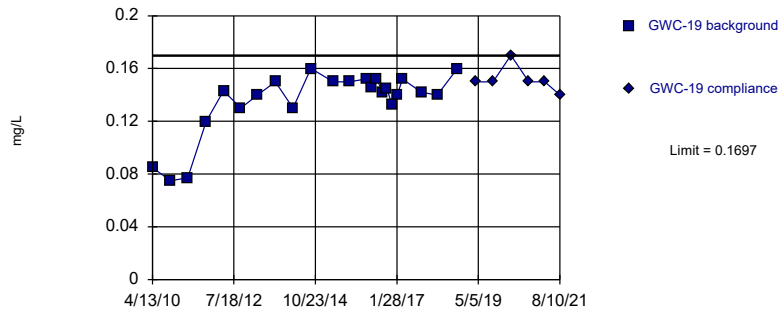


Background Data Summary: Mean=0.07311, Std. Dev.=0.006987, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.946, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

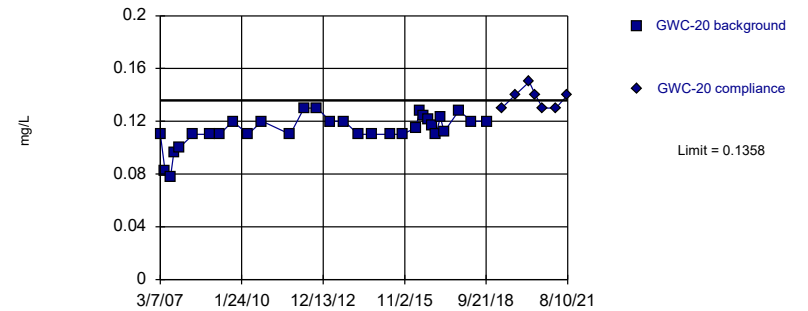


Background Data Summary (based on x^4 transformation): Mean=0.0003879, Std. Dev.=0.000176, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9161, critical = 0.881. Kappa = 2.512 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

### Prediction Limit Intrawell Parametric

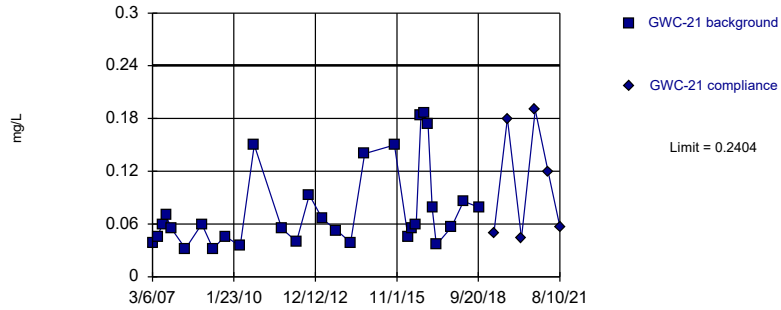


Background Data Summary (based on cube transformation): Mean=0.001502, Std. Dev.=0.0004195, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9239, critical = 0.902. Kappa = 2.39 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

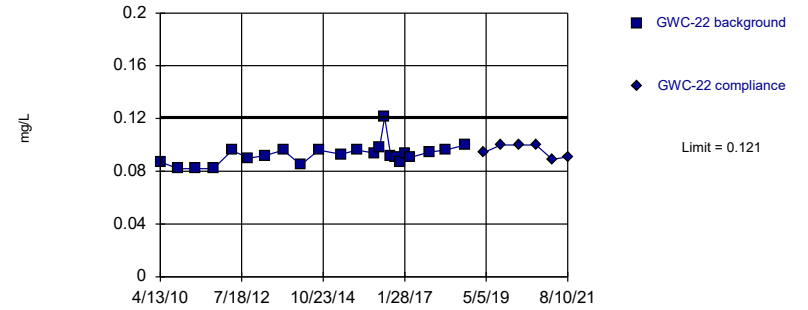


Background Data Summary (based on natural log transformation): Mean=-2.722, Std. Dev.=0.5402, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9034, critical = 0.9. Kappa = 2.4 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

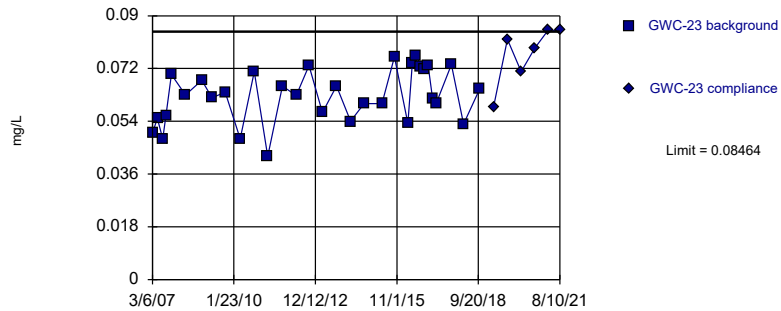


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

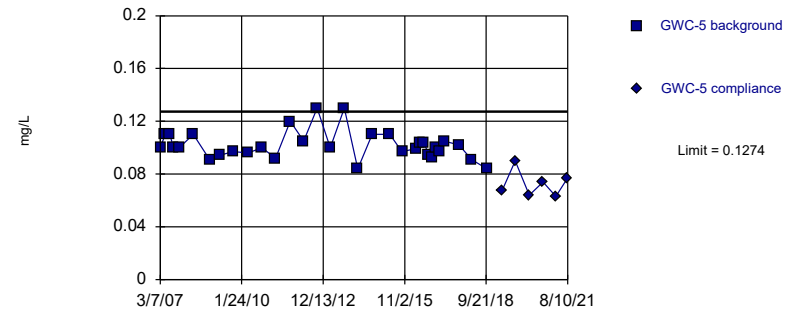


Background Data Summary: Mean=0.06272, Std. Dev.=0.009212, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



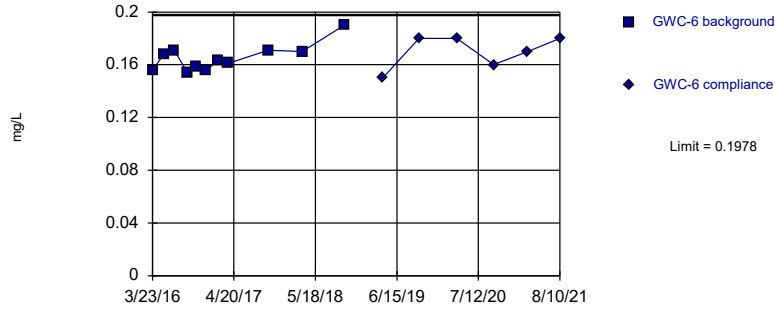
Background Data Summary: Mean=0.1019, Std. Dev.=0.01074, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9137, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

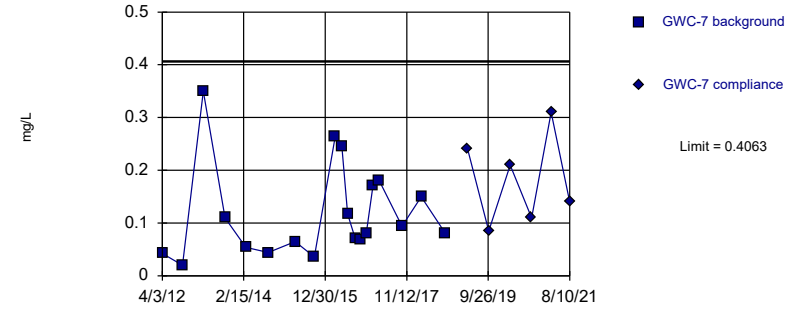


Background Data Summary: Mean=0.1654, Std. Dev.=0.01034, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8754, critical = 0.792. Kappa = 3.135 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

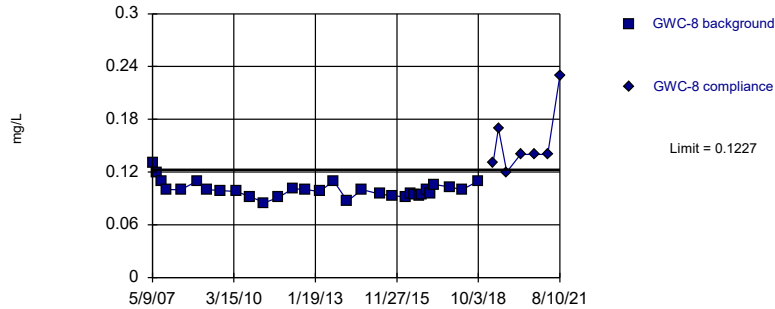


Background Data Summary (based on square root transformation): Mean=0.3226, Std. Dev.=0.1206, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.863. Kappa = 2.611 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

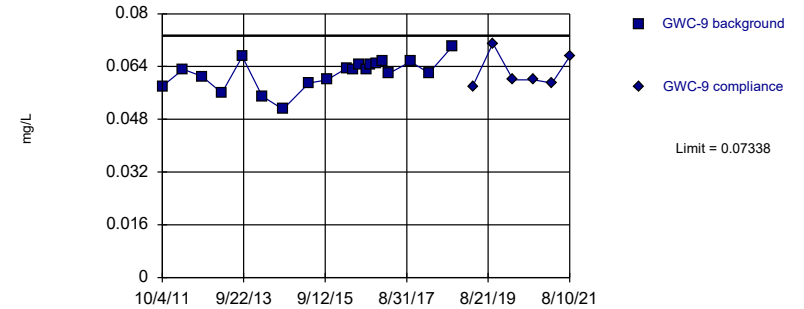


Background Data Summary (based on square root transformation): Mean=0.316, Std. Dev.=0.01439, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9173, critical = 0.902. Kappa = 2.39 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

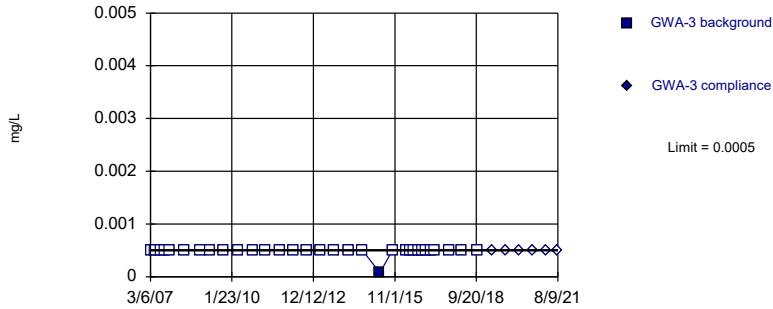


Background Data Summary: Mean=0.06193, Std. Dev.=0.00445, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9577, critical = 0.868. Kappa = 2.575 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

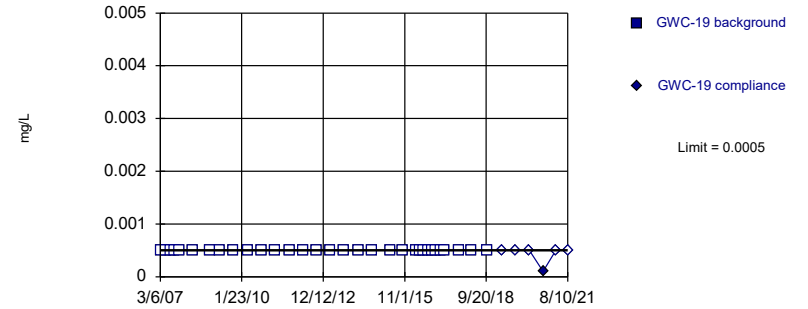


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Beryllium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

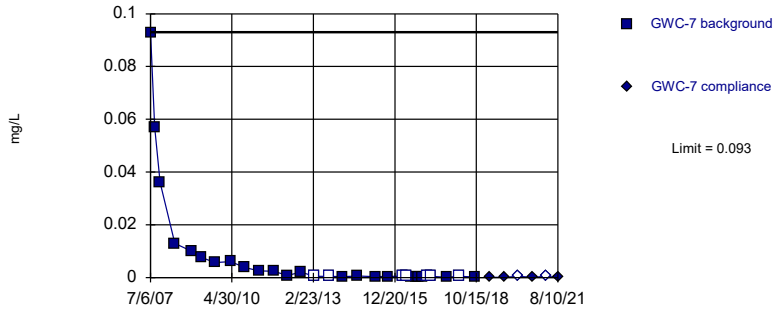


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Beryllium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

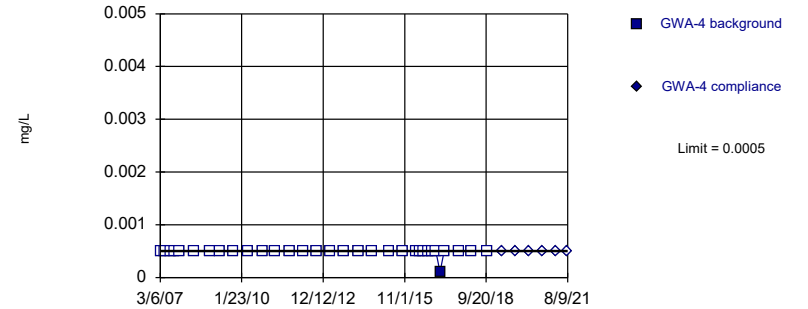


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 23.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

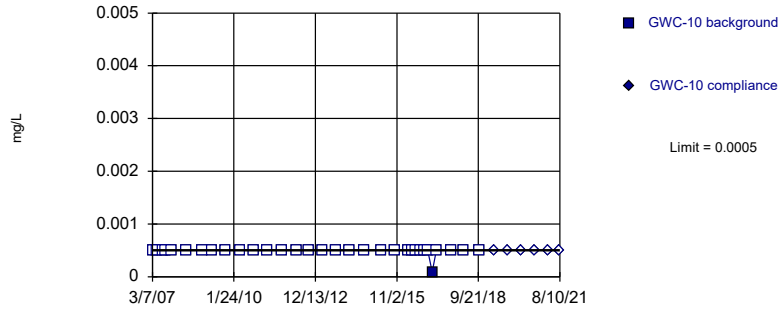


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

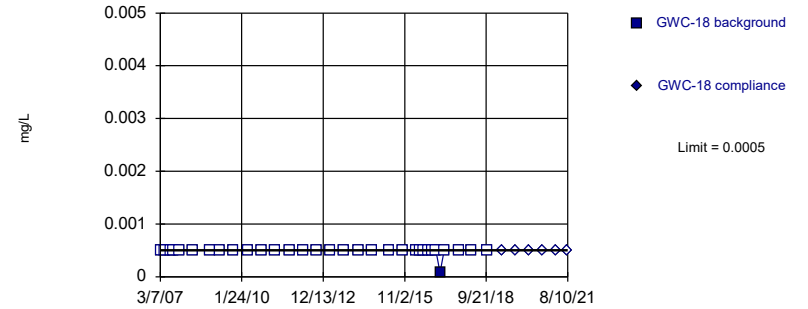


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

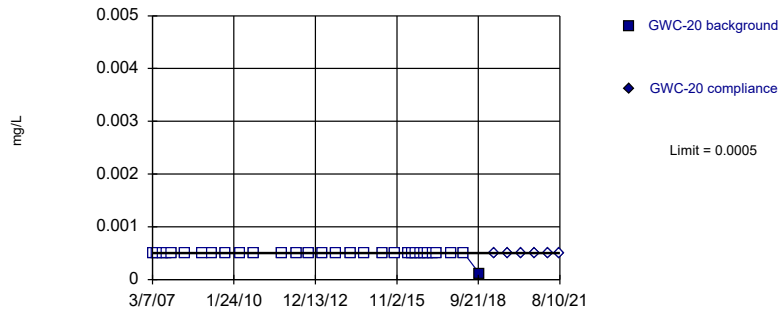


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

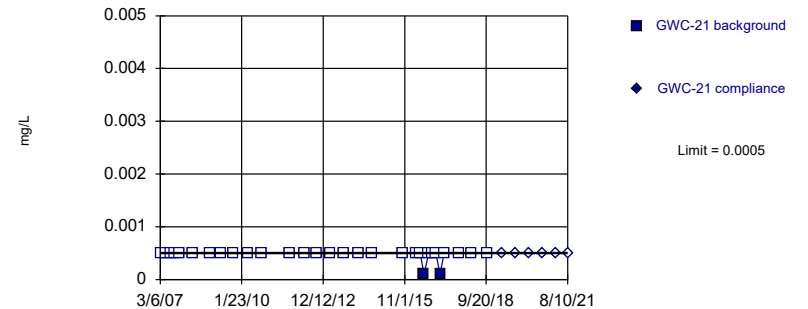


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cadmium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

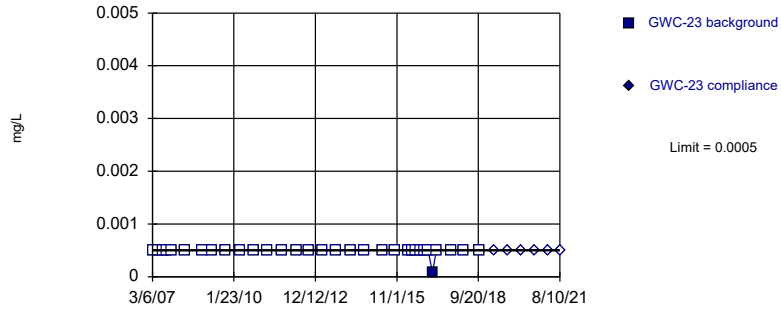


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

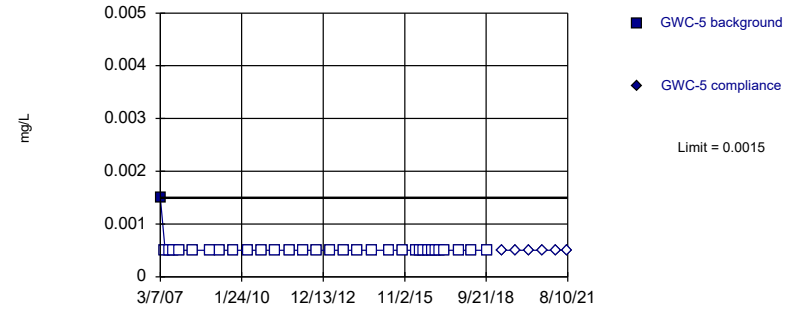


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

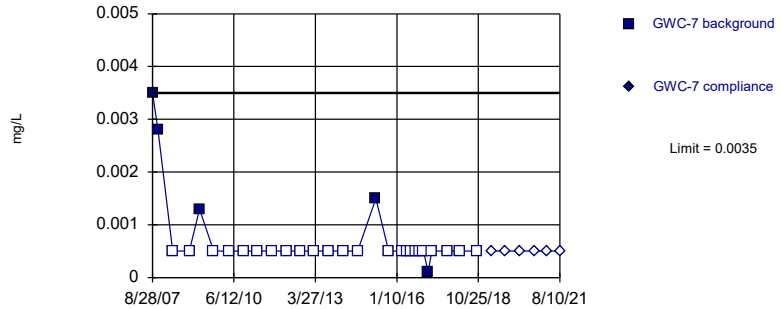


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

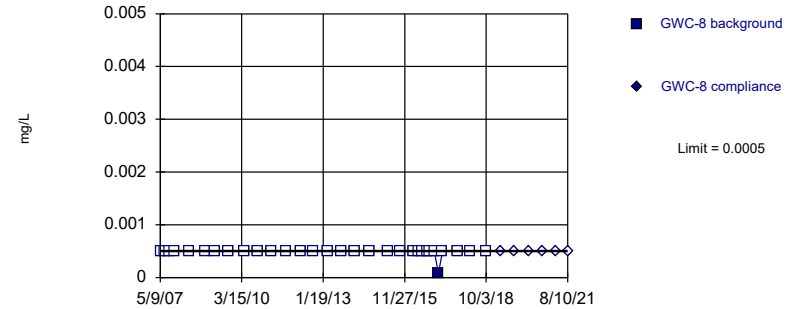


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

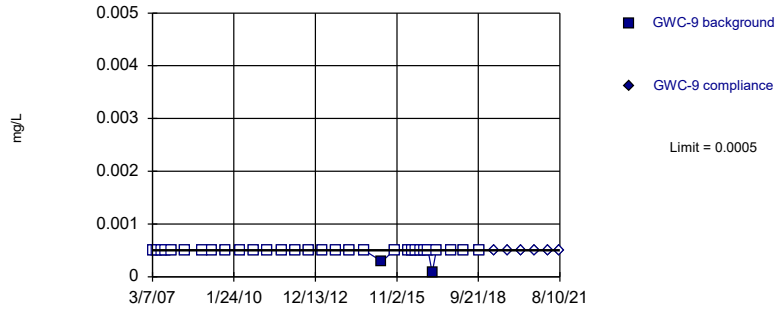


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cadmium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

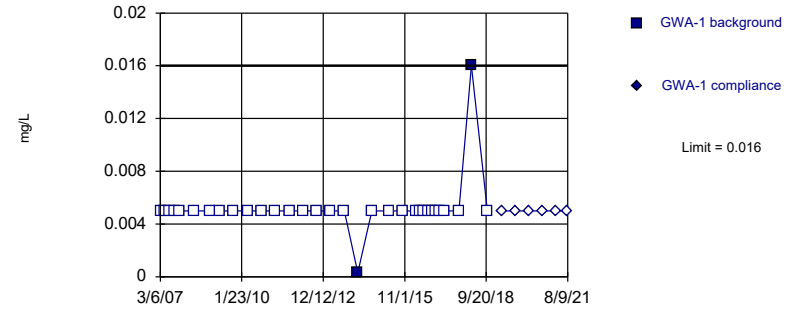


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

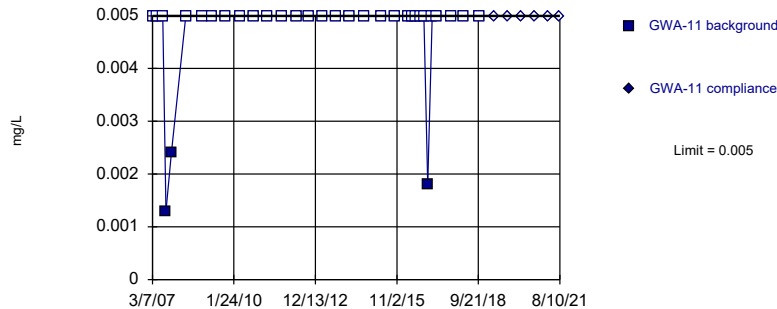


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

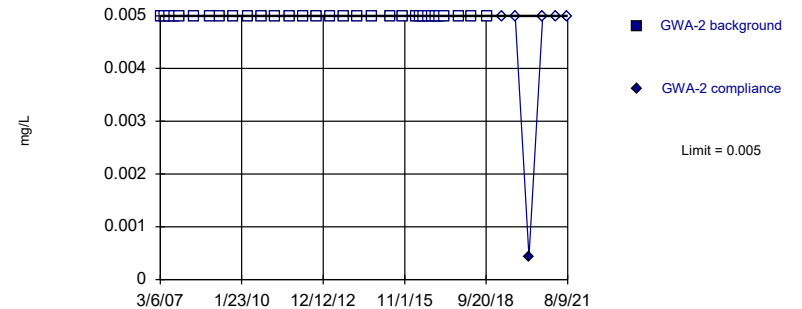


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

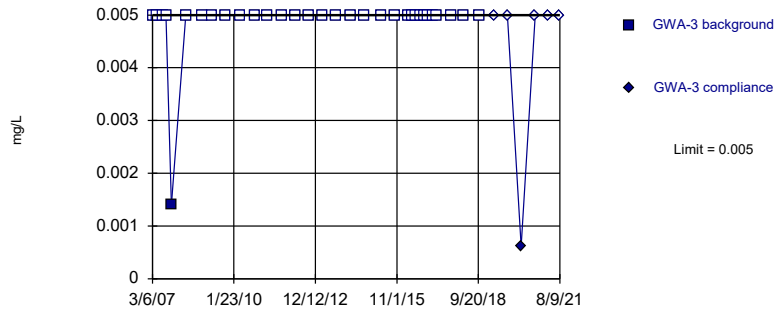


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

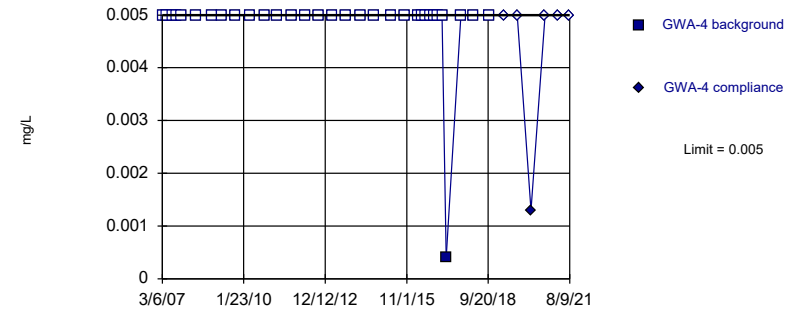


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

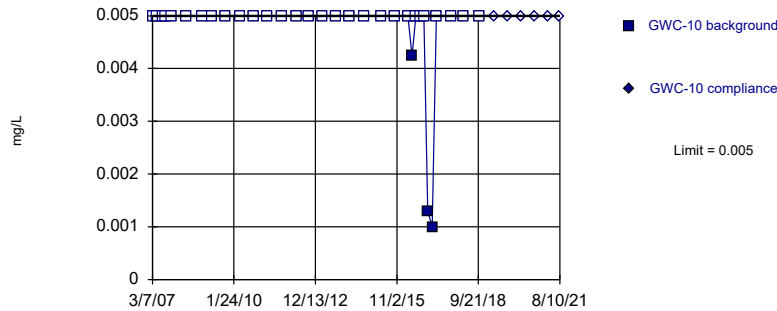


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

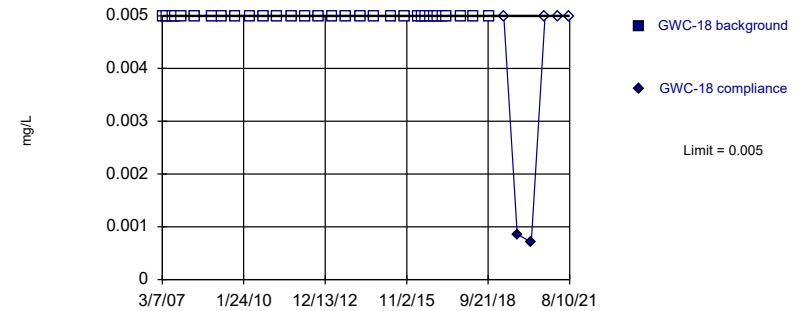


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

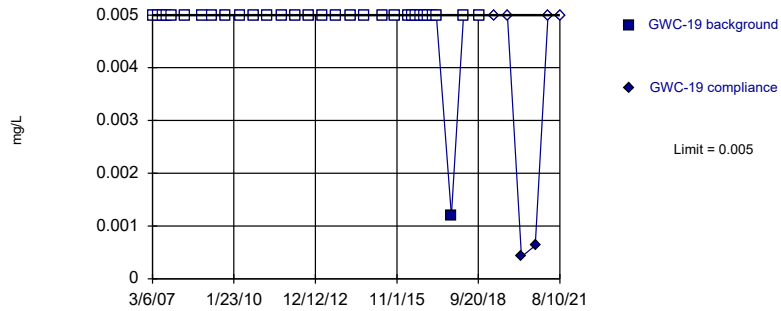


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

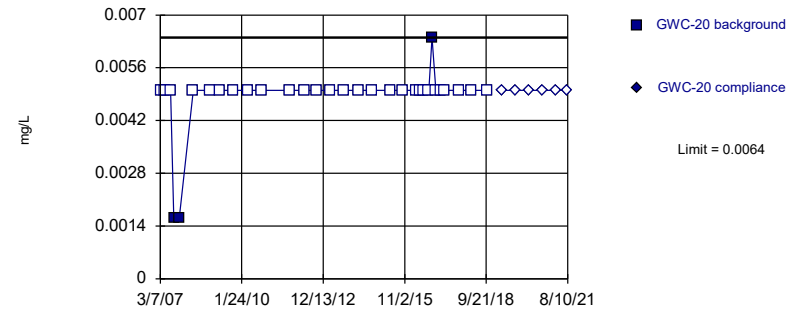


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

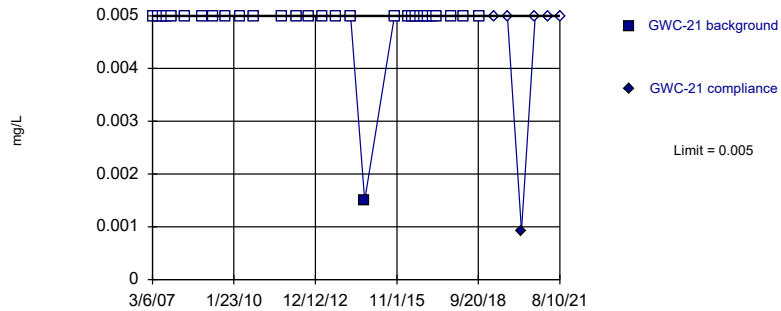


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

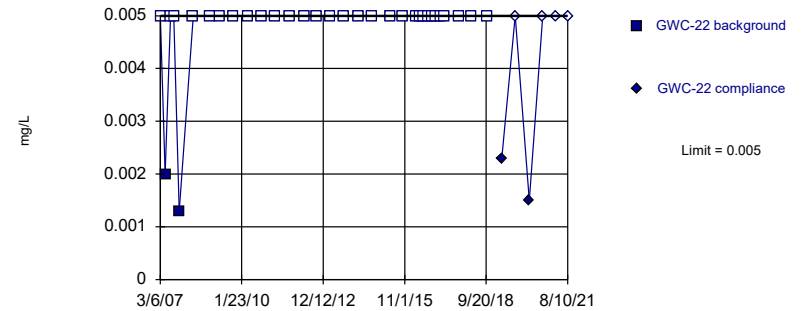


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

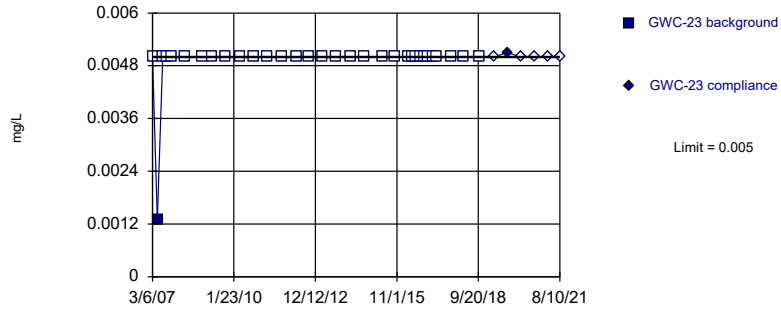


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

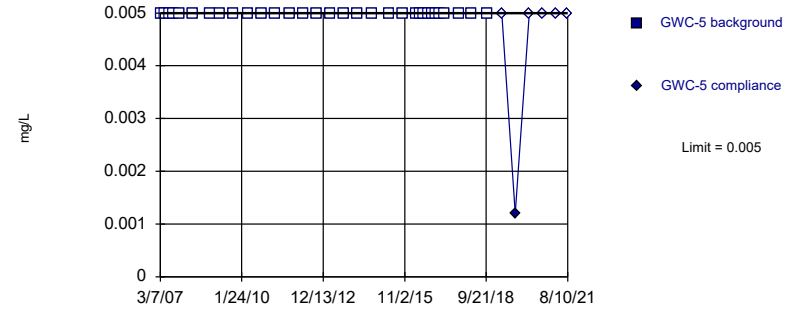


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

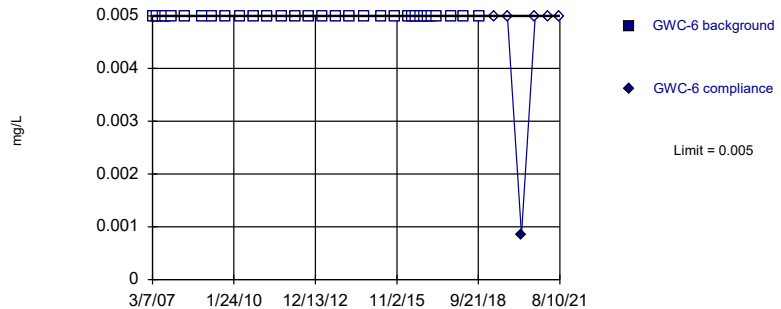


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

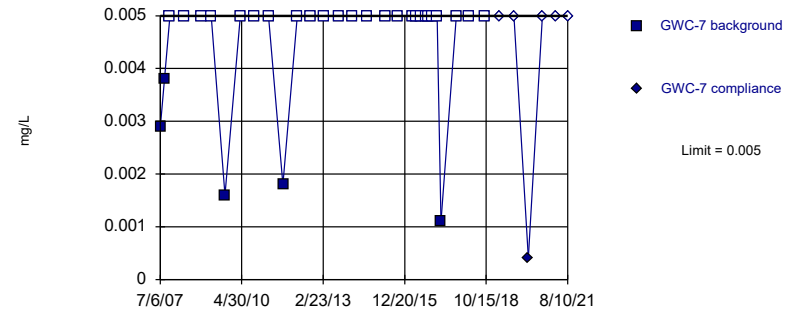


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



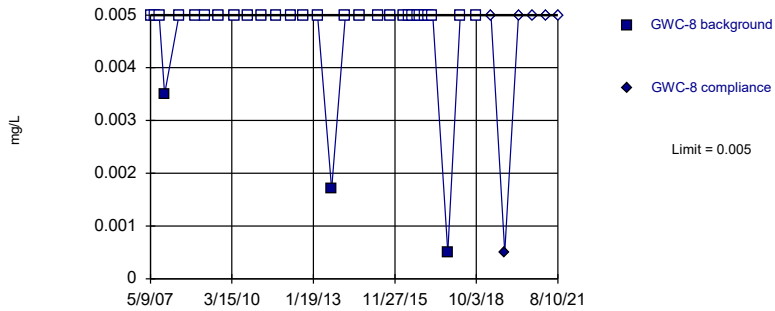
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

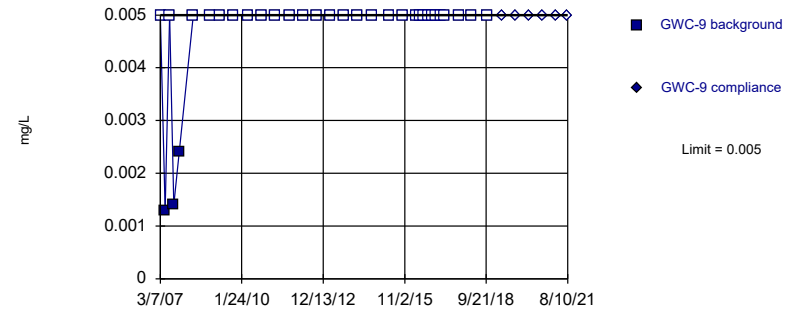


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

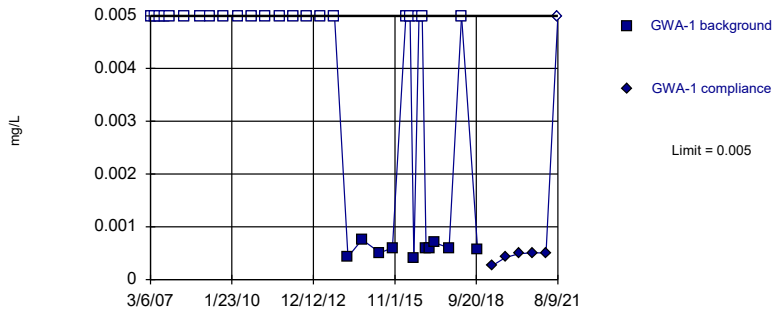


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

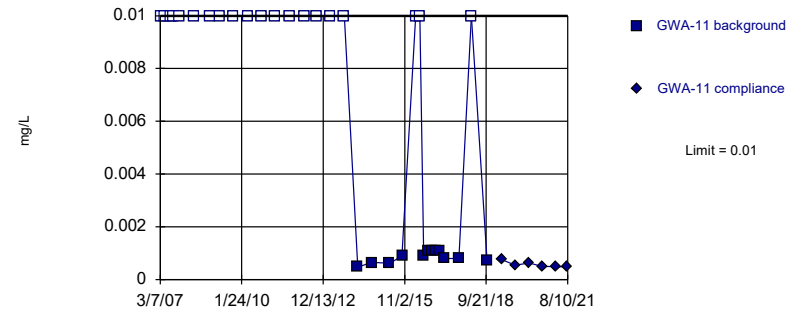


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:41 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

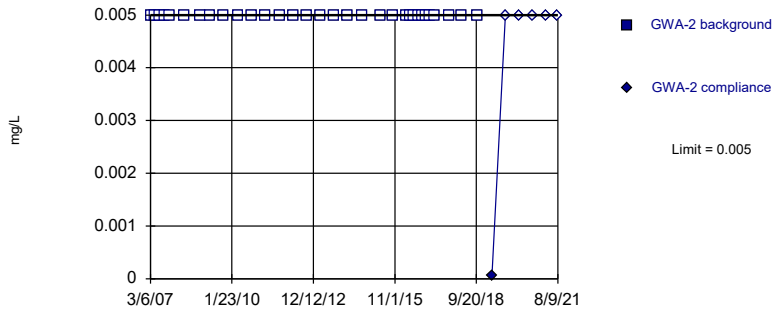


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

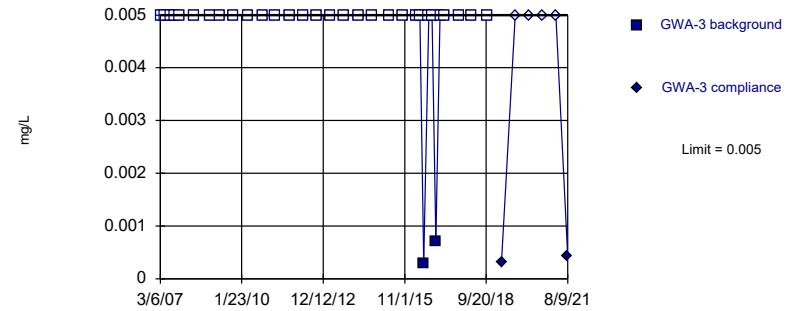


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

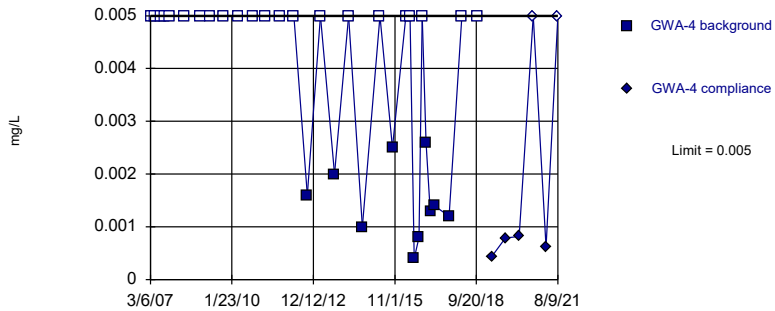


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

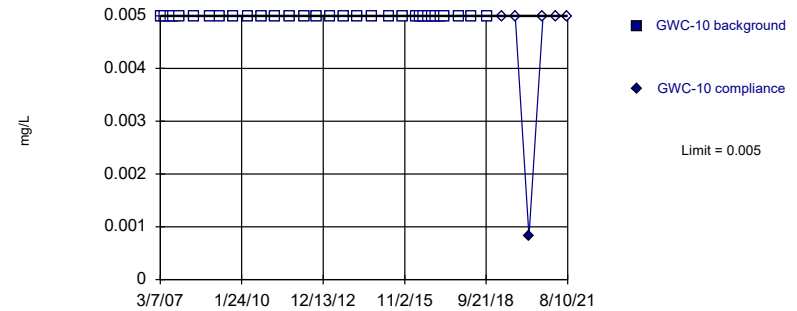


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

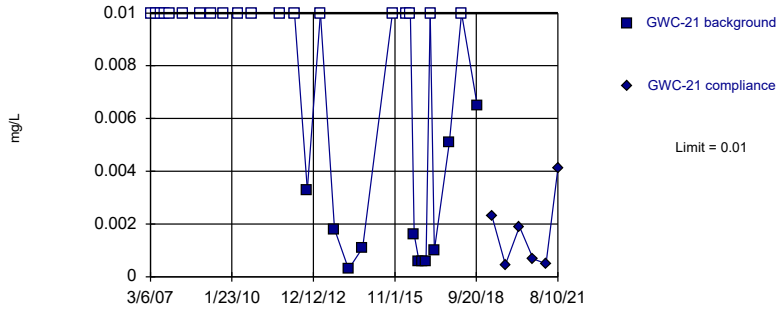


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

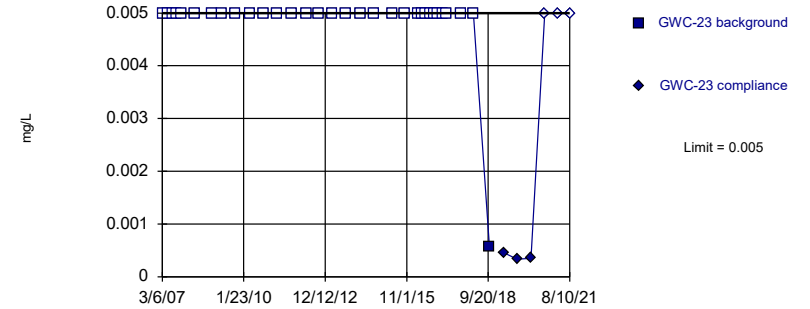


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 63.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

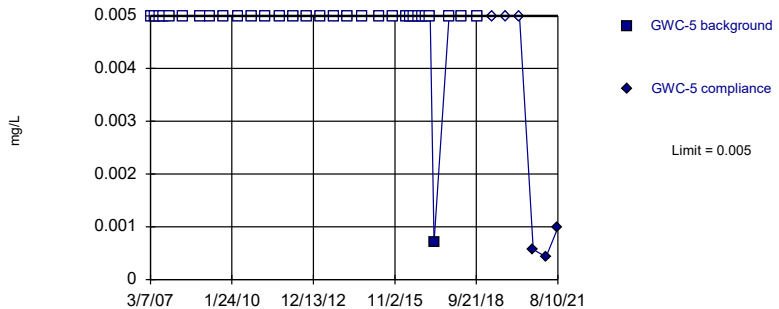


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

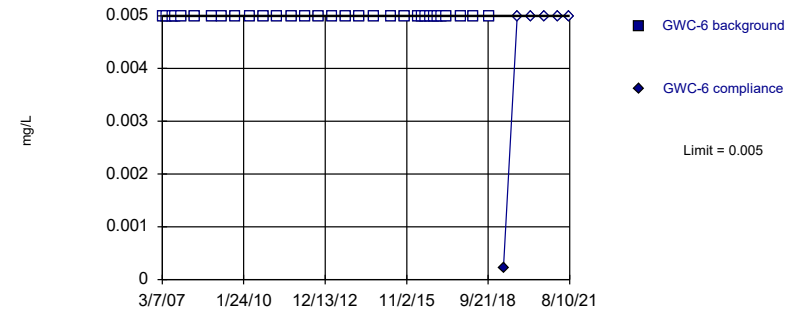


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

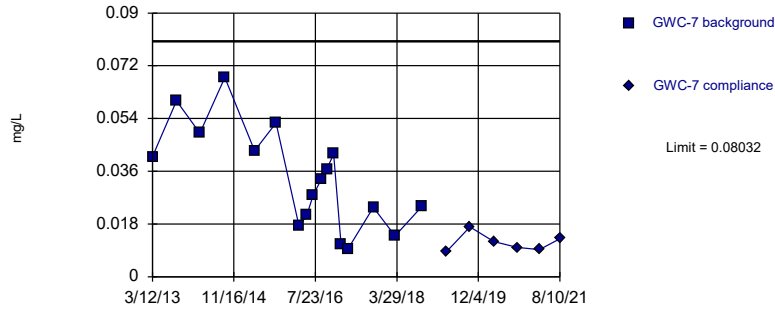


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

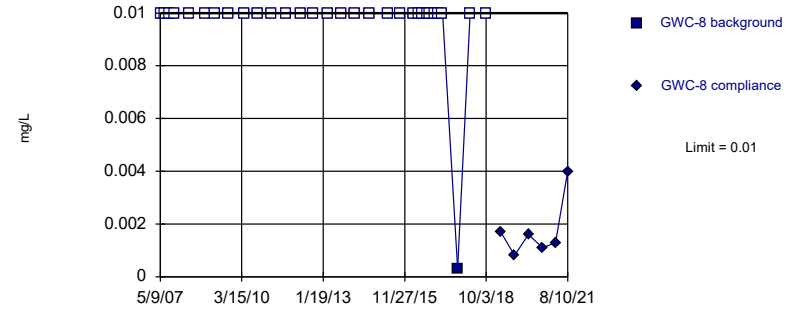


Background Data Summary: Mean=0.03376, Std. Dev.=0.01735, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.851. Kappa = 2.684 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

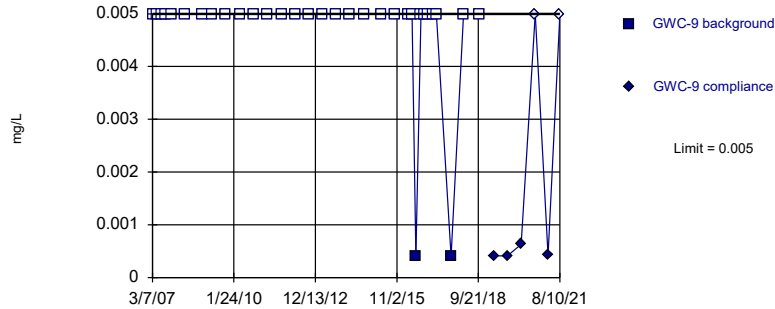


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

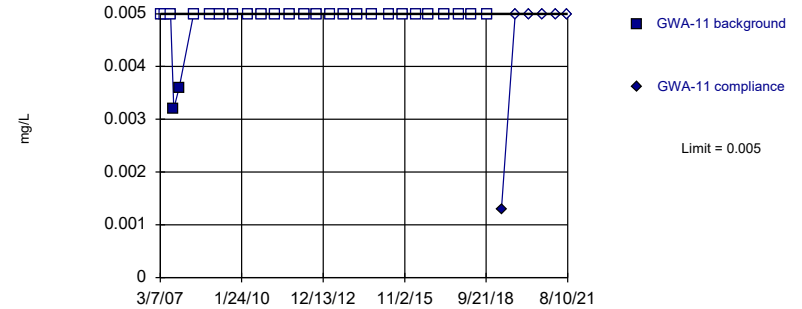


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

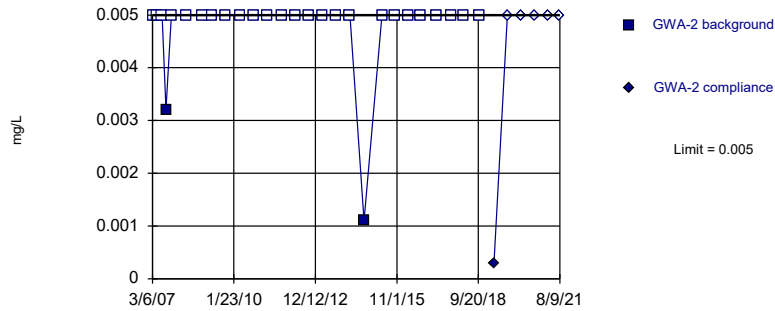


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

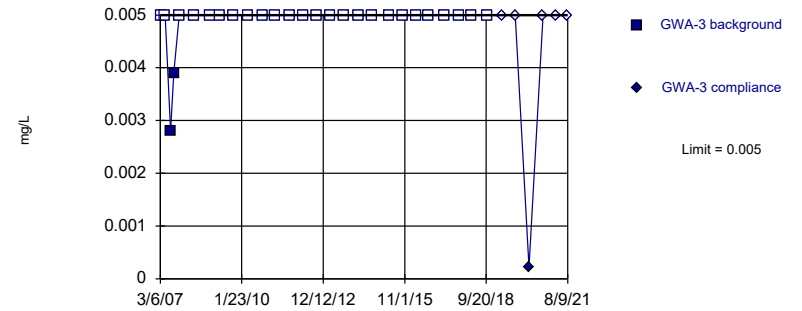


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

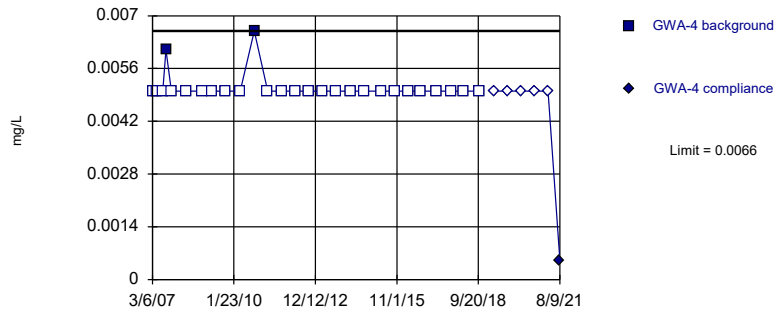


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

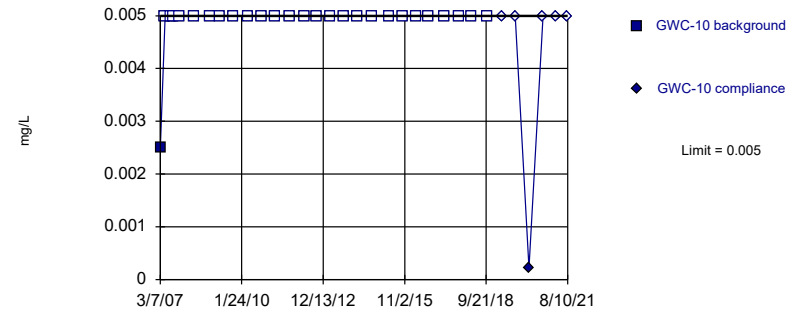


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

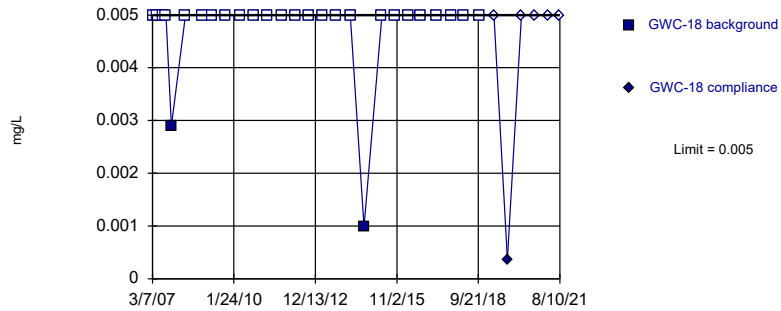


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

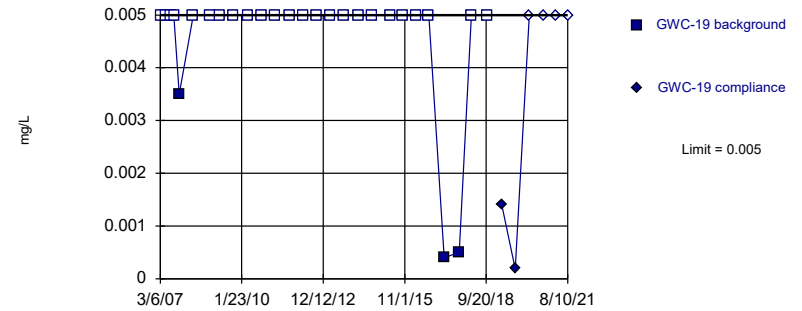


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

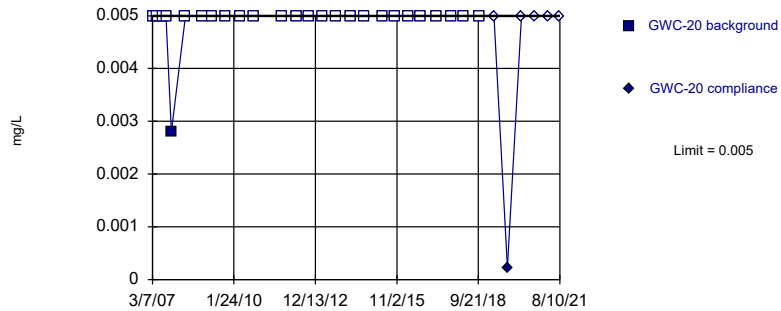


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

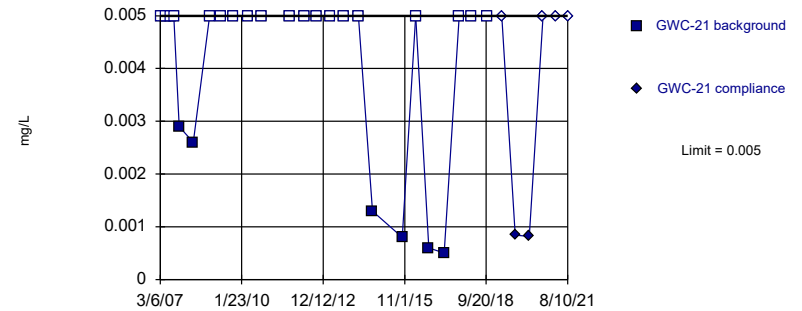


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

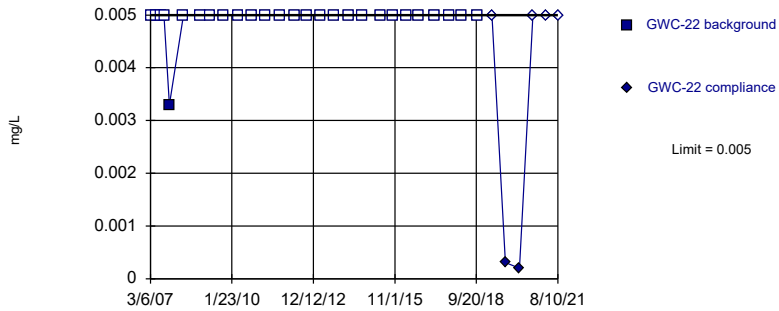


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 76% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

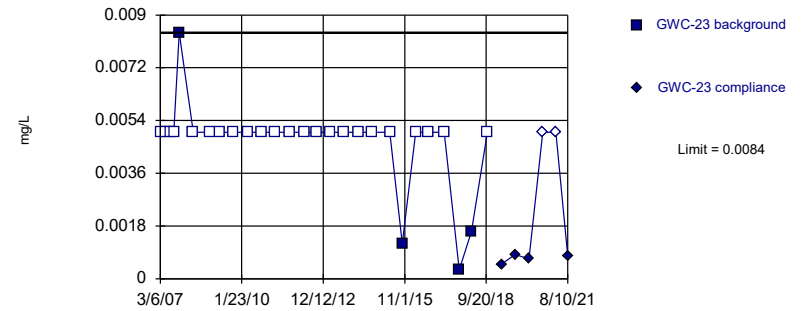


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

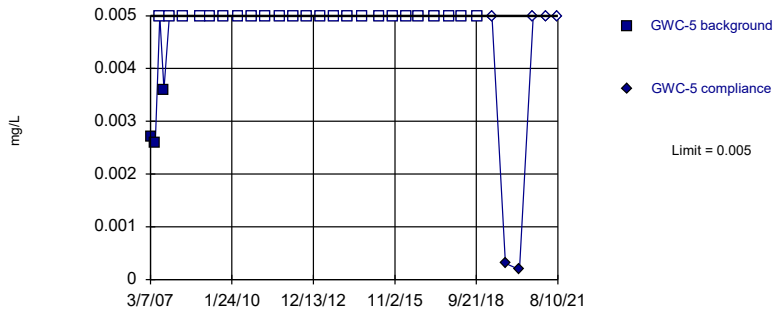


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

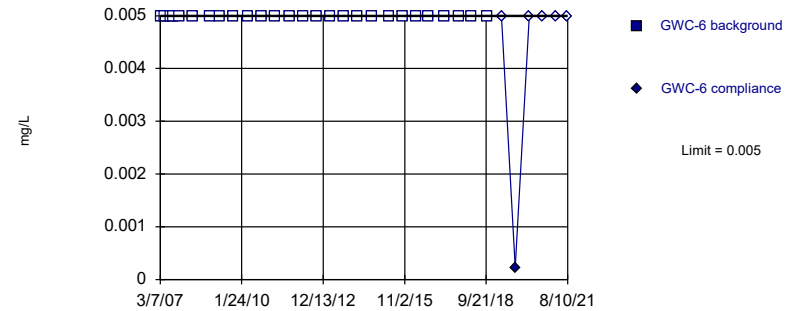


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

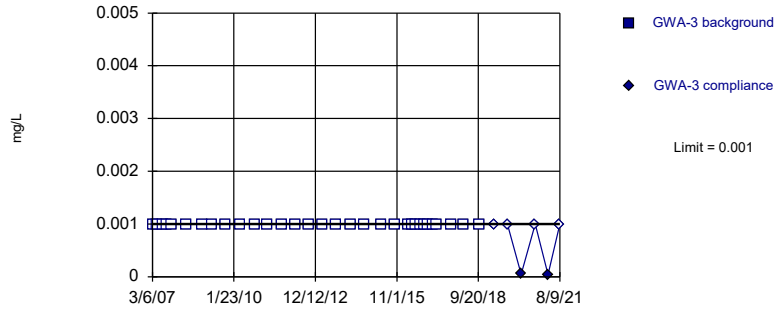
Constituent: Copper Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill





Within Limit

Prediction Limit  
Intrawell Non-parametric

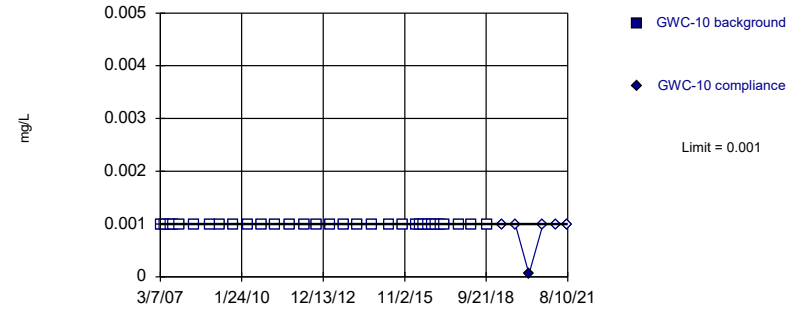


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

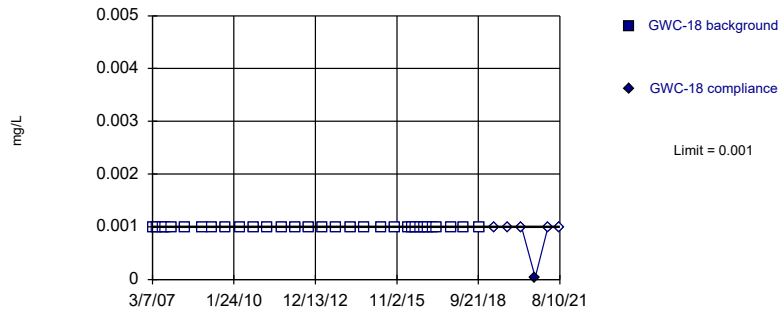


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

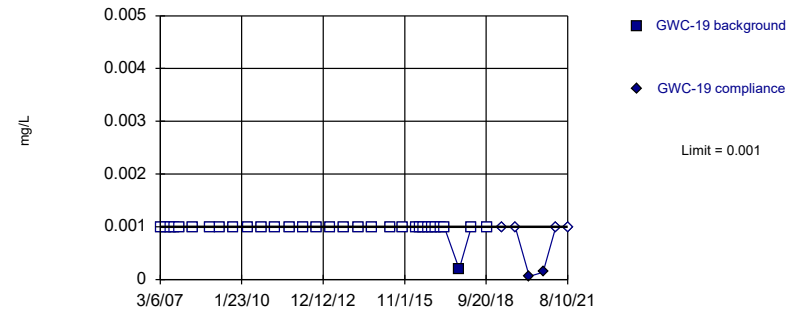


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

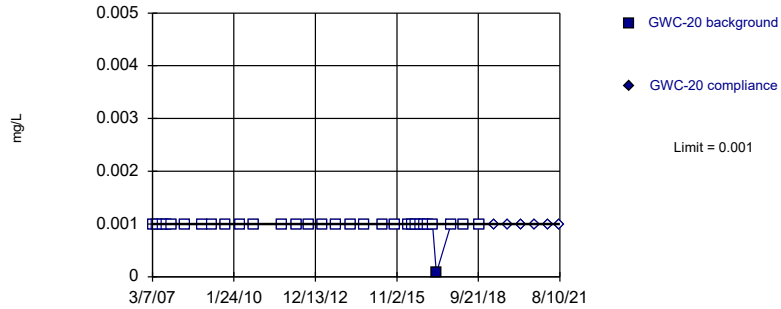


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

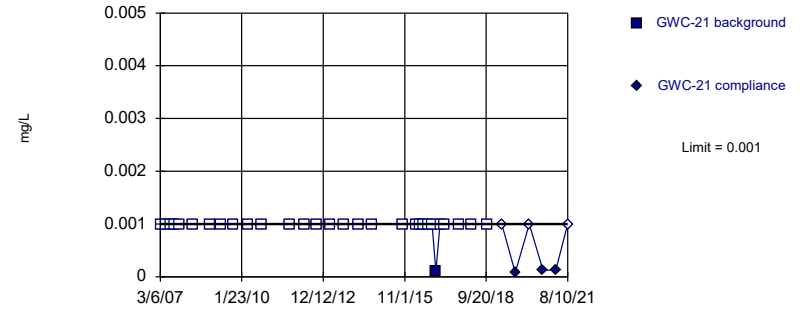


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

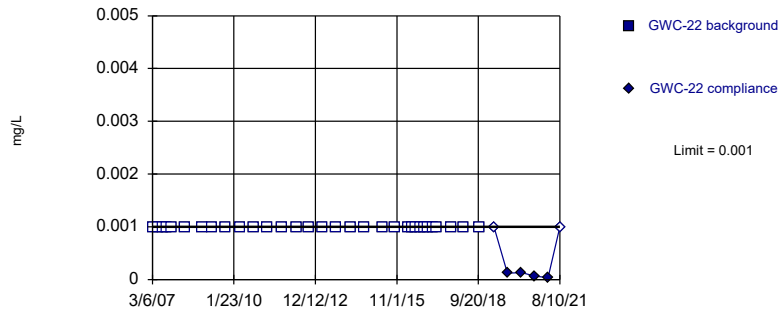


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

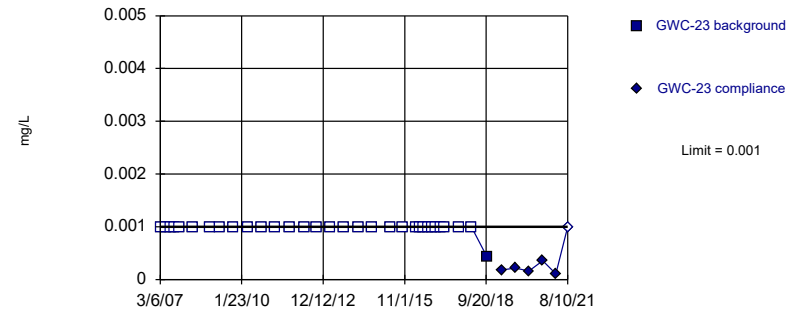


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

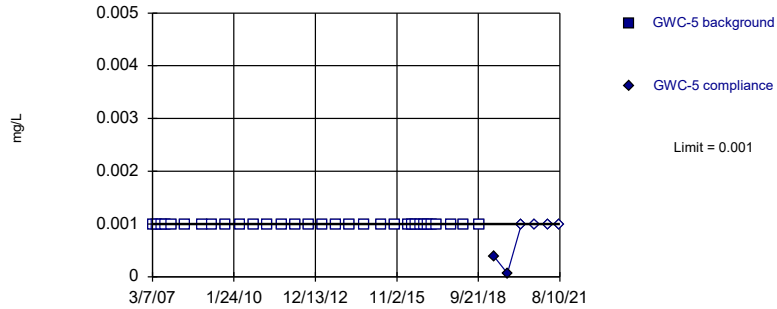


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

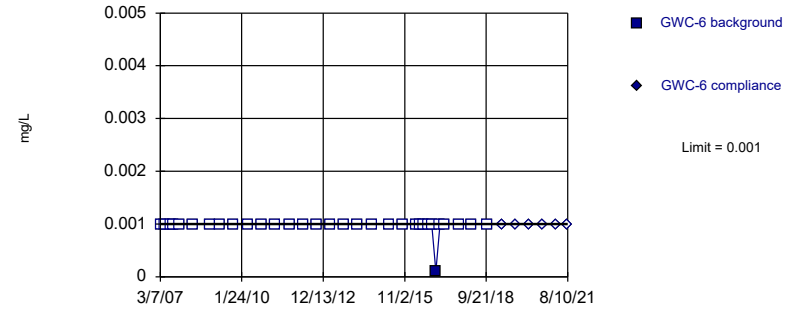


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

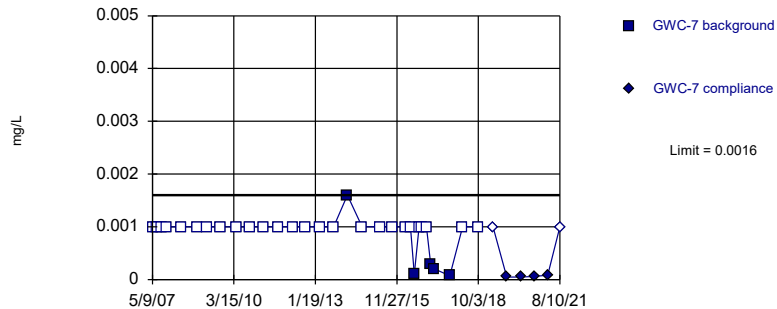


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

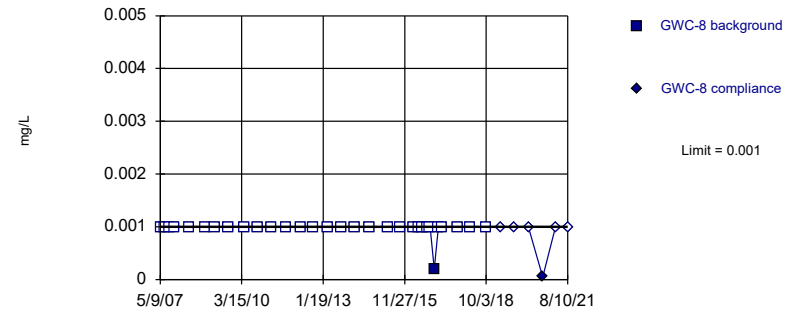


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 83.87% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

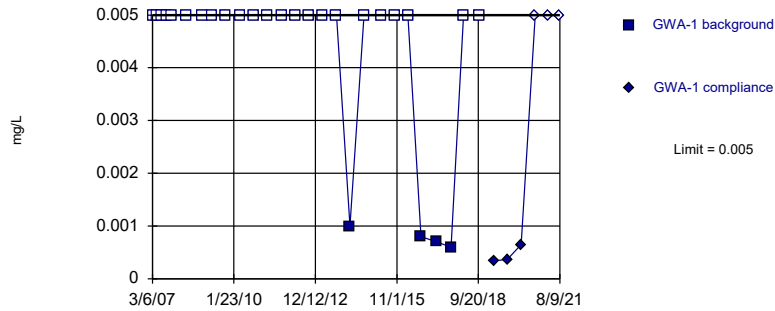


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

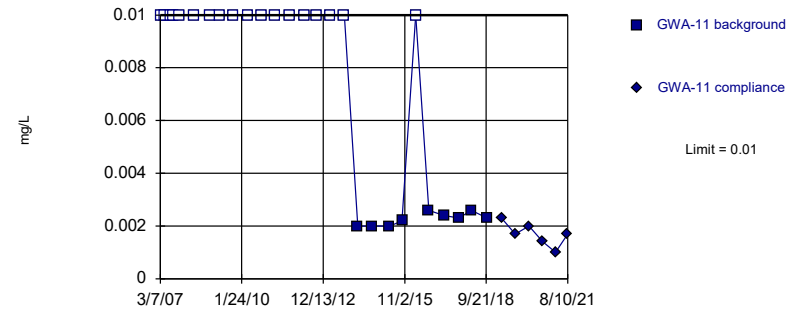


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

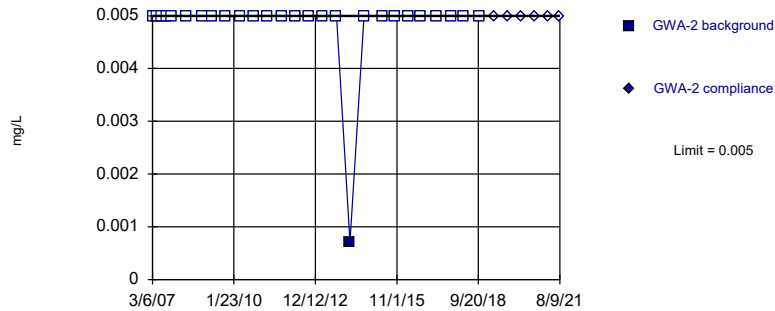


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

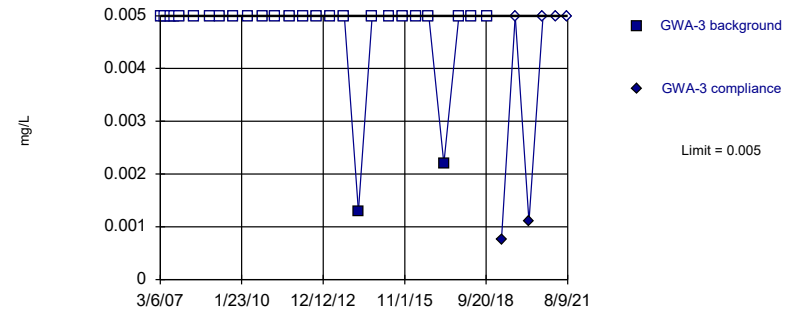


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

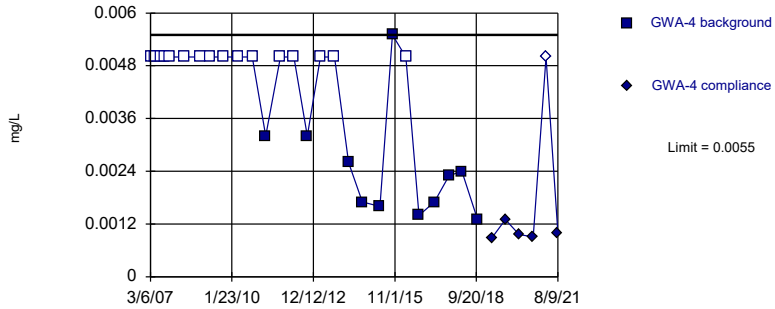


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

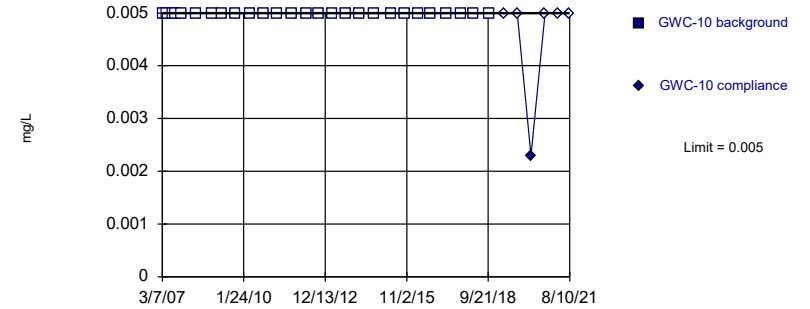


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 59.26% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

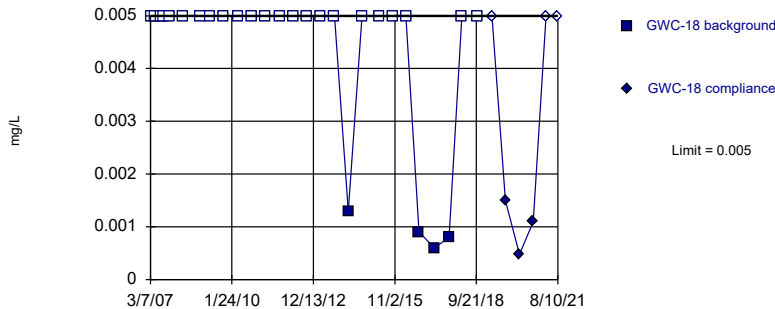


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

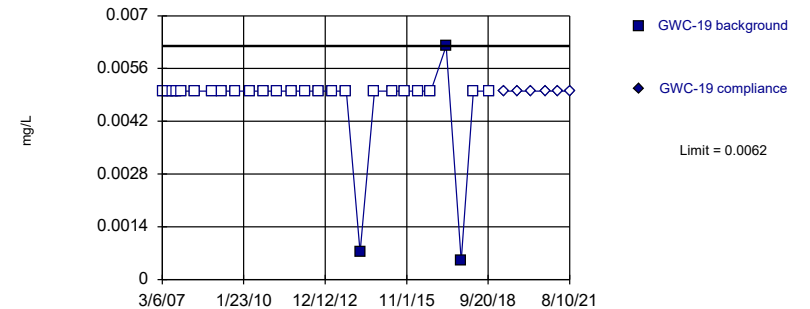


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

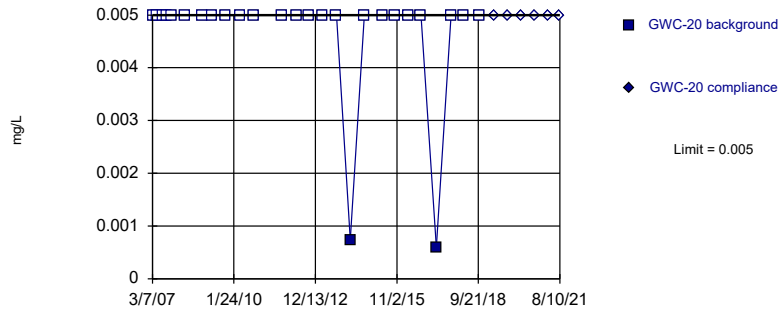


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

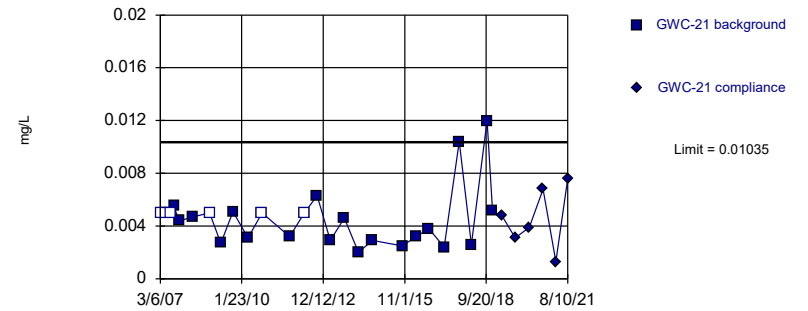


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

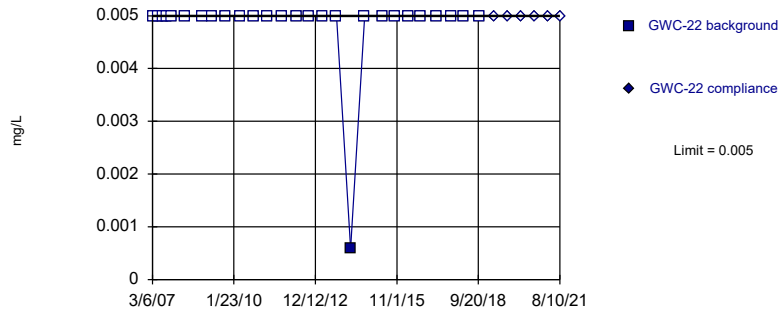


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1566, Std. Dev.=0.02496, n=26, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8923, critical = 0.891. Kappa = 2.456 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

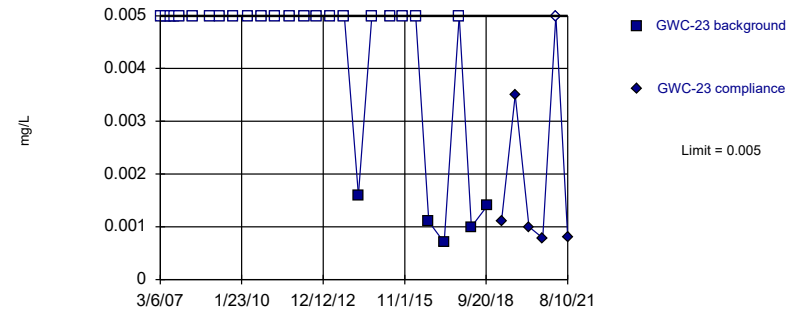


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

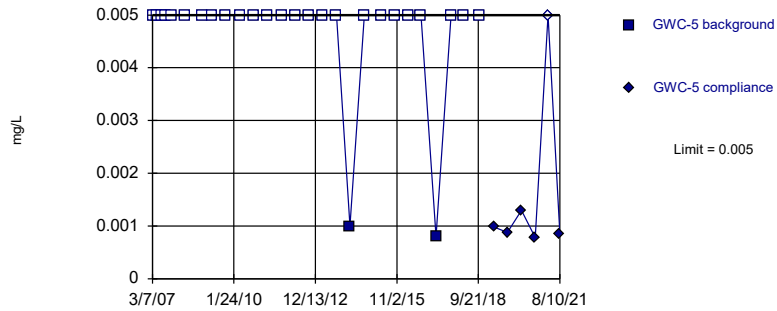


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

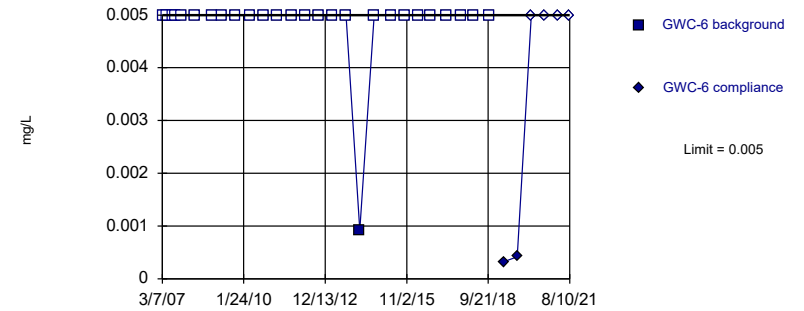


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

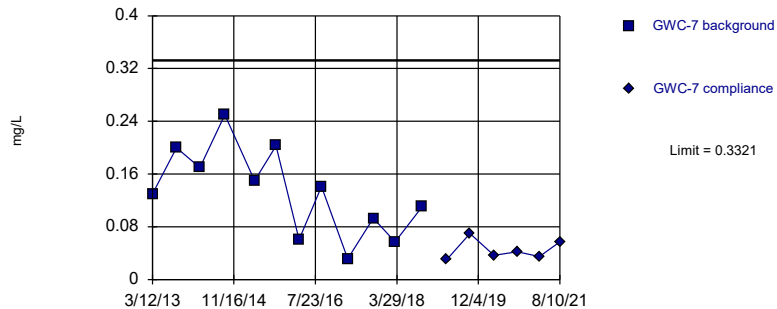


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

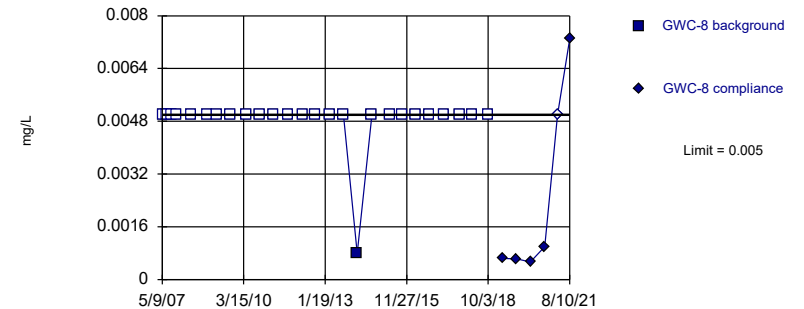


Background Data Summary: Mean=0.133, Std. Dev.=0.06625, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9771, critical = 0.805. Kappa = 3.005 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

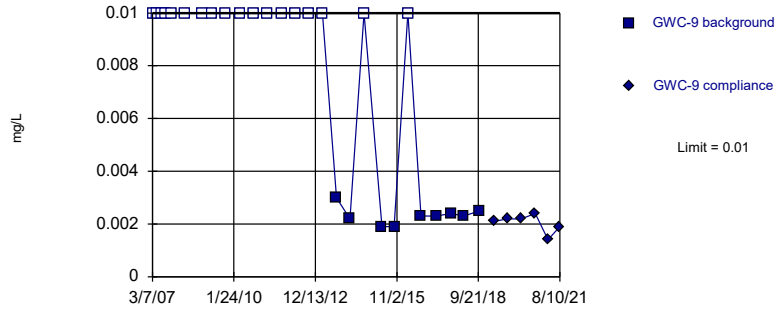


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

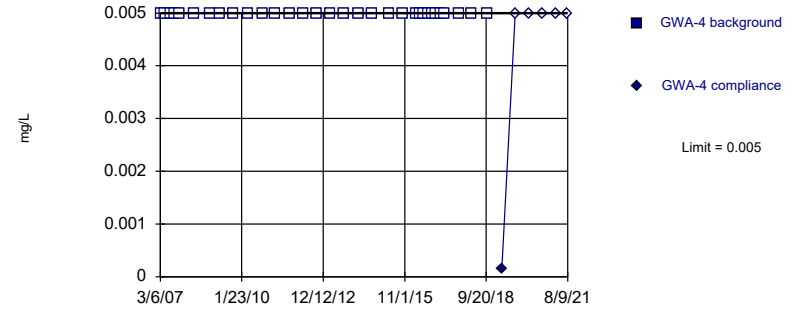


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

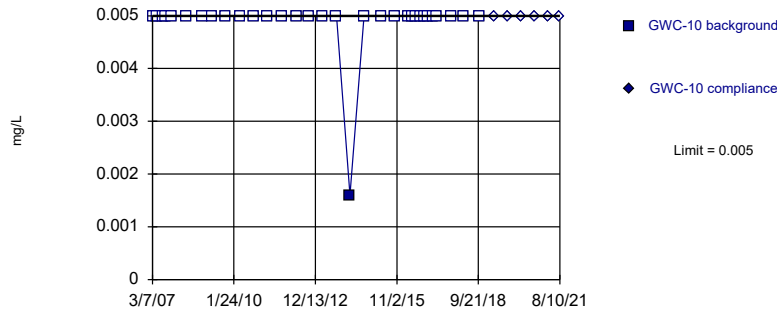


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

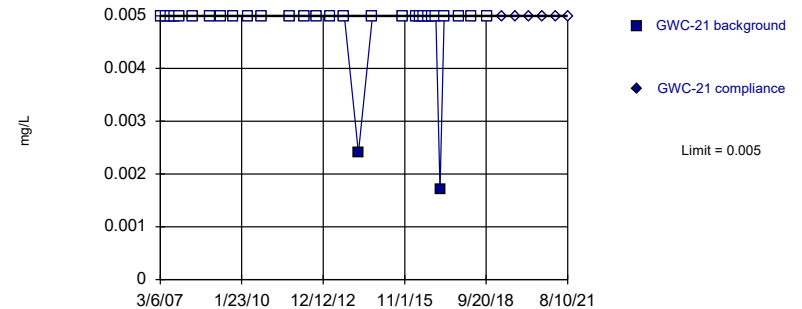


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



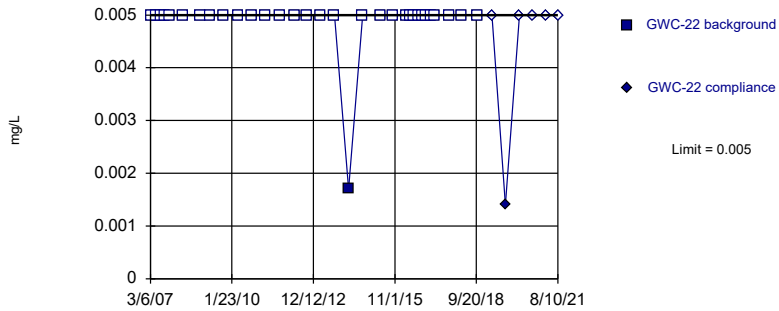
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

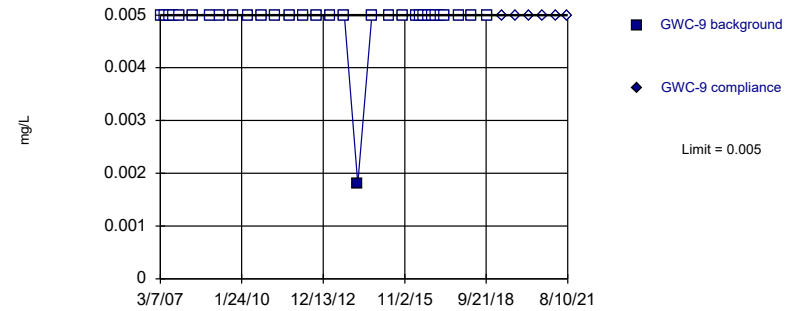


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

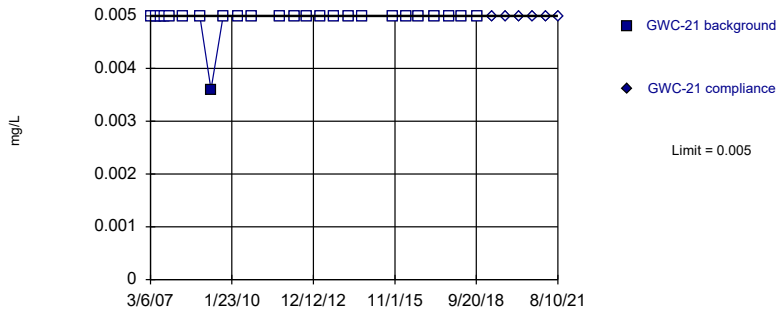


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

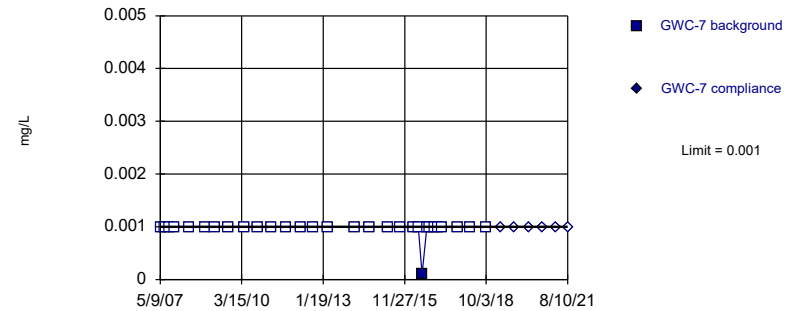


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Silver Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

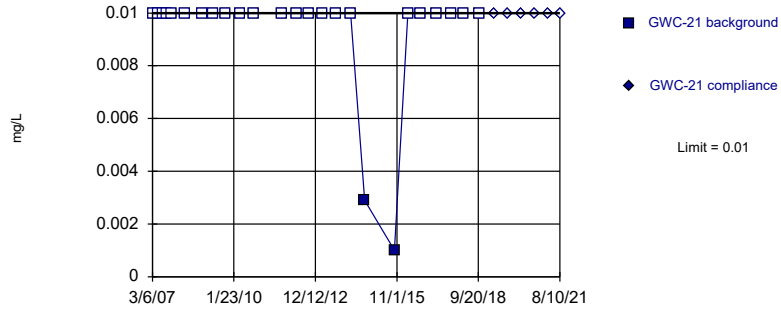


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

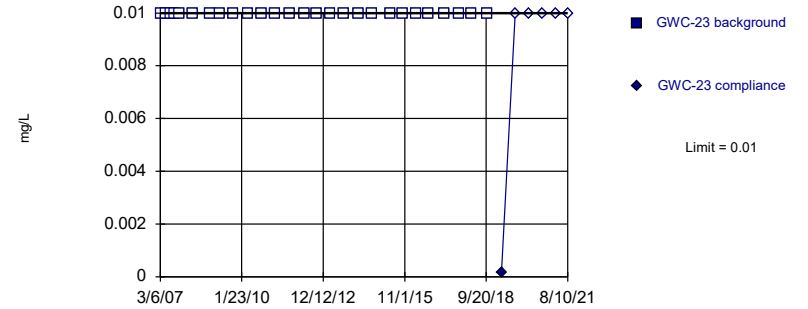


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Vanadium Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

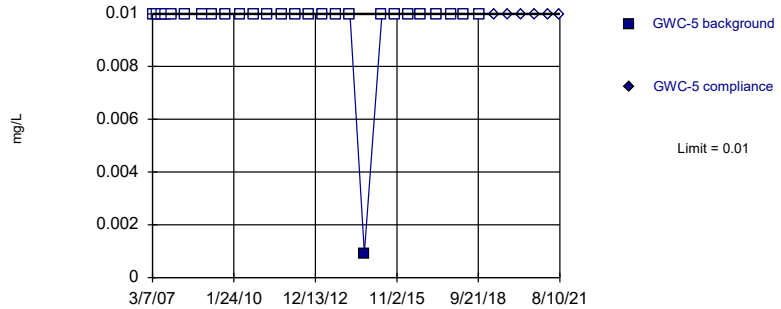


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

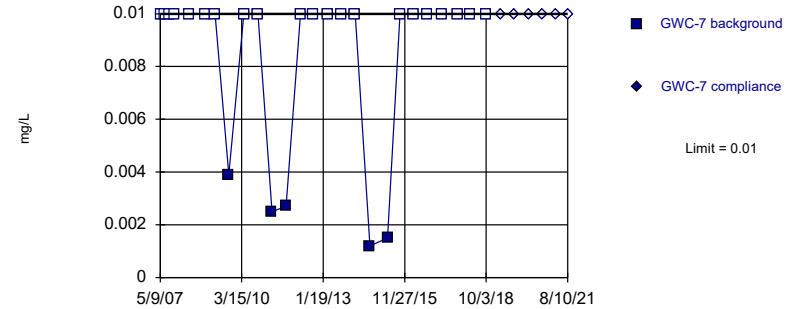


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

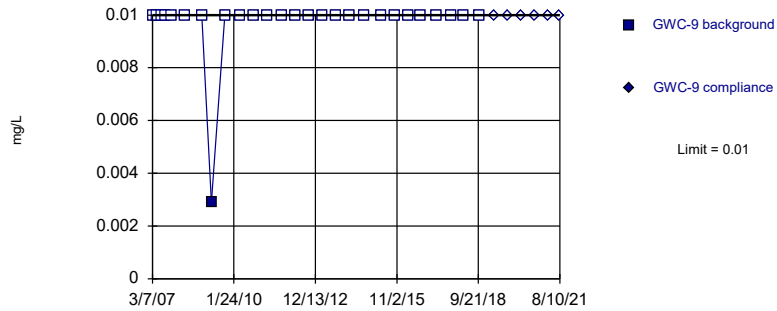


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Vanadium Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

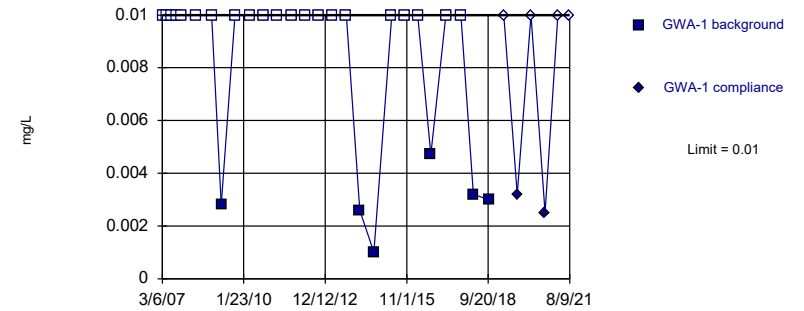


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

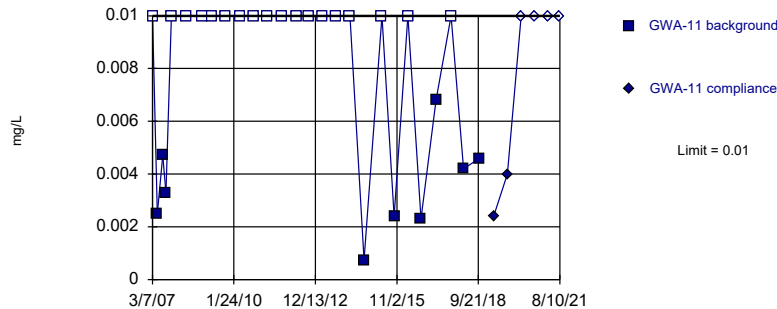


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

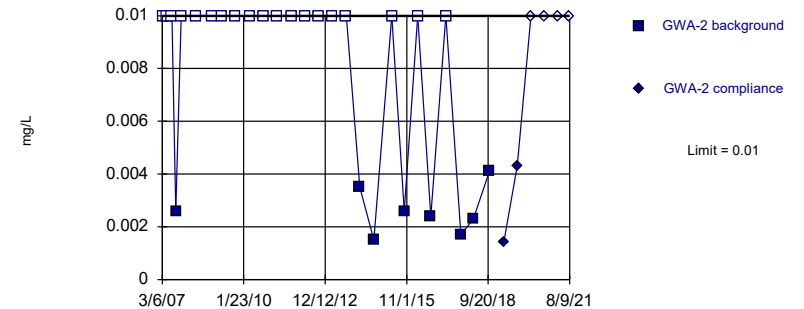


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

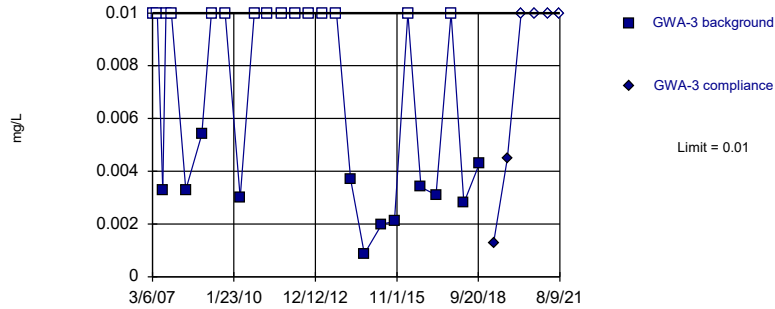


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

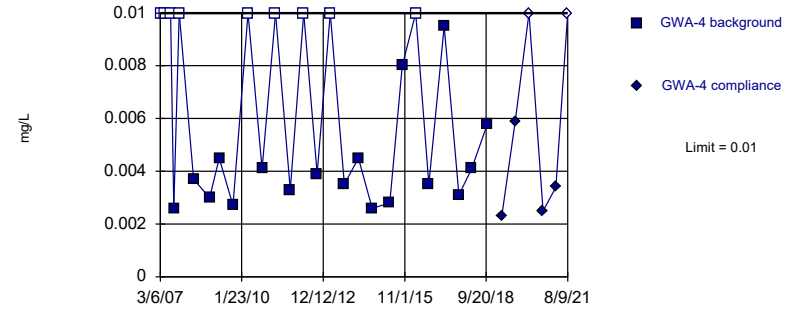


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

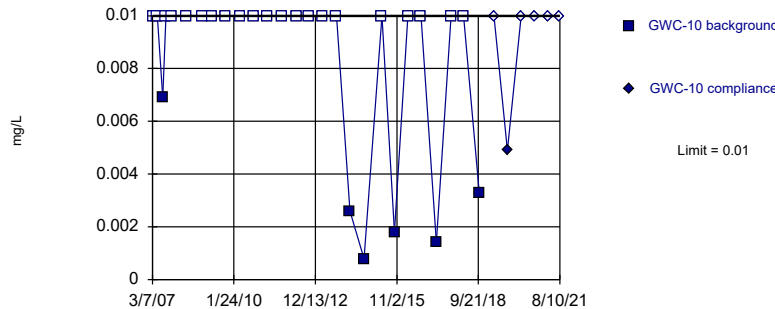


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

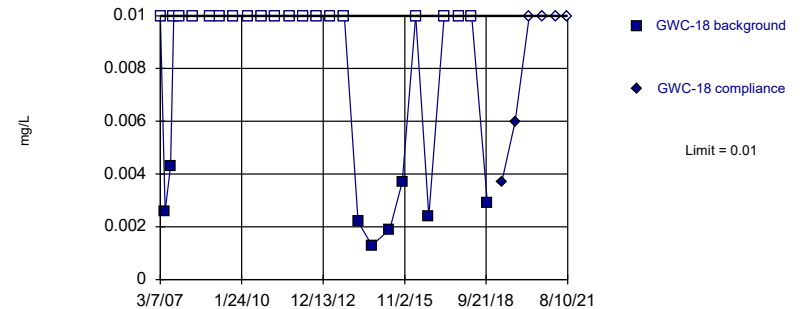


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

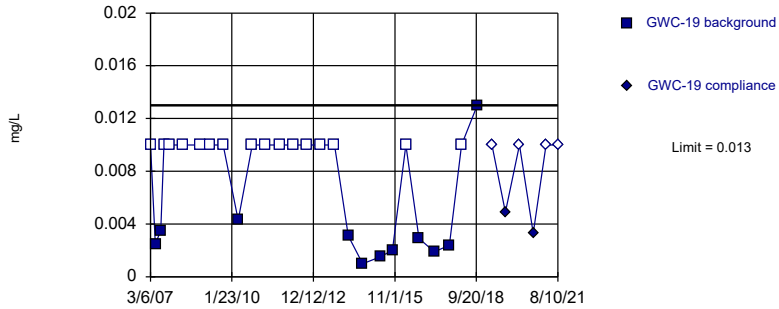


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:42 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

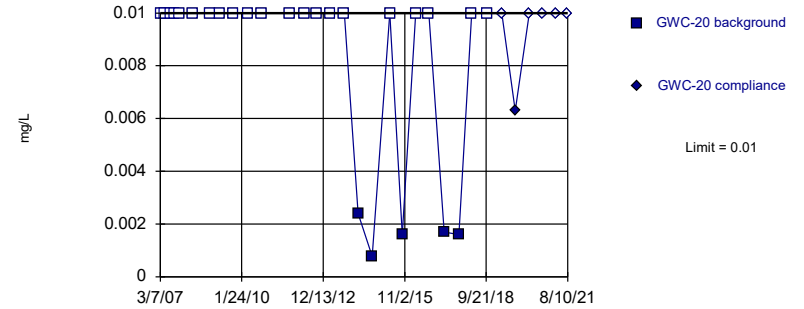


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 59.26% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:43 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

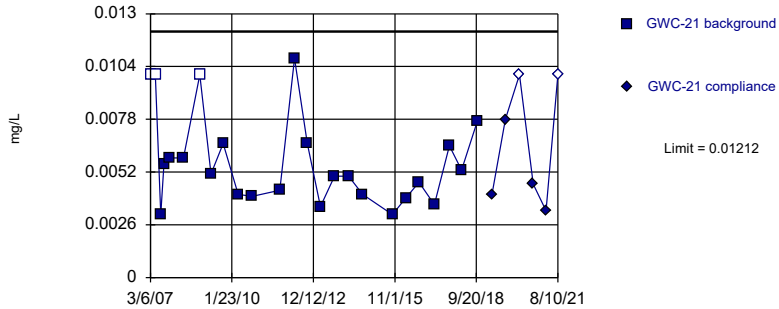


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:43 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

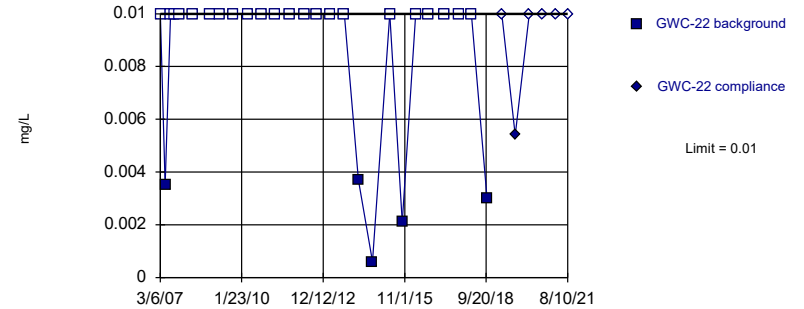


Background Data Summary (based on square root transformation): Mean=0.0747, Std. Dev.=0.01433, n=25, 12% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9104, critical = 0.888. Kappa = 2.47 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Zinc Analysis Run 9/2/2021 3:43 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

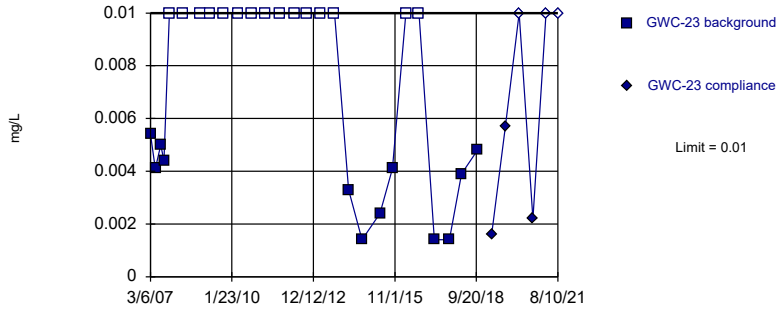


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:43 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

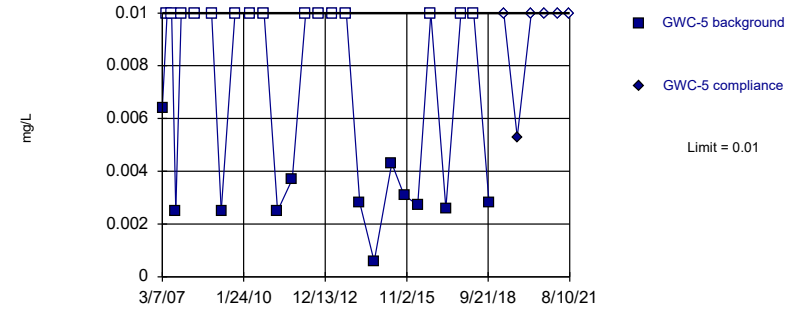


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:43 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

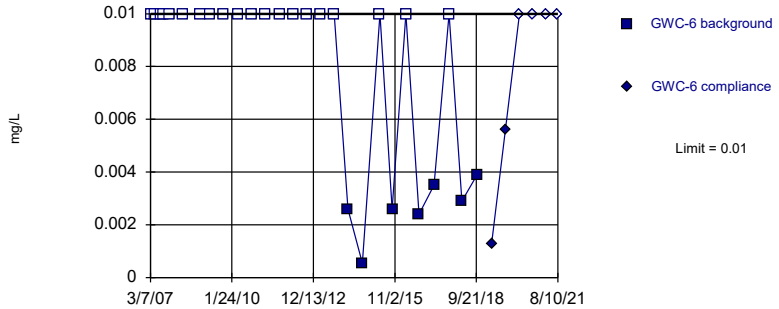


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:43 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

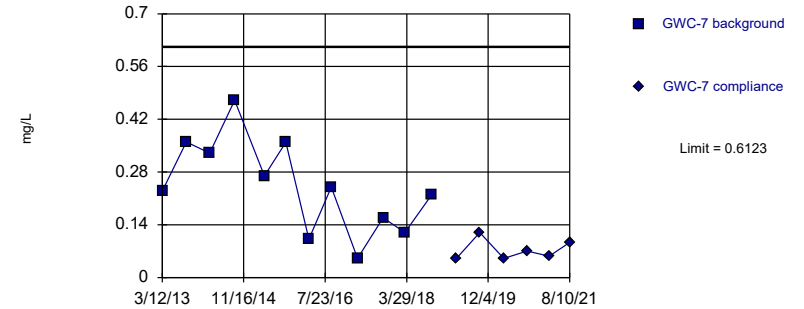


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:43 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

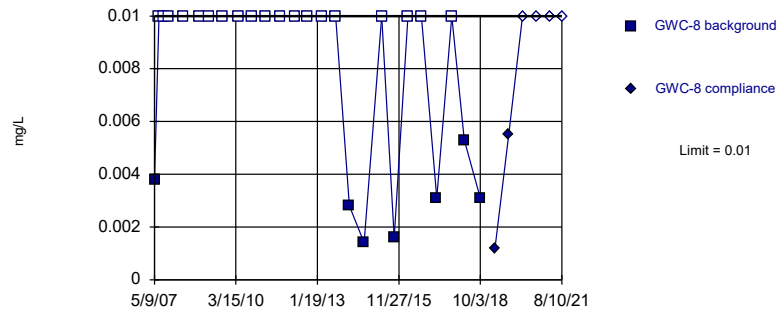


Background Data Summary: Mean=0.2426, Std. Dev.=0.123, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9762, critical = 0.805. Kappa = 3.005 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Zinc Analysis Run 9/2/2021 3:43 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

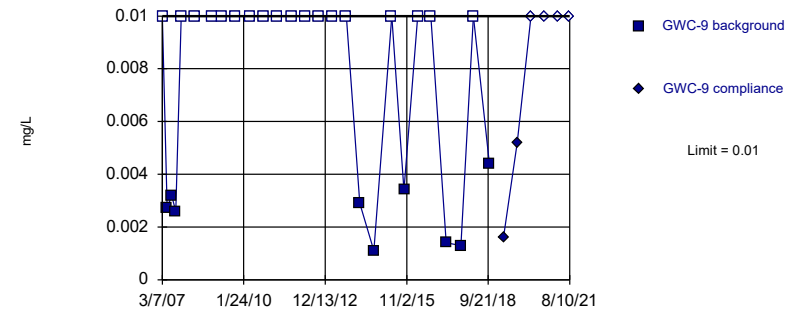


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:43 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 9/2/2021 3:43 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/6/2007	<0.003	
5/8/2007	<0.003	
7/7/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/9/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/1/2009	<0.003	
4/14/2010	<0.003	
10/13/2010	<0.003	
4/6/2011	<0.003	
10/10/2011	<0.003	
4/3/2012	<0.003	
9/24/2012	<0.003	
3/12/2013	<0.003	
9/11/2013	<0.003	
3/4/2014	<0.003	
9/3/2014	<0.003	
4/21/2015	<0.003	
9/30/2015	<0.003	
3/22/2016	<0.003	
5/17/2016	<0.003	
7/5/2016	<0.003	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/6/2016	<0.003	
1/31/2017	<0.003	
3/23/2017	<0.003	
10/4/2017	<0.003	
3/14/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
9/30/2019		<0.003
3/26/2020		0.00028 (J)
9/23/2020		<0.003
3/8/2021		<0.003
8/9/2021		<0.003



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-11	GWA-11
3/7/2007	<0.003	
5/8/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/7/2007	<0.003	
5/9/2008	<0.003	
12/2/2008	<0.003	
4/8/2009	<0.003	
10/1/2009	<0.003	
4/14/2010	<0.003	
10/13/2010	<0.003	
4/6/2011	<0.003	
10/4/2011	<0.003	
4/10/2012	<0.003	
9/26/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/4/2014	<0.003	
9/3/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/22/2016	<0.003	
5/17/2016	<0.003	
7/6/2016	0.0003 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/6/2016	<0.003	
2/1/2017	<0.003	
3/24/2017	<0.003	
10/5/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
9/30/2019		<0.003
3/26/2020		<0.003
9/22/2020		<0.003
3/8/2021		0.0005 (J)
8/10/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/6/2007	<0.003	
5/8/2007	<0.003	
7/7/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/9/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/1/2009	<0.003	
10/7/2010	<0.003	
4/6/2011	<0.003	
10/6/2011	<0.003	
4/3/2012	<0.003	
9/19/2012	<0.003	
3/12/2013	<0.003	
9/9/2013	<0.003	
3/4/2014	<0.003	
9/3/2014	<0.003	
4/22/2015	<0.003	
9/30/2015	<0.003	
3/22/2016	<0.003	
5/17/2016	<0.003	
7/5/2016	<0.003	
9/7/2016	0.0021 (J)	
10/18/2016	<0.003	
12/7/2016	<0.003	
1/31/2017	<0.003	
3/23/2017	<0.003	
10/4/2017	<0.003	
3/14/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
9/30/2019		<0.003
3/26/2020		0.00049 (J)
9/21/2020		<0.003
3/9/2021		<0.003
8/9/2021		0.0023 (J)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/6/2007	<0.003	
5/8/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/2/2009	<0.003	
4/14/2010	<0.003	
10/14/2010	<0.003	
4/5/2011	<0.003	
10/12/2011	<0.003	
4/4/2012	<0.003	
9/26/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/11/2014	<0.003	
9/8/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/22/2016	<0.003	
5/17/2016	<0.003	
7/5/2016	<0.003	
9/7/2016	0.0009 (J)	
10/18/2016	<0.003	
12/6/2016	<0.003	
2/1/2017	<0.003	
3/23/2017	<0.003	
10/4/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/5/2019		<0.003
9/30/2019		<0.003
3/26/2020		<0.003
9/23/2020		<0.003
3/8/2021		<0.003
8/9/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/6/2007	<0.003	
5/8/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/2/2009	<0.003	
4/14/2010	<0.003	
10/14/2010	<0.003	
4/5/2011	<0.003	
10/12/2011	<0.003	
4/4/2012	<0.003	
9/24/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/11/2014	<0.003	
9/8/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/22/2016	<0.003	
5/17/2016	<0.003	
7/6/2016	0.0003 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/6/2016	<0.003	
2/1/2017	<0.003	
3/24/2017	<0.003	
10/4/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
9/30/2019		<0.003
3/26/2020		<0.003
9/23/2020		<0.003
3/8/2021		0.0016 (J)
8/9/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.003	
5/8/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/7/2007	<0.003	
5/9/2008	<0.003	
12/2/2008	<0.003	
4/8/2009	<0.003	
10/1/2009	<0.003	
4/14/2010	<0.003	
10/13/2010	<0.003	
4/6/2011	<0.003	
10/4/2011	<0.003	
4/10/2012	<0.003	
9/26/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/4/2014	<0.003	
9/3/2014	<0.003	
4/21/2015	<0.003	
9/30/2015	<0.003	
3/23/2016	<0.003	
5/17/2016	<0.003	
7/6/2016	0.0005 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/6/2016	<0.003	
2/2/2017	<0.003	
3/27/2017	<0.003	
10/5/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/9/2019		<0.003
10/1/2019		<0.003
3/27/2020		<0.003
9/25/2020		<0.003
3/9/2021		<0.003
8/10/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.003	
5/9/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/7/2007	<0.003	
5/7/2008	<0.003	
12/3/2008	<0.003	
4/14/2009	<0.003	
10/1/2009	<0.003	
4/13/2010	<0.003	
10/12/2010	<0.003	
4/6/2011	<0.003	
10/12/2011	<0.003	
4/5/2012	<0.003	
9/19/2012	<0.003	
3/13/2013	<0.003	
9/10/2013	<0.003	
3/10/2014	<0.003	
9/3/2014	<0.003	
4/22/2015	<0.003	
9/30/2015	<0.003	
3/24/2016	<0.003	
5/18/2016	<0.003	
7/7/2016	<0.003	
9/8/2016	<0.003	
10/19/2016	<0.003	
12/8/2016	<0.003	
2/2/2017	<0.003	
3/27/2017	<0.003	
10/5/2017	<0.003	
3/16/2018	<0.003	
10/5/2018	<0.003	
4/9/2019		<0.003
10/1/2019		<0.003
3/30/2020		<0.003
9/24/2020		0.00033 (J)
3/9/2021		<0.003
8/10/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-19	GWC-19
3/6/2007	<0.003	
5/9/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/7/2007	<0.003	
5/7/2008	<0.003	
12/4/2008	<0.003	
4/14/2009	<0.003	
10/2/2009	<0.003	
4/13/2010	<0.003	
10/12/2010	<0.003	
4/6/2011	<0.003	
10/12/2011	<0.003	
4/5/2012	<0.003	
9/25/2012	<0.003	
3/13/2013	<0.003	
9/11/2013	<0.003	
3/10/2014	<0.003	
9/9/2014	<0.003	
4/22/2015	<0.003	
9/30/2015	<0.003	
3/24/2016	<0.003	
5/18/2016	<0.003	
7/6/2016	0.0003 (J)	
9/8/2016	<0.003	
10/18/2016	<0.003	
12/7/2016	<0.003	
2/2/2017	<0.003	
3/27/2017	<0.003	
10/5/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/9/2019		<0.003
10/1/2019		<0.003
3/31/2020		<0.003
9/28/2020		<0.003
3/10/2021		<0.003
8/10/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.003	
5/8/2007	<0.003	
7/6/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/1/2009	<0.003	
4/14/2010	<0.003	
10/14/2010	<0.003	
4/5/2011	<0.003	
10/12/2011	<0.003	
4/4/2012	<0.003	
9/24/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/5/2014	<0.003	
9/9/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/23/2016	<0.003	
5/17/2016	<0.003	
7/6/2016	0.0004 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/8/2016	<0.003	
2/1/2017	<0.003	
3/23/2017	<0.003	
10/4/2017	<0.003	
3/16/2018	<0.003	
10/4/2018	<0.003	
4/9/2019		<0.003
10/1/2019		<0.003
3/31/2020		<0.003
9/25/2020		0.00052 (J)
3/9/2021		<0.003
8/10/2021		<0.003



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/7/2007	<0.003	
5/9/2007	<0.003	
7/17/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/3/2008	<0.003	
4/7/2009	<0.003	
10/1/2009	<0.003	
4/13/2010	<0.003	
10/6/2010	<0.003	
4/5/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
9/18/2012	<0.003	
3/12/2013	<0.003	
9/9/2013	<0.003	
3/5/2014	<0.003	
9/8/2014	<0.003	
4/22/2015	<0.003	
9/29/2015	<0.003	
3/23/2016	<0.003	
5/17/2016	<0.003	
7/6/2016	0.0005 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/8/2016	<0.003	
2/1/2017	<0.003	
3/23/2017	<0.003	
10/4/2017	<0.003	
3/16/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
10/1/2019		<0.003
3/31/2020		<0.003
9/25/2020		<0.003
3/9/2021		<0.003
8/10/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
5/9/2007	<0.003	
7/6/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/2/2008	<0.003	
4/8/2009	<0.003	
10/1/2009	<0.003	
4/13/2010	<0.003	
10/7/2010	<0.003	
4/5/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
9/18/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/5/2014	<0.003	
9/8/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/23/2016	<0.003	
5/18/2016	<0.003	
7/6/2016	0.0013 (J)	
9/7/2016	<0.003	
10/18/2016	<0.003	
12/8/2016	<0.003	
2/2/2017	<0.003	
3/24/2017	<0.003	
10/4/2017	<0.003	
3/15/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
10/1/2019		<0.003
3/30/2020		<0.003
9/24/2020		0.0008 (J)
3/9/2021		<0.003
8/10/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.003	
7/6/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	0.0064 (o)	
5/8/2008	<0.003	
12/2/2008	<0.003	
4/8/2009	<0.003	
9/30/2009	<0.003	
4/13/2010	<0.003	
10/13/2010	<0.003	
4/5/2011	<0.003	
10/4/2011	<0.003	
4/3/2012	<0.003	
9/19/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/5/2014	<0.003	
9/9/2014	<0.003	
4/22/2015	<0.003	
9/29/2015	<0.003	
3/23/2016	<0.003	
5/18/2016	<0.003	
7/6/2016	0.0002 (J)	
9/8/2016	<0.003	
10/18/2016	<0.003	
12/8/2016	<0.003	
2/2/2017	<0.003	
3/24/2017	<0.003	
10/5/2017	<0.003	
3/14/2018	<0.003	
10/4/2018	<0.003	
4/8/2019		<0.003
10/1/2019		<0.003
3/27/2020		<0.003
9/24/2020		0.0019 (J)
3/9/2021		<0.003
8/10/2021		<0.003

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/7/2007	<0.003	
5/8/2007	<0.003	
7/6/2007	<0.003	
8/28/2007	<0.003	
11/6/2007	<0.003	
5/8/2008	<0.003	
12/2/2008	<0.003	
4/8/2009	<0.003	
9/30/2009	<0.003	
4/13/2010	<0.003	
10/13/2010	<0.003	
4/5/2011	<0.003	
10/4/2011	<0.003	
4/4/2012	<0.003	
9/19/2012	<0.003	
3/12/2013	<0.003	
9/10/2013	<0.003	
3/5/2014	<0.003	
9/3/2014	<0.003	
4/21/2015	<0.003	
9/29/2015	<0.003	
3/23/2016	<0.003	
5/18/2016	<0.003	
7/6/2016	<0.003	
9/8/2016	<0.003	
10/19/2016	<0.003	
12/8/2016	0.0012 (J)	
2/2/2017	<0.003	
3/27/2017	<0.003	
10/5/2017	<0.003	
3/15/2018	<0.003	
10/5/2018	<0.003	
4/8/2019		<0.003
10/1/2019		<0.003
3/27/2020		<0.003
9/24/2020		0.00056 (J)
3/9/2021		<0.003
8/10/2021		<0.003

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/24/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00012 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/22/2020		<0.005
3/8/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	0.005	
9/8/2014	0.0034 (J)	
4/21/2015	<0.005	
9/29/2015	0.0025 (J)	
3/22/2016	<0.005	
5/17/2016	0.00129 (J)	
7/5/2016	0.001 (J)	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	0.0006 (J)	
10/4/2017	0.0011 (J)	
3/15/2018	0.00066 (J)	
10/4/2018	0.0008 (J)	
4/5/2019		0.00035 (J)
9/30/2019		0.00058 (J)
3/26/2020		0.00048 (J)
9/23/2020		<0.005
3/8/2021		<0.005
8/9/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	0.0065	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/24/2017	0.0006 (J)	
10/4/2017	<0.005	
3/15/2018	0.0014 (J)	
10/4/2018	<0.005	
4/8/2019		0.00023 (J)
9/30/2019		<0.005
3/26/2020		0.00044 (J)
9/23/2020		<0.005
3/8/2021		<0.005
8/9/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/3/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/10/2014	<0.005	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	0.0005 (J)	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		0.00063 (J)
10/1/2019		<0.005
3/30/2020		0.00073 (J)
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/27/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/5/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	<0.005	
9/30/2015	0.0023 (J)	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	0.0012 (J)	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	0.001 (J)	
3/15/2018	<0.005	
10/4/2018	0.0034 (J)	
4/9/2019		0.0018 (J)
10/1/2019		<0.005
3/31/2020		0.00035 (J)
9/24/2020		0.0011 (J)
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/3/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/3/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		0.00034 (J)
10/1/2019		0.00082 (J)
3/26/2020		<0.005
9/23/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-5	GWC-5
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.0017 (J)	
9/9/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	0.0006 (J)	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
5/9/2007	0.038 (o)	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	0.0053	
3/5/2014	0.0052	
9/8/2014	0.0058	
4/21/2015	0.0088	
9/29/2015	0.0086	
3/23/2016	0.00693	
5/18/2016	0.00451 (J)	
7/6/2016	0.0063	
9/7/2016	0.0065	
10/18/2016	0.0056	
12/8/2016	0.0065	
2/2/2017	0.002 (J)	
3/24/2017	0.0027 (J)	
10/4/2017	0.0056	
3/15/2018	0.0037 (J)	
10/4/2018	0.0049 (J)	
4/8/2019		0.0057
10/1/2019		0.01
11/6/2019		0.011
3/30/2020		0.0052
9/24/2020		0.0064
3/9/2021		0.0052
8/10/2021		0.0072

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-8	GWC-8
5/9/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.0022 (J)	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/24/2017	0.0005 (J)	
10/5/2017	0.0008 (J)	
3/14/2018	0.00064 (J)	
10/4/2018	<0.005	
4/8/2019		0.0015 (J)
10/1/2019		0.0028 (J)
3/27/2020		0.002 (J)
9/24/2020		0.0043 (J)
3/9/2021		0.0018 (J)
8/10/2021		0.005

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		<0.005
10/1/2019		0.00071 (J)
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/6/2007	0.032	
5/8/2007	0.04	
7/7/2007	0.041	
8/28/2007	0.044	
11/6/2007	0.044	
5/9/2008	0.03	
12/3/2008	0.047	
4/7/2009	0.032	
10/1/2009	0.043	
4/14/2010	0.032	
10/13/2010	0.046	
4/6/2011	0.034	
10/10/2011	0.038	
4/3/2012	0.0363	
9/24/2012	0.041	
3/12/2013	0.041	
9/11/2013	0.048	
3/4/2014	0.036	
9/3/2014	0.04	
4/21/2015	0.033	
9/30/2015	0.042	
3/22/2016	0.0326	
5/17/2016	0.0387	
7/5/2016	0.0403	
9/7/2016	0.0413	
10/18/2016	0.0409	
12/6/2016	0.0408	
1/31/2017	0.0435	
3/23/2017	0.038	
10/4/2017	0.0396	
3/14/2018	0.039	
10/4/2018	0.039	
4/8/2019		0.031
9/30/2019		0.042
3/26/2020		0.032
9/23/2020		0.041
3/8/2021		0.035
8/9/2021		0.046

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	0.03	
5/8/2007	0.032	
7/17/2007	0.028	
8/28/2007	0.03	
11/7/2007	0.032	
5/9/2008	0.032	
12/2/2008	0.036	
4/8/2009	0.04	
10/1/2009	0.039	
4/14/2010	0.041	
10/13/2010	0.039	
4/6/2011	0.034	
10/4/2011	0.032	
4/10/2012	0.0425	
9/26/2012	0.035	
3/12/2013	0.035	
9/10/2013	0.035	
3/4/2014	0.031	
9/3/2014	0.033	
4/21/2015	0.03	
9/29/2015	0.031	
3/22/2016	0.0327	
5/17/2016	0.0323	
7/6/2016	0.0344	
9/7/2016	0.0324	
10/18/2016	0.0311	
12/6/2016	0.0311	
2/1/2017	0.0332	
3/24/2017	0.032	
10/5/2017	0.0325	
3/15/2018	0.031	
10/4/2018	0.033	
4/8/2019		0.031
9/30/2019		0.03
3/26/2020		0.031
9/22/2020		0.031
3/8/2021		0.031
8/10/2021		0.03



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-2	GWA-2
3/6/2007	0.12	
5/8/2007	0.11	
7/7/2007	0.11	
8/28/2007	0.13	
11/6/2007	0.12	
5/9/2008	0.12	
12/3/2008	0.12	
4/7/2009	0.13	
10/1/2009	0.14	
4/13/2010	0.15	
10/7/2010	0.16	
4/6/2011	0.14	
10/6/2011	0.16	
4/3/2012	0.165	
9/19/2012	0.16	
3/12/2013	0.16	
9/9/2013	0.17	
3/4/2014	0.16	
9/3/2014	0.17	
4/22/2015	0.17	
9/30/2015	0.15	
3/22/2016	0.197	
5/17/2016	0.178	
7/5/2016	0.182	
9/7/2016	0.172	
10/18/2016	0.174	
12/7/2016	0.167	
1/31/2017	0.176	
3/23/2017	0.157	
10/4/2017	0.143	
3/14/2018	0.17	
10/4/2018	0.18	
4/8/2019		0.15
9/30/2019		0.17
3/26/2020		0.16
9/21/2020		0.18
3/9/2021		0.17
8/9/2021		0.19

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/6/2007	0.17	
5/8/2007	0.21	
7/17/2007	0.21	
8/28/2007	0.2	
11/6/2007	0.19	
5/8/2008	0.2	
12/3/2008	0.18	
4/7/2009	0.2	
10/2/2009	0.2	
4/14/2010	0.2	
10/14/2010	0.18	
4/5/2011	0.16	
10/12/2011	0.15	
4/4/2012	0.165	
9/26/2012	0.17	
3/12/2013	0.17	
9/10/2013	0.18	
3/11/2014	0.17	
9/8/2014	0.16	
4/21/2015	0.16	
9/29/2015	0.14	
3/22/2016	0.188	
5/17/2016	0.193	
7/5/2016	0.172	
9/7/2016	0.164	
10/18/2016	0.138	
12/6/2016	0.149	
2/1/2017	0.121	
3/23/2017	0.143	
10/4/2017	0.139	
3/15/2018	0.17	
10/4/2018	0.16	
4/5/2019		0.13
9/30/2019		0.14
3/26/2020		0.14
9/23/2020		0.14
3/8/2021		0.12
8/9/2021		0.12

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/6/2007	0.13	
5/8/2007	0.12	
7/17/2007	0.12	
8/28/2007	0.13	
11/6/2007	0.12	
5/8/2008	0.13	
12/3/2008	0.14	
4/7/2009	0.097	
10/2/2009	0.11	
4/14/2010	0.059	
10/14/2010	0.053	
4/5/2011	0.042	
10/12/2011	0.048	
4/4/2012	0.044	
9/24/2012	0.048	
3/12/2013	0.043	
9/10/2013	0.042	
3/11/2014	0.04	
9/8/2014	0.042	
4/21/2015	0.05	
9/29/2015	0.044	
3/22/2016	0.0397	
5/17/2016	0.0351	
7/6/2016	0.0475	
9/7/2016	0.0415	
10/18/2016	0.0424	
12/6/2016	0.0528	
2/1/2017	0.0482	
3/24/2017	0.0595	
10/4/2017	0.0486	
3/15/2018	0.04	
10/4/2018	0.05	
4/8/2019		0.047
9/30/2019		0.051
3/26/2020		0.049
9/23/2020		0.043
3/8/2021		0.052
8/9/2021		0.034

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	0.15	
5/8/2007	0.14	
7/17/2007	0.1	
8/28/2007	0.1	
11/7/2007	0.11	
5/9/2008	0.15	
12/2/2008	0.11	
4/8/2009	0.16	
10/1/2009	0.11	
4/14/2010	0.15	
10/13/2010	0.1	
4/6/2011	0.13	
10/4/2011	0.089	
4/10/2012	0.126	
9/26/2012	0.093	
3/12/2013	0.13	
9/10/2013	0.14	
3/4/2014	0.11	
9/3/2014	0.1	
4/21/2015	0.14	
9/30/2015	0.096	
3/23/2016	0.132	
5/17/2016	0.122	
7/6/2016	0.101	
9/7/2016	0.0985	
10/18/2016	0.104	
12/6/2016	0.1	
2/2/2017	0.147	
3/27/2017	0.158	
10/5/2017	0.106	
3/15/2018	0.18	
5/15/2018	0.16	
10/4/2018	0.2	
12/11/2018	0.18	
1/11/2019		0.17
4/9/2019		0.17
10/1/2019		0.12
3/27/2020		0.037
9/25/2020		0.11
3/9/2021		0.15
8/10/2021		0.14

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	0.072	
5/9/2007	0.063	
7/17/2007	0.058	
8/28/2007	0.06	
11/7/2007	0.072	
5/7/2008	0.076	
12/3/2008	0.066	
4/14/2009	0.08	
10/1/2009	0.074	
4/13/2010	0.062	
10/12/2010	0.078	
4/6/2011	0.066	
10/12/2011	0.071	
4/5/2012	0.0675	
9/19/2012	0.073	
3/13/2013	0.075	
9/10/2013	0.081	
3/10/2014	0.064	
9/3/2014	0.078	
4/22/2015	0.067	
9/30/2015	0.075	
3/24/2016	0.0818	
5/18/2016	0.0763	
7/7/2016	0.0747	
9/8/2016	0.081	
10/19/2016	0.084	
12/8/2016	0.0799	
2/2/2017	0.0813	
3/27/2017	0.0714	
10/5/2017	0.0755	
3/16/2018	0.074	
10/5/2018	0.081	
4/9/2019		0.081
10/1/2019		0.082
3/30/2020		0.077
9/24/2020		0.079
3/9/2021		0.077
8/10/2021		0.093

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	0.088	
5/9/2007	0.07	
7/17/2007	0.063	
8/28/2007	0.066	
11/7/2007	0.07	
5/7/2008	0.071	
12/4/2008	0.068	
4/14/2009	0.076	
10/2/2009	0.07	
4/13/2010	0.085	
10/12/2010	0.075	
4/6/2011	0.077	
10/12/2011	0.12	
4/5/2012	0.143	
9/25/2012	0.13	
3/13/2013	0.14	
9/11/2013	0.15	
3/10/2014	0.13	
9/9/2014	0.16	
4/22/2015	0.15	
9/30/2015	0.15	
3/24/2016	0.152	
5/18/2016	0.146	
7/6/2016	0.152	
9/8/2016	0.142	
10/18/2016	0.145	
12/7/2016	0.133	
2/2/2017	0.14	
3/27/2017	0.152	
10/5/2017	0.142	
3/15/2018	0.14	
10/4/2018	0.16	
4/9/2019		0.15
10/1/2019		0.15
3/31/2020		0.17
9/28/2020		0.15
3/10/2021		0.15
8/10/2021		0.14

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	0.11	
5/9/2007	0.082	
7/17/2007	0.078	
8/29/2007	0.096	
11/7/2007	0.1	
5/7/2008	0.11	
12/5/2008	0.11	
4/14/2009	0.11	
9/30/2009	0.12	
4/13/2010	0.11	
10/12/2010	0.12	
10/12/2011	0.11	
4/9/2012	0.13	
9/25/2012	0.13	
3/13/2013	0.12	
9/11/2013	0.12	
3/10/2014	0.11	
9/9/2014	0.11	
4/23/2015	0.11	
9/30/2015	0.11	
3/23/2016	0.115	
5/18/2016	0.128	
7/7/2016	0.124	
9/8/2016	0.121	
10/19/2016	0.117	
12/7/2016	0.11	
2/3/2017	0.123	
3/27/2017	0.112	
10/5/2017	0.128	
3/16/2018	0.12	
10/5/2018	0.12	
4/9/2019		0.13
10/1/2019		0.14
3/31/2020		0.15
6/19/2020		0.14 (R)
9/23/2020		0.13
3/10/2021		0.13
8/10/2021		0.14

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	0.038	
5/9/2007	0.046	
7/17/2007	0.06	
8/29/2007	0.07	
11/7/2007	0.055	
5/7/2008	0.032	
12/5/2008	0.06	
4/27/2009	0.032	
9/30/2009	0.046	
4/13/2010	0.035	
10/12/2010	0.15	
10/5/2011	0.055	
4/10/2012	0.0399	
9/26/2012	0.093	
3/13/2013	0.066	
9/11/2013	0.053	
3/11/2014	0.039	
9/9/2014	0.14	
9/30/2015	0.15	
3/24/2016	0.046	
5/18/2016	0.0557	
7/7/2016	0.0596	
9/8/2016	0.184	
10/19/2016	0.186	
12/7/2016	0.174	
2/2/2017	0.0783	
3/27/2017	0.0363	
10/5/2017	0.0562	
3/15/2018	0.086	
10/4/2018	0.079	
4/9/2019		0.05
10/1/2019		0.18
3/31/2020		0.044
9/24/2020		0.19
3/9/2021		0.12
8/10/2021		0.057



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	0.023	
5/9/2007	0.034	
7/17/2007	0.034	
8/29/2007	0.048	
11/7/2007	0.042	
5/7/2008	0.078	
12/5/2008	0.067	
4/14/2009	0.083	
9/30/2009	0.086	
4/13/2010	0.087	
10/12/2010	0.082	
4/6/2011	0.082	
10/5/2011	0.082	
4/9/2012	0.0959	
9/25/2012	0.09	
3/13/2013	0.092	
9/11/2013	0.096	
3/11/2014	0.085	
9/9/2014	0.096	
4/23/2015	0.093	
9/30/2015	0.096	
3/23/2016	0.0938	
5/18/2016	0.0983	
7/7/2016	0.121	
9/8/2016	0.0917	
10/19/2016	0.091	
12/7/2016	0.0868	
2/2/2017	0.0939	
3/27/2017	0.0905	
10/5/2017	0.0945	
3/15/2018	0.096	
10/4/2018	0.1	
4/9/2019		0.094
10/1/2019		0.1
3/31/2020		0.1
9/23/2020		0.1
3/9/2021		0.089
8/10/2021		0.091

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	0.05	
5/9/2007	0.055	
7/17/2007	0.048	
8/29/2007	0.056	
11/7/2007	0.07	
5/7/2008	0.063	
12/5/2008	0.068	
4/14/2009	0.062	
10/1/2009	0.064	
4/14/2010	0.048	
10/13/2010	0.071	
4/6/2011	0.042	
10/12/2011	0.066	
4/9/2012	0.0628	
9/19/2012	0.073	
3/13/2013	0.057	
9/10/2013	0.066	
3/11/2014	0.054	
9/3/2014	0.06	
4/23/2015	0.06	
9/30/2015	0.076	
3/23/2016	0.0533	
5/19/2016	0.074	
7/7/2016	0.0766	
9/8/2016	0.0726	
10/19/2016	0.072	
12/7/2016	0.0732	
2/3/2017	0.0619	
3/27/2017	0.0602	
10/5/2017	0.0734	
3/15/2018	0.053	
10/5/2018	0.065	
4/8/2019		0.059
10/1/2019		0.082
3/26/2020		0.071
9/23/2020		0.079
3/9/2021		0.085
8/10/2021		0.085

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-5	GWC-5
3/7/2007	0.1	
5/8/2007	0.11	
7/6/2007	0.11	
8/28/2007	0.1	
11/6/2007	0.1	
5/8/2008	0.11	
12/3/2008	0.091	
4/7/2009	0.094	
10/1/2009	0.097	
4/14/2010	0.096	
10/14/2010	0.1	
4/5/2011	0.092	
10/12/2011	0.12	
4/4/2012	0.105	
9/24/2012	0.13	
3/12/2013	0.1	
9/10/2013	0.13	
3/5/2014	0.084	
9/9/2014	0.11	
4/21/2015	0.11	
9/29/2015	0.097	
3/23/2016	0.0993	
5/17/2016	0.104	
7/6/2016	0.104	
9/7/2016	0.0945	
10/18/2016	0.0928	
12/8/2016	0.1	
2/1/2017	0.0972	
3/23/2017	0.105	
10/4/2017	0.102	
3/16/2018	0.091	
10/4/2018	0.084	
4/9/2019		0.067
10/1/2019		0.09
3/31/2020		0.064
9/25/2020		0.074
3/9/2021		0.063
8/10/2021		0.077

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/7/2007	0.057	
5/9/2007	0.054	
7/17/2007	0.059	
8/28/2007	0.061	
11/6/2007	0.074	
5/8/2008	0.079	
12/3/2008	0.1	
4/7/2009	0.091	
10/1/2009	0.092	
4/13/2010	0.095	
10/6/2010	0.11	
4/5/2011	0.1	
10/4/2011	0.11	
4/3/2012	0.116	
9/18/2012	0.12	
3/12/2013	0.11	
9/9/2013	0.13	
3/5/2014	0.12	
9/8/2014	0.13	
4/22/2015	0.14	
9/29/2015	0.14	
3/23/2016	0.156	
5/17/2016	0.168	
7/6/2016	0.171	
9/7/2016	0.154	
10/18/2016	0.159	
12/8/2016	0.156	
2/1/2017	0.163	
3/23/2017	0.161	
10/4/2017	0.171	
3/16/2018	0.17	
10/4/2018	0.19	
4/8/2019		0.15
10/1/2019		0.18
3/31/2020		0.18
9/25/2020		0.16
3/9/2021		0.17
8/10/2021		0.18

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
5/9/2007	0.011	
7/6/2007	0.0065	
8/28/2007	0.0095	
11/6/2007	0.013	
5/8/2008	0.011	
12/2/2008	0.011	
4/8/2009	0.0091	
10/1/2009	0.0098	
4/13/2010	0.0084	
10/7/2010	0.01	
4/5/2011	0.015	
10/4/2011	0.01	
4/3/2012	0.0426	
9/18/2012	0.02	
3/12/2013	0.35	
9/10/2013	0.11	
3/5/2014	0.054	
9/8/2014	0.044	
4/21/2015	0.065	
9/29/2015	0.036	
3/23/2016	0.263	
5/18/2016	0.245	
7/6/2016	0.117	
9/7/2016	0.0703	
10/18/2016	0.068	
12/8/2016	0.0791	
2/2/2017	0.17	
3/24/2017	0.181	
10/4/2017	0.0937	
3/15/2018	0.15	
10/4/2018	0.08	
4/8/2019		0.24
10/1/2019		0.085
3/30/2020		0.21
9/24/2020		0.11
3/9/2021		0.31
8/10/2021		0.14

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	0.13	
7/6/2007	0.12	
8/28/2007	0.11	
11/6/2007	0.1	
5/8/2008	0.1	
12/2/2008	0.11	
4/8/2009	0.1	
9/30/2009	0.099	
4/13/2010	0.098	
10/13/2010	0.092	
4/5/2011	0.085	
10/4/2011	0.091	
4/3/2012	0.101	
9/19/2012	0.1	
3/12/2013	0.098	
9/10/2013	0.11	
3/5/2014	0.087	
9/9/2014	0.1	
4/22/2015	0.095	
9/29/2015	0.093	
3/23/2016	0.0918	
5/18/2016	0.0957	
7/6/2016	0.0935	
9/8/2016	0.0925	
10/18/2016	0.0939	
12/8/2016	0.0996	
2/2/2017	0.096	
3/24/2017	0.106	
10/5/2017	0.103	
3/14/2018	0.1	
10/4/2018	0.11	
4/8/2019		0.13
6/18/2019		0.17
10/1/2019		0.12
3/27/2020		0.14
9/24/2020		0.14
3/9/2021		0.14
8/10/2021		0.23

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	0.059	
5/8/2007	0.055	
7/6/2007	0.052	
8/28/2007	0.047	
11/6/2007	0.048	
5/8/2008	0.052	
12/2/2008	0.056	
4/8/2009	0.057	
9/30/2009	0.055	
4/13/2010	0.053	
10/13/2010	0.054	
4/5/2011	0.035 (o)	
10/4/2011	0.058	
4/4/2012	0.0632	
9/19/2012	0.061	
3/12/2013	0.056	
9/10/2013	0.067	
3/5/2014	0.055	
9/3/2014	0.051	
4/21/2015	0.059	
9/29/2015	0.06	
3/23/2016	0.0636	
5/18/2016	0.0629	
7/6/2016	0.0646	
9/8/2016	0.063	
10/19/2016	0.0644	
12/8/2016	0.0648	
2/2/2017	0.0656	
3/27/2017	0.0619	
10/5/2017	0.0655	
3/15/2018	0.062	
10/5/2018	0.07	
4/8/2019		0.058
10/1/2019		0.071
3/27/2020		0.06
9/24/2020		0.06
3/9/2021		0.059
8/10/2021		0.067

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/6/2007	<0.0005	
5/8/2007	<0.0005	
7/17/2007	<0.0005	
8/28/2007	<0.0005	
11/6/2007	<0.0005	
5/8/2008	<0.0005	
12/3/2008	<0.0005	
4/7/2009	<0.0005	
10/2/2009	<0.0005	
4/14/2010	<0.0005	
10/14/2010	<0.0005	
4/5/2011	<0.0005	
10/12/2011	<0.0005	
4/4/2012	<0.0005	
9/26/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/11/2014	<0.0005	
9/8/2014	<0.0005	
4/21/2015	8E-05 (J)	
9/29/2015	<0.0005	
3/22/2016	<0.0005	
5/17/2016	<0.0005	
7/5/2016	<0.0005	
9/7/2016	<0.0005	
10/18/2016	<0.0005	
12/6/2016	<0.0005	
2/1/2017	<0.0005	
3/23/2017	<0.0005	
10/4/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/5/2019		<0.0005
9/30/2019		<0.0005
3/26/2020		<0.0005
9/23/2020		<0.0005
3/8/2021		<0.0005
8/9/2021		<0.0005



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-19	GWC-19
3/6/2007	<0.0005	
5/9/2007	<0.0005	
7/17/2007	<0.0005	
8/28/2007	<0.0005	
11/7/2007	<0.0005	
5/7/2008	<0.0005	
12/4/2008	<0.0005	
4/14/2009	<0.0005	
10/2/2009	<0.0005	
4/13/2010	<0.0005	
10/12/2010	<0.0005	
4/6/2011	<0.0005	
10/12/2011	<0.0005	
4/5/2012	<0.0005	
9/25/2012	<0.0005	
3/13/2013	<0.0005	
9/11/2013	<0.0005	
3/10/2014	<0.0005	
9/9/2014	<0.0005	
4/22/2015	<0.0005	
9/30/2015	<0.0005	
3/24/2016	<0.0005	
5/18/2016	<0.0005	
7/6/2016	<0.0005	
9/8/2016	<0.0005	
10/18/2016	<0.0005	
12/7/2016	<0.0005	
2/2/2017	<0.0005	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/31/2020		<0.0005
9/28/2020		0.0001 (J)
3/10/2021		<0.0005
8/10/2021		<0.0005

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	0.28 (o)	
7/6/2007	0.093	
8/28/2007	0.057	
11/6/2007	0.036	
5/8/2008	0.013	
12/2/2008	0.01	
4/8/2009	0.0076	
10/1/2009	0.0057	
4/13/2010	0.0061	
10/7/2010	0.0039	
4/5/2011	0.0025	
10/4/2011	0.0024	
4/3/2012	0.0008	
9/18/2012	0.002	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/5/2014	0.00037 (J)	
9/8/2014	0.00055 (J)	
4/21/2015	0.00033 (J)	
9/29/2015	0.00046 (J)	
3/23/2016	<0.0005	
5/18/2016	<0.0005	
7/6/2016	0.0002 (J)	
9/7/2016	0.0002 (J)	
10/18/2016	0.0002 (J)	
12/8/2016	0.0003 (J)	
2/2/2017	<0.0005	
3/24/2017	<0.0005	
10/4/2017	0.0001 (J)	
3/15/2018	<0.0005	
10/4/2018	0.0002 (J)	
4/8/2019		5.8E-05 (J)
10/1/2019		0.0001 (J)
3/30/2020		<0.0005
9/24/2020		5E-05 (J)
3/9/2021		<0.0005
8/10/2021		6.1E-05 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/6/2007	<0.0005	
5/8/2007	<0.0005	
7/17/2007	<0.0005	
8/28/2007	<0.0005	
11/6/2007	<0.0005	
5/8/2008	<0.0005	
12/3/2008	<0.0005	
4/7/2009	<0.0005	
10/2/2009	<0.0005	
4/14/2010	<0.0005	
10/14/2010	<0.0005	
4/5/2011	<0.0005	
10/12/2011	<0.0005	
4/4/2012	<0.0005	
9/24/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/11/2014	<0.0005	
9/8/2014	<0.0005	
4/21/2015	<0.0005	
9/29/2015	<0.0005	
3/22/2016	<0.0005	
5/17/2016	<0.0005	
7/6/2016	<0.0005	
9/7/2016	<0.0005	
10/18/2016	<0.0005	
12/6/2016	<0.0005	
2/1/2017	0.0001 (J)	
3/24/2017	<0.0005	
10/4/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/8/2019		<0.0005
9/30/2019		<0.0005
3/26/2020		<0.0005
9/23/2020		<0.0005
3/8/2021		<0.0005
8/9/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/7/2007	<0.0005	
5/8/2007	<0.0005	
7/17/2007	<0.0005	
8/28/2007	<0.0005	
11/7/2007	<0.0005	
5/9/2008	<0.0005	
12/2/2008	<0.0005	
4/8/2009	<0.0005	
10/1/2009	<0.0005	
4/14/2010	<0.0005	
10/13/2010	<0.0005	
4/6/2011	<0.0005	
10/4/2011	<0.0005	
4/10/2012	<0.0005	
9/26/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/4/2014	<0.0005	
9/3/2014	<0.0005	
4/21/2015	<0.0005	
9/30/2015	<0.0005	
3/23/2016	<0.0005	
5/17/2016	<0.0005	
7/6/2016	<0.0005	
9/7/2016	<0.0005	
10/18/2016	<0.0005	
12/6/2016	<0.0005	
2/2/2017	9E-05 (J)	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/27/2020		<0.0005
9/25/2020		<0.0005
3/9/2021		<0.0005
8/10/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.0005	
5/9/2007	<0.0005	
7/17/2007	<0.0005	
8/28/2007	<0.0005	
11/7/2007	<0.0005	
5/7/2008	<0.0005	
12/3/2008	<0.0005	
4/14/2009	<0.0005	
10/1/2009	<0.0005	
4/13/2010	<0.0005	
10/12/2010	<0.0005	
4/6/2011	<0.0005	
10/12/2011	<0.0005	
4/5/2012	<0.0005	
9/19/2012	<0.0005	
3/13/2013	<0.0005	
9/10/2013	<0.0005	
3/10/2014	<0.0005	
9/3/2014	<0.0005	
4/22/2015	<0.0005	
9/30/2015	<0.0005	
3/24/2016	<0.0005	
5/18/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	<0.0005	
10/19/2016	<0.0005	
12/8/2016	<0.0005	
2/2/2017	8E-05 (J)	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/16/2018	<0.0005	
10/5/2018	<0.0005	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/30/2020		<0.0005
9/24/2020		<0.0005
3/9/2021		<0.0005
8/10/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-20	GWC-20
3/7/2007	<0.0005	
5/9/2007	<0.0005	
7/17/2007	<0.0005	
8/29/2007	<0.0005	
11/7/2007	<0.0005	
5/7/2008	<0.0005	
12/5/2008	<0.0005	
4/14/2009	<0.0005	
9/30/2009	<0.0005	
4/13/2010	<0.0005	
10/12/2010	<0.0005	
10/12/2011	<0.0005	
4/9/2012	<0.0005	
9/25/2012	<0.0005	
3/13/2013	<0.0005	
9/11/2013	<0.0005	
3/10/2014	<0.0005	
9/9/2014	<0.0005	
4/23/2015	<0.0005	
9/30/2015	<0.0005	
3/23/2016	<0.0005	
5/18/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	<0.0005	
10/19/2016	<0.0005	
12/7/2016	<0.0005	
2/3/2017	<0.0005	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/16/2018	<0.0005	
10/5/2018	0.00011 (J)	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/31/2020		<0.0005
9/23/2020		<0.0005
3/10/2021		<0.0005
8/10/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/6/2007	<0.0005	
5/9/2007	<0.0005	
7/17/2007	<0.0005	
8/29/2007	<0.0005	
11/7/2007	<0.0005	
5/7/2008	<0.0005	
12/5/2008	<0.0005	
4/27/2009	<0.0005	
9/30/2009	<0.0005	
4/13/2010	<0.0005	
10/12/2010	<0.0005	
10/5/2011	<0.0005	
4/10/2012	<0.0005	
9/26/2012	<0.0005	
3/13/2013	<0.0005	
9/11/2013	<0.0005	
3/11/2014	<0.0005	
9/9/2014	<0.0005	
9/30/2015	<0.0005	
3/24/2016	<0.0005	
5/18/2016	<0.0005	
7/7/2016	0.0001 (J)	
9/8/2016	<0.0005	
10/19/2016	<0.0005	
12/7/2016	<0.0005	
2/2/2017	0.0001 (J)	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/31/2020		<0.0005
9/24/2020		<0.0005
3/9/2021		<0.0005
8/10/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-23	GWC-23
3/6/2007	<0.0005	
5/9/2007	<0.0005	
7/17/2007	<0.0005	
8/29/2007	<0.0005	
11/7/2007	<0.0005	
5/7/2008	<0.0005	
12/5/2008	<0.0005	
4/14/2009	<0.0005	
10/1/2009	<0.0005	
4/14/2010	<0.0005	
10/13/2010	<0.0005	
4/6/2011	<0.0005	
10/12/2011	<0.0005	
4/9/2012	<0.0005	
9/19/2012	<0.0005	
3/13/2013	<0.0005	
9/10/2013	<0.0005	
3/11/2014	<0.0005	
9/3/2014	<0.0005	
4/23/2015	<0.0005	
9/30/2015	<0.0005	
3/23/2016	<0.0005	
5/19/2016	<0.0005	
7/7/2016	<0.0005	
9/8/2016	<0.0005	
10/19/2016	<0.0005	
12/7/2016	<0.0005	
2/3/2017	8E-05 (J)	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/15/2018	<0.0005	
10/5/2018	<0.0005	
4/8/2019		<0.0005
10/1/2019		<0.0005
3/26/2020		<0.0005
9/23/2020		<0.0005
3/9/2021		<0.0005
8/10/2021		<0.0005



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-5	GWC-5
3/7/2007	0.0015	
5/8/2007	<0.0005	
7/6/2007	<0.0005	
8/28/2007	<0.0005	
11/6/2007	<0.0005	
5/8/2008	<0.0005	
12/3/2008	<0.0005	
4/7/2009	<0.0005	
10/1/2009	<0.0005	
4/14/2010	<0.0005	
10/14/2010	<0.0005	
4/5/2011	<0.0005	
10/12/2011	<0.0005	
4/4/2012	<0.0005	
9/24/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/5/2014	<0.0005	
9/9/2014	<0.0005	
4/21/2015	<0.0005	
9/29/2015	<0.0005	
3/23/2016	<0.0005	
5/17/2016	<0.0005	
7/6/2016	<0.0005	
9/7/2016	<0.0005	
10/18/2016	<0.0005	
12/8/2016	<0.0005	
2/1/2017	<0.0005	
3/23/2017	<0.0005	
10/4/2017	<0.0005	
3/16/2018	<0.0005	
10/4/2018	<0.0005	
4/9/2019		<0.0005
10/1/2019		<0.0005
3/31/2020		<0.0005
9/25/2020		<0.0005
3/9/2021		<0.0005
8/10/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
5/9/2007	0.023 (o)	
7/6/2007	0.0081 (o)	
8/28/2007	0.0035	
11/6/2007	0.0028	
5/8/2008	<0.0005	
12/2/2008	<0.0005	
4/8/2009	0.0013	
10/1/2009	<0.0005	
4/13/2010	<0.0005	
10/7/2010	<0.0005	
4/5/2011	<0.0005	
10/4/2011	<0.0005	
4/3/2012	<0.0005	
9/18/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/5/2014	<0.0005	
9/8/2014	<0.0005	
4/21/2015	0.0015	
9/29/2015	<0.0005	
3/23/2016	<0.0005	
5/18/2016	<0.0005	
7/6/2016	<0.0005	
9/7/2016	<0.0005	
10/18/2016	<0.0005	
12/8/2016	<0.0005	
2/2/2017	0.0001 (J)	
3/24/2017	<0.0005	
10/4/2017	<0.0005	
3/15/2018	<0.0005	
10/4/2018	<0.0005	
4/8/2019		<0.0005
10/1/2019		<0.0005
3/30/2020		<0.0005
9/24/2020		<0.0005
3/9/2021		<0.0005
8/10/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.0005	
7/6/2007	<0.0005	
8/28/2007	<0.0005	
11/6/2007	<0.0005	
5/8/2008	<0.0005	
12/2/2008	<0.0005	
4/8/2009	<0.0005	
9/30/2009	<0.0005	
4/13/2010	<0.0005	
10/13/2010	<0.0005	
4/5/2011	<0.0005	
10/4/2011	<0.0005	
4/3/2012	<0.0005	
9/19/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/5/2014	<0.0005	
9/9/2014	<0.0005	
4/22/2015	<0.0005	
9/29/2015	<0.0005	
3/23/2016	<0.0005	
5/18/2016	<0.0005	
7/6/2016	<0.0005	
9/8/2016	<0.0005	
10/18/2016	<0.0005	
12/8/2016	<0.0005	
2/2/2017	8E-05 (J)	
3/24/2017	<0.0005	
10/5/2017	<0.0005	
3/14/2018	<0.0005	
10/4/2018	<0.0005	
4/8/2019		<0.0005
10/1/2019		<0.0005
3/27/2020		<0.0005
9/24/2020		<0.0005
3/9/2021		<0.0005
8/10/2021		<0.0005

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.0005	
5/8/2007	<0.0005	
7/6/2007	<0.0005	
8/28/2007	<0.0005	
11/6/2007	<0.0005	
5/8/2008	<0.0005	
12/2/2008	<0.0005	
4/8/2009	<0.0005	
9/30/2009	<0.0005	
4/13/2010	<0.0005	
10/13/2010	<0.0005	
4/5/2011	<0.0005	
10/4/2011	<0.0005	
4/4/2012	<0.0005	
9/19/2012	<0.0005	
3/12/2013	<0.0005	
9/10/2013	<0.0005	
3/5/2014	<0.0005	
9/3/2014	<0.0005	
4/21/2015	0.00029 (J)	
9/29/2015	<0.0005	
3/23/2016	<0.0005	
5/18/2016	<0.0005	
7/6/2016	<0.0005	
9/8/2016	<0.0005	
10/19/2016	<0.0005	
12/8/2016	<0.0005	
2/2/2017	8E-05 (J)	
3/27/2017	<0.0005	
10/5/2017	<0.0005	
3/15/2018	<0.0005	
10/5/2018	<0.0005	
4/8/2019		<0.0005
10/1/2019		<0.0005
3/27/2020		<0.0005
9/24/2020		<0.0005
3/9/2021		<0.0005
8/10/2021		<0.0005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/10/2011	<0.005	
4/3/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/11/2013	<0.005	
3/4/2014	0.00032 (J)	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
1/31/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/14/2018	0.016	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		<0.005
9/23/2020		<0.005
3/8/2021		<0.005
8/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-11	GWA-11
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	0.0013	
11/7/2007	0.0024	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	0.0018 (J)	
2/1/2017	<0.005	
3/24/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		<0.005
9/22/2020		<0.005
3/8/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-2	GWA-2
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/6/2011	<0.005	
10/6/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/7/2016	<0.005	
1/31/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		0.00043 (J)
9/21/2020		<0.005
3/9/2021		<0.005
8/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	0.0014	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/5/2019		<0.005
9/30/2019		<0.005
3/26/2020		0.00062 (J)
9/23/2020		<0.005
3/8/2021		<0.005
8/9/2021		<0.005



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/24/2017	0.0004 (J)	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		0.0013 (J)
9/23/2020		<0.005
3/8/2021		<0.005
8/9/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	0.00424 (J)	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	0.0013 (J)	
2/2/2017	0.001 (J)	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/27/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/3/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/10/2014	<0.005	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00086 (J)
3/30/2020		0.00071 (J)
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/4/2008	<0.005	
4/14/2009	<0.005	
10/2/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	<0.005	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/18/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	0.0012 (J)	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		0.00042 (J)
9/28/2020		0.00063 (J)
3/10/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	0.0016	
11/7/2007	0.0016	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	<0.005	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	0.0064 (J)	
12/7/2016	<0.005	
2/3/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/23/2020		<0.005
3/10/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/27/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/5/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	0.0015	
9/30/2015	<0.005	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		0.00093 (J)
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.005	
5/9/2007	0.002	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	0.0013	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/5/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		0.0023 (J)
10/1/2019		<0.005
3/31/2020		0.0015 (J)
9/23/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.005	
5/9/2007	0.0013	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/3/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/3/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		<0.005
10/1/2019		0.0051 (J)
3/26/2020		<0.005
9/23/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/9/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.0012 (J)
3/31/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/6/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/5/2014	<0.005	
9/8/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
10/1/2019		<0.005
3/31/2020		0.00085 (J)
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
5/9/2007	0.11 (o)	
7/6/2007	0.0029	
8/28/2007	0.0038	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	0.0016	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	0.0018	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/24/2017	0.0011 (J)	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
10/1/2019		<0.005
3/30/2020		0.00041 (J)
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	0.0035	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	0.0017	
3/5/2014	<0.005	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/24/2017	<0.005	
10/5/2017	0.0005 (J)	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
10/1/2019		0.0005 (J)
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/7/2007	<0.005	
5/8/2007	0.0013	
7/6/2007	<0.005	
8/28/2007	0.0014	
11/6/2007	0.0024	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		<0.005
10/1/2019		<0.005
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/10/2011	<0.005	
4/3/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/11/2013	<0.005	
3/4/2014	0.00043 (J)	
9/3/2014	0.00076 (J)	
4/21/2015	0.00051 (J)	
9/30/2015	0.0006 (J)	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	0.0004 (J)	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	0.0006 (J)	
1/31/2017	0.0006 (J)	
3/23/2017	0.0007 (J)	
10/4/2017	0.0006 (J)	
3/14/2018	<0.005	
10/4/2018	0.00058 (J)	
4/8/2019		0.00026 (J)
9/30/2019		0.00042 (J)
3/26/2020		0.00049 (J)
9/23/2020		0.00051 (J)
3/8/2021		0.0005 (J)
8/9/2021		<0.005

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.01	
5/8/2007	<0.01	
7/17/2007	<0.01	
8/28/2007	<0.01	
11/7/2007	<0.01	
5/9/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/4/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/4/2014	0.00047 (J)	
9/3/2014	0.00065 (J)	
4/21/2015	0.00062 (J)	
9/29/2015	0.0009 (J)	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	0.0009 (J)	
9/7/2016	0.0011 (J)	
10/18/2016	0.0011 (J)	
12/6/2016	0.0011 (J)	
2/1/2017	0.0011 (J)	
3/24/2017	0.0008 (J)	
10/5/2017	0.0008 (J)	
3/15/2018	<0.01	
10/4/2018	0.00072 (J)	
4/8/2019		0.00076 (J)
9/30/2019		0.00054 (J)
3/26/2020		0.00063 (J)
9/22/2020		0.00049 (J)
3/8/2021		0.00049 (J)
8/10/2021		0.00047 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/6/2011	<0.005	
10/6/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/7/2016	<0.005	
1/31/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		6.1E-05 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/21/2020		<0.005
3/9/2021		<0.005
8/9/2021		<0.005



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/5/2016	0.0003 (J)	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	0.0007 (J)	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/5/2019		0.00031 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/23/2020		<0.005
3/8/2021		<0.005
8/9/2021		0.00042 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	0.0016	
3/12/2013	<0.005	
9/10/2013	0.002	
3/11/2014	<0.005	
9/8/2014	0.001 (J)	
4/21/2015	<0.005	
9/29/2015	0.0025 (J)	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	0.0004 (J)	
9/7/2016	0.0008 (J)	
10/18/2016	<0.005	
12/6/2016	0.0026 (J)	
2/1/2017	0.0013 (J)	
3/24/2017	0.0014 (J)	
10/4/2017	0.0012 (J)	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00044 (J)
9/30/2019		0.00079 (J)
3/26/2020		0.00082 (J)
9/23/2020		<0.005
3/8/2021		0.00061 (J)
8/9/2021		<0.005

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/27/2020		0.00082 (J)
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/27/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/12/2010	<0.01	
10/5/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	0.0033	
3/13/2013	<0.01	
9/11/2013	0.0018	
3/11/2014	0.00029 (J)	
9/9/2014	0.0011 (J)	
9/30/2015	<0.01	
3/24/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	0.0016 (J)	
9/8/2016	0.0006 (J)	
10/19/2016	0.0006 (J)	
12/7/2016	0.0006 (J)	
2/2/2017	<0.01	
3/27/2017	0.001 (J)	
10/5/2017	0.0051 (J)	
3/15/2018	<0.01	
10/4/2018	0.0065 (J)	
4/9/2019		0.0023 (J)
10/1/2019		0.00046 (J)
3/31/2020		0.0019 (J)
9/24/2020		0.00068 (J)
3/9/2021		0.00049 (J)
8/10/2021		0.0041 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/3/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/3/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	0.00058 (J)	
4/8/2019		0.00046 (J)
10/1/2019		0.00033 (J)
3/26/2020		0.00035 (J)
9/23/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/9/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	0.0007 (J)	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/25/2020		0.00057 (J)
3/9/2021		0.00043 (J)
8/10/2021		0.00098 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/6/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/5/2014	<0.005	
9/8/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00022 (J)
10/1/2019		<0.005
3/31/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
5/9/2007	6.5 (o)	
7/6/2007	2.1 (o)	
8/28/2007	1.4 (o)	
11/6/2007	1.1 (o)	
5/8/2008	0.75	
12/2/2008	0.41	
4/8/2009	0.38	
10/1/2009	0.29	
4/13/2010	0.26	
10/7/2010	0.24	
4/5/2011	0.17	
10/4/2011	0.19	
4/3/2012	0.114	
9/18/2012	0.14	
3/12/2013	0.041	
9/10/2013	0.06	
3/5/2014	0.049	
9/8/2014	0.068	
4/21/2015	0.043	
9/29/2015	0.0525	
3/23/2016	0.0172	
5/18/2016	0.021	
7/6/2016	0.0278	
9/7/2016	0.0334	
10/18/2016	0.0368	
12/8/2016	0.0419	
2/2/2017	0.0113	
3/24/2017	0.0094 (J)	
10/4/2017	0.0237	
3/15/2018	0.014	
10/4/2018	0.024	
4/8/2019		0.0086 (J)
10/1/2019		0.017
3/30/2020		0.012
9/24/2020		0.01
3/9/2021		0.0093
8/10/2021		0.013



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/13/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	<0.01	
9/9/2014	<0.01	
4/22/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
5/18/2016	<0.01	
7/6/2016	<0.01	
9/8/2016	<0.01	
10/18/2016	<0.01	
12/8/2016	<0.01	
2/2/2017	<0.01	
3/24/2017	<0.01	
10/5/2017	0.0003 (J)	
3/14/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		0.0017 (J)
10/1/2019		0.00081 (J)
3/27/2020		0.0016 (J)
9/24/2020		0.0011 (J)
3/9/2021		0.0013 (J)
8/10/2021		0.004 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	0.0004 (J)	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	0.0004 (J)	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		0.00041 (J)
10/1/2019		0.00041 (J)
3/27/2020		0.00063 (J)
9/24/2020		<0.005
3/9/2021		0.00042 (J)
8/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	0.0032	
11/7/2007	0.0036	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/24/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.0013 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/22/2020		<0.005
3/8/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-2	GWA-2
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	0.0032	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/6/2011	<0.005	
10/6/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	0.0011 (J)	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00029 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/21/2020		<0.005
3/9/2021		<0.005
8/9/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	0.0028	
8/28/2007	0.0039	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/5/2019		<0.005
9/30/2019		<0.005
3/26/2020		0.00022 (J)
9/23/2020		<0.005
3/8/2021		<0.005
8/9/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	0.0061	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	0.0066	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/24/2017	<0.005	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		<0.005
9/23/2020		<0.005
3/8/2021		<0.005
8/9/2021		0.00051 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/7/2007	0.0025	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/27/2020		0.00022 (J)
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	0.0029	
5/7/2008	<0.005	
12/3/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/10/2014	<0.005	
9/3/2014	0.00099 (J)	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00037 (J)
3/30/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	0.0035	
5/7/2008	<0.005	
12/4/2008	<0.005	
4/14/2009	<0.005	
10/2/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	<0.005	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	0.0004 (J)	
10/5/2017	0.0005 (J)	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		0.0014 (J)
10/1/2019		0.00019 (J)
3/31/2020		<0.005
9/28/2020		<0.005
3/10/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-20	GWC-20
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	0.0028	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	<0.005	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00023 (J)
3/31/2020		<0.005
9/23/2020		<0.005
3/10/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	0.0029	
5/7/2008	0.0026	
12/5/2008	<0.005	
4/27/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/5/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	0.0013 (J)	
9/30/2015	0.0008 (J)	
3/24/2016	<0.005	
9/8/2016	0.0006 (J)	
3/27/2017	0.0005 (J)	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00084 (J)
3/31/2020		0.00082 (J)
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	0.0033	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/5/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00031 (J)
3/31/2020		0.0002 (J)
9/23/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-23	GWC-23
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	0.0084	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/3/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	0.0012 (J)	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	0.0003 (J)	
3/15/2018	0.0016 (J)	
10/5/2018	<0.005	
4/8/2019		0.0005 (J)
10/1/2019		0.00083 (J)
3/26/2020		0.00067 (J)
9/23/2020		<0.005
3/9/2021		<0.005
8/10/2021		0.00078 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	0.0027	
5/8/2007	0.0026	
7/6/2007	<0.005	
8/28/2007	0.0036	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/9/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.00031 (J)
3/31/2020		0.00019 (J)
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/6/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/5/2014	<0.005	
9/8/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
10/1/2019		0.00023 (J)
3/31/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
5/9/2007	0.44 (o)	
7/6/2007	0.016	
8/28/2007	0.0091	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	0.003	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	0.00082 (J)	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/24/2017	0.0007 (J)	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00025 (J)
10/1/2019		0.00034 (J)
3/30/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/24/2017	<0.005	
10/5/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
10/1/2019		0.00036 (J)
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/7/2007	0.0043	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		<0.005
10/1/2019		<0.005
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		0.0018 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.001	
5/8/2007	<0.001	
7/17/2007	<0.001	
8/28/2007	<0.001	
11/7/2007	<0.001	
5/9/2008	<0.001	
12/2/2008	<0.001	
4/8/2009	<0.001	
10/1/2009	<0.001	
4/14/2010	<0.001	
10/13/2010	<0.001	
4/6/2011	<0.001	
10/4/2011	<0.001	
4/10/2012	<0.001	
9/26/2012	<0.001	
3/12/2013	<0.001	
9/10/2013	<0.001	
3/4/2014	<0.001	
9/3/2014	<0.001	
4/21/2015	<0.001	
9/29/2015	<0.001	
3/22/2016	<0.001	
5/17/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/6/2016	<0.001	
2/1/2017	<0.001	
3/24/2017	7E-05 (J)	
10/5/2017	<0.001	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/8/2019		<0.001
9/30/2019		<0.001
3/26/2020		<0.001
9/22/2020		<0.001
3/8/2021		<0.001
8/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/6/2007	<0.001	
5/8/2007	<0.001	
7/17/2007	<0.001	
8/28/2007	<0.001	
11/6/2007	<0.001	
5/8/2008	<0.001	
12/3/2008	<0.001	
4/7/2009	<0.001	
10/2/2009	<0.001	
4/14/2010	<0.001	
10/14/2010	<0.001	
4/5/2011	<0.001	
10/12/2011	<0.001	
4/4/2012	<0.001	
9/26/2012	<0.001	
3/12/2013	<0.001	
9/10/2013	<0.001	
3/11/2014	<0.001	
9/8/2014	<0.001	
4/21/2015	<0.001	
9/29/2015	<0.001	
3/22/2016	<0.001	
5/17/2016	<0.001	
7/5/2016	<0.001	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/6/2016	<0.001	
2/1/2017	<0.001	
3/23/2017	<0.001	
10/4/2017	<0.001	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/5/2019		<0.001
9/30/2019		<0.001
3/26/2020		4.7E-05 (J)
9/23/2020		<0.001
3/8/2021		4E-05 (J)
8/9/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.001	
5/8/2007	<0.001	
7/17/2007	<0.001	
8/28/2007	<0.001	
11/7/2007	<0.001	
5/9/2008	<0.001	
12/2/2008	<0.001	
4/8/2009	<0.001	
10/1/2009	<0.001	
4/14/2010	<0.001	
10/13/2010	<0.001	
4/6/2011	<0.001	
10/4/2011	<0.001	
4/10/2012	<0.001	
9/26/2012	<0.001	
3/12/2013	<0.001	
9/10/2013	<0.001	
3/4/2014	<0.001	
9/3/2014	<0.001	
4/21/2015	<0.001	
9/30/2015	<0.001	
3/23/2016	<0.001	
5/17/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/6/2016	<0.001	
2/2/2017	<0.001	
3/27/2017	<0.001	
10/5/2017	<0.001	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/9/2019		<0.001
10/1/2019		<0.001
3/27/2020		5.4E-05 (J)
9/25/2020		<0.001
3/9/2021		<0.001
8/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.001	
5/9/2007	<0.001	
7/17/2007	<0.001	
8/28/2007	<0.001	
11/7/2007	<0.001	
5/7/2008	<0.001	
12/3/2008	<0.001	
4/14/2009	<0.001	
10/1/2009	<0.001	
4/13/2010	<0.001	
10/12/2010	<0.001	
4/6/2011	<0.001	
10/12/2011	<0.001	
4/5/2012	<0.001	
9/19/2012	<0.001	
3/13/2013	<0.001	
9/10/2013	<0.001	
3/10/2014	<0.001	
9/3/2014	<0.001	
4/22/2015	<0.001	
9/30/2015	<0.001	
3/24/2016	<0.001	
5/18/2016	<0.001	
7/7/2016	<0.001	
9/8/2016	<0.001	
10/19/2016	<0.001	
12/8/2016	<0.001	
2/2/2017	<0.001	
3/27/2017	<0.001	
10/5/2017	<0.001	
3/16/2018	<0.001	
10/5/2018	<0.001	
4/9/2019		<0.001
10/1/2019		<0.001
3/30/2020		<0.001
9/24/2020		4E-05 (J)
3/9/2021		<0.001
8/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.001	
5/9/2007	<0.001	
7/17/2007	<0.001	
8/28/2007	<0.001	
11/7/2007	<0.001	
5/7/2008	<0.001	
12/4/2008	<0.001	
4/14/2009	<0.001	
10/2/2009	<0.001	
4/13/2010	<0.001	
10/12/2010	<0.001	
4/6/2011	<0.001	
10/12/2011	<0.001	
4/5/2012	<0.001	
9/25/2012	<0.001	
3/13/2013	<0.001	
9/11/2013	<0.001	
3/10/2014	<0.001	
9/9/2014	<0.001	
4/22/2015	<0.001	
9/30/2015	<0.001	
3/24/2016	<0.001	
5/18/2016	<0.001	
7/6/2016	<0.001	
9/8/2016	<0.001	
10/18/2016	<0.001	
12/7/2016	<0.001	
2/2/2017	<0.001	
3/27/2017	<0.001	
10/5/2017	0.0002 (J)	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/9/2019		<0.001
10/1/2019		<0.001
3/31/2020		6.1E-05 (J)
9/28/2020		0.00014 (J)
3/10/2021		<0.001
8/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.001	
5/9/2007	<0.001	
7/17/2007	<0.001	
8/29/2007	<0.001	
11/7/2007	<0.001	
5/7/2008	<0.001	
12/5/2008	<0.001	
4/14/2009	<0.001	
9/30/2009	<0.001	
4/13/2010	<0.001	
10/12/2010	<0.001	
10/12/2011	<0.001	
4/9/2012	<0.001	
9/25/2012	<0.001	
3/13/2013	<0.001	
9/11/2013	<0.001	
3/10/2014	<0.001	
9/9/2014	<0.001	
4/23/2015	<0.001	
9/30/2015	<0.001	
3/23/2016	<0.001	
5/18/2016	<0.001	
7/7/2016	<0.001	
9/8/2016	<0.001	
10/19/2016	<0.001	
12/7/2016	<0.001	
2/3/2017	<0.001	
3/27/2017	7E-05 (J)	
10/5/2017	<0.001	
3/16/2018	<0.001	
10/5/2018	<0.001	
4/9/2019		<0.001
10/1/2019		<0.001
3/31/2020		<0.001
9/23/2020		<0.001
3/10/2021		<0.001
8/10/2021		<0.001



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.001	
5/9/2007	<0.001	
7/17/2007	<0.001	
8/29/2007	<0.001	
11/7/2007	<0.001	
5/7/2008	<0.001	
12/5/2008	<0.001	
4/27/2009	<0.001	
9/30/2009	<0.001	
4/13/2010	<0.001	
10/12/2010	<0.001	
10/5/2011	<0.001	
4/10/2012	<0.001	
9/26/2012	<0.001	
3/13/2013	<0.001	
9/11/2013	<0.001	
3/11/2014	<0.001	
9/9/2014	<0.001	
9/30/2015	<0.001	
3/24/2016	<0.001	
5/18/2016	<0.001	
7/7/2016	<0.001	
9/8/2016	<0.001	
10/19/2016	<0.001	
12/7/2016	0.0001 (J)	
2/2/2017	<0.001	
3/27/2017	<0.001	
10/5/2017	<0.001	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/9/2019		<0.001
10/1/2019		7.5E-05 (J)
3/31/2020		<0.001
9/24/2020		0.00012 (J)
3/9/2021		0.00013 (J)
8/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.001	
5/9/2007	<0.001	
7/17/2007	<0.001	
8/29/2007	<0.001	
11/7/2007	<0.001	
5/7/2008	<0.001	
12/5/2008	<0.001	
4/14/2009	<0.001	
9/30/2009	<0.001	
4/13/2010	<0.001	
10/12/2010	<0.001	
4/6/2011	<0.001	
10/5/2011	<0.001	
4/9/2012	<0.001	
9/25/2012	<0.001	
3/13/2013	<0.001	
9/11/2013	<0.001	
3/11/2014	<0.001	
9/9/2014	<0.001	
4/23/2015	<0.001	
9/30/2015	<0.001	
3/23/2016	<0.001	
5/18/2016	<0.001	
7/7/2016	<0.001	
9/8/2016	<0.001	
10/19/2016	<0.001	
12/7/2016	<0.001	
2/2/2017	<0.001	
3/27/2017	<0.001	
10/5/2017	<0.001	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/9/2019		<0.001
10/1/2019		0.00012 (J)
3/31/2020		0.00013 (J)
9/23/2020		6.6E-05 (J)
3/9/2021		3.8E-05 (J)
8/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.001	
5/9/2007	<0.001	
7/17/2007	<0.001	
8/29/2007	<0.001	
11/7/2007	<0.001	
5/7/2008	<0.001	
12/5/2008	<0.001	
4/14/2009	<0.001	
10/1/2009	<0.001	
4/14/2010	<0.001	
10/13/2010	<0.001	
4/6/2011	<0.001	
10/12/2011	<0.001	
4/9/2012	<0.001	
9/19/2012	<0.001	
3/13/2013	<0.001	
9/10/2013	<0.001	
3/11/2014	<0.001	
9/3/2014	<0.001	
4/23/2015	<0.001	
9/30/2015	<0.001	
3/23/2016	<0.001	
5/19/2016	<0.001	
7/7/2016	<0.001	
9/8/2016	<0.001	
10/19/2016	<0.001	
12/7/2016	<0.001	
2/3/2017	<0.001	
3/27/2017	<0.001	
10/5/2017	<0.001	
3/15/2018	<0.001	
10/5/2018	0.00042 (J)	
4/8/2019		0.00018 (J)
10/1/2019		0.00022 (J)
3/26/2020		0.00016 (J)
9/23/2020		0.00036 (J)
3/9/2021		0.00011 (J)
8/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.001	
5/8/2007	<0.001	
7/6/2007	<0.001	
8/28/2007	<0.001	
11/6/2007	<0.001	
5/8/2008	<0.001	
12/3/2008	<0.001	
4/7/2009	<0.001	
10/1/2009	<0.001	
4/14/2010	<0.001	
10/14/2010	<0.001	
4/5/2011	<0.001	
10/12/2011	<0.001	
4/4/2012	<0.001	
9/24/2012	<0.001	
3/12/2013	<0.001	
9/10/2013	<0.001	
3/5/2014	<0.001	
9/9/2014	<0.001	
4/21/2015	<0.001	
9/29/2015	<0.001	
3/23/2016	<0.001	
5/17/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/8/2016	<0.001	
2/1/2017	<0.001	
3/23/2017	<0.001	
10/4/2017	<0.001	
3/16/2018	<0.001	
10/4/2018	<0.001	
4/9/2019		0.00039 (J)
10/1/2019		6.5E-05 (J)
3/31/2020		<0.001
9/25/2020		<0.001
3/9/2021		<0.001
8/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/7/2007	<0.001	
5/9/2007	<0.001	
7/17/2007	<0.001	
8/28/2007	<0.001	
11/6/2007	<0.001	
5/8/2008	<0.001	
12/3/2008	<0.001	
4/7/2009	<0.001	
10/1/2009	<0.001	
4/13/2010	<0.001	
10/6/2010	<0.001	
4/5/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
9/18/2012	<0.001	
3/12/2013	<0.001	
9/9/2013	<0.001	
3/5/2014	<0.001	
9/8/2014	<0.001	
4/22/2015	<0.001	
9/29/2015	<0.001	
3/23/2016	<0.001	
5/17/2016	<0.001	
7/6/2016	<0.001	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/8/2016	0.0001 (J)	
2/1/2017	<0.001	
3/23/2017	<0.001	
10/4/2017	<0.001	
3/16/2018	<0.001	
10/4/2018	<0.001	
4/8/2019		<0.001
10/1/2019		<0.001
3/31/2020		<0.001
9/25/2020		<0.001
3/9/2021		<0.001
8/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
5/9/2007	<0.001	
7/6/2007	<0.001	
8/28/2007	<0.001	
11/6/2007	<0.001	
5/8/2008	<0.001	
12/2/2008	<0.001	
4/8/2009	<0.001	
10/1/2009	<0.001	
4/13/2010	<0.001	
10/7/2010	<0.001	
4/5/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
9/18/2012	<0.001	
3/12/2013	<0.001	
9/10/2013	<0.001	
3/5/2014	0.0016 (J)	
9/8/2014	<0.001	
4/21/2015	<0.001	
9/29/2015	<0.001	
3/23/2016	<0.001	
5/18/2016	<0.001	
7/6/2016	0.0001 (J)	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/8/2016	<0.001	
2/2/2017	0.0003 (J)	
3/24/2017	0.0002 (J)	
10/4/2017	7E-05 (J)	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/8/2019		<0.001
10/1/2019		5E-05 (J)
3/30/2020		4.8E-05 (J)
9/24/2020		6E-05 (J)
3/9/2021		8.5E-05 (J)
8/10/2021		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.001	
7/6/2007	<0.001	
8/28/2007	<0.001	
11/6/2007	<0.001	
5/8/2008	<0.001	
12/2/2008	<0.001	
4/8/2009	<0.001	
9/30/2009	<0.001	
4/13/2010	<0.001	
10/13/2010	<0.001	
4/5/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
9/19/2012	<0.001	
3/12/2013	<0.001	
9/10/2013	<0.001	
3/5/2014	<0.001	
9/9/2014	<0.001	
4/22/2015	<0.001	
9/29/2015	<0.001	
3/23/2016	<0.001	
5/18/2016	<0.001	
7/6/2016	<0.001	
9/8/2016	<0.001	
10/18/2016	<0.001	
12/8/2016	0.0002 (J)	
2/2/2017	<0.001	
3/24/2017	<0.001	
10/5/2017	<0.001	
3/14/2018	<0.001	
10/4/2018	<0.001	
4/8/2019		<0.001
10/1/2019		<0.001
3/27/2020		<0.001
9/24/2020		4.9E-05 (J)
3/9/2021		<0.001
8/10/2021		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/10/2011	<0.005	
4/3/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/11/2013	<0.005	
3/4/2014	0.001 (J)	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	0.0008 (J)	
3/23/2017	0.0007 (J)	
10/4/2017	0.0006 (J)	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00034 (J)
9/30/2019		0.00037 (J)
3/26/2020		0.00065 (J)
9/23/2020		<0.005
3/8/2021		<0.005
8/9/2021		<0.005



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.01	
5/8/2007	<0.01	
7/17/2007	<0.01	
8/28/2007	<0.01	
11/7/2007	<0.01	
5/9/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/4/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/4/2014	0.002 (J)	
9/3/2014	0.002 (J)	
4/21/2015	0.002 (J)	
9/29/2015	0.0022 (J)	
3/22/2016	<0.01	
9/7/2016	0.0026 (J)	
3/24/2017	0.0024 (J)	
10/5/2017	0.0023 (J)	
3/15/2018	0.0026 (J)	
10/4/2018	0.0023 (J)	
4/8/2019		0.0023 (J)
9/30/2019		0.0017 (J)
3/26/2020		0.002 (J)
9/22/2020		0.0014 (J)
3/8/2021		0.001 (J)
8/10/2021		0.0017 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-2	GWA-2
3/6/2007	<0.005	
5/8/2007	<0.005	
7/7/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/9/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/7/2010	<0.005	
4/6/2011	<0.005	
10/6/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/4/2014	0.0007 (J)	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		<0.005
9/30/2019		<0.005
3/26/2020		<0.005
9/21/2020		<0.005
3/9/2021		<0.005
8/9/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	0.0013 (J)	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	0.0022 (J)	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/5/2019		0.00075 (J)
9/30/2019		<0.005
3/26/2020		0.0011 (J)
9/23/2020		<0.005
3/8/2021		<0.005
8/9/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	0.0032	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	0.0032	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	0.0026	
9/8/2014	0.0017 (J)	
4/21/2015	0.0016 (J)	
9/29/2015	0.0055	
3/22/2016	<0.005	
9/7/2016	0.0014 (J)	
3/24/2017	0.0017 (J)	
10/4/2017	0.0023 (J)	
3/15/2018	0.0024 (J)	
10/4/2018	0.0013 (J)	
4/8/2019		0.00089 (J)
9/30/2019		0.0013 (J)
3/26/2020		0.00096 (J)
9/23/2020		0.00091 (J)
3/8/2021		<0.005
8/9/2021		0.001 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	<0.005	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/27/2020		0.0023 (J)
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/3/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/10/2014	0.0013 (J)	
9/3/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
9/8/2016	0.0009 (J)	
3/27/2017	0.0006 (J)	
10/5/2017	0.0008 (J)	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.0015 (J)
3/30/2020		0.00048 (J)
9/24/2020		0.0011 (J)
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/4/2008	<0.005	
4/14/2009	<0.005	
10/2/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/5/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	0.00072 (J)	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	0.0062 (J)	
10/5/2017	0.0005 (J)	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/28/2020		<0.005
3/10/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-20	GWC-20
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/10/2014	0.00074 (J)	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	0.0006 (J)	
10/5/2017	<0.005	
3/16/2018	<0.005	
10/5/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/23/2020		<0.005
3/10/2021		<0.005
8/10/2021		<0.005



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	0.0055	
11/7/2007	0.0044	
5/7/2008	0.0047	
12/5/2008	<0.005	
4/27/2009	0.0027	
9/30/2009	0.0051	
4/13/2010	0.0031	
10/12/2010	<0.005	
10/5/2011	0.0032	
4/10/2012	<0.005	
9/26/2012	0.0063	
3/13/2013	0.0029	
9/11/2013	0.0046	
3/11/2014	0.002 (J)	
9/9/2014	0.0029	
9/30/2015	0.0025 (J)	
3/24/2016	0.00317 (J)	
9/8/2016	0.0038 (J)	
3/27/2017	0.0024 (J)	
10/5/2017	0.0104	
3/15/2018	0.0026 (J)	
10/4/2018	0.012	
12/11/2018	0.0052 (J)	
4/9/2019		0.0048 (J)
10/1/2019		0.0031 (J)
3/31/2020		0.0039 (J)
9/24/2020		0.0068
3/9/2021		0.0013 (J)
8/10/2021		0.0076

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/5/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	0.00059 (J)	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/23/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/12/2011	<0.005	
4/9/2012	<0.005	
9/19/2012	<0.005	
3/13/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	0.0016 (J)	
9/3/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	0.0011 (J)	
3/27/2017	0.0007 (J)	
10/5/2017	<0.005	
3/15/2018	0.001 (J)	
10/5/2018	0.0014 (J)	
4/8/2019		0.0011 (J)
10/1/2019		0.0035 (J)
3/26/2020		0.001 (J)
9/23/2020		0.00079 (J)
3/9/2021		<0.005
8/10/2021		0.0008 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.001 (J)	
9/9/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	0.0008 (J)	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		0.00098 (J)
10/1/2019		0.00088 (J)
3/31/2020		0.0013 (J)
9/25/2020		0.00078 (J)
3/9/2021		<0.005
8/10/2021		0.00085 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/7/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/1/2009	<0.005	
4/13/2010	<0.005	
10/6/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/18/2012	<0.005	
3/12/2013	<0.005	
9/9/2013	<0.005	
3/5/2014	0.00092 (J)	
9/8/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/7/2016	<0.005	
3/23/2017	<0.005	
10/4/2017	<0.005	
3/16/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00032 (J)
10/1/2019		0.00042 (J)
3/31/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
5/9/2007	18 (o)	
7/6/2007	5.9 (o)	
8/28/2007	3.9	
11/6/2007	3.1	
5/8/2008	2.1	
12/2/2008	1.2	
4/8/2009	1.1	
10/1/2009	0.88	
4/13/2010	0.82	
10/7/2010	0.72	
4/5/2011	0.52	
10/4/2011	0.56	
4/3/2012	0.365	
9/18/2012	0.45	
3/12/2013	0.13	
9/10/2013	0.2	
3/5/2014	0.17	
9/8/2014	0.25	
4/21/2015	0.15	
9/29/2015	0.203	
3/23/2016	0.0607	
9/7/2016	0.141	
3/24/2017	0.0313	
10/4/2017	0.093	
3/15/2018	0.057	
10/4/2018	0.11	
4/8/2019		0.03
10/1/2019		0.07
3/30/2020		0.037
9/24/2020		0.042
3/9/2021		0.035
8/10/2021		0.057

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.00079 (J)	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/24/2017	<0.005	
10/5/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00064 (J)
10/1/2019		0.00063 (J)
3/27/2020		0.00053 (J)
9/24/2020		0.001 (J)
3/9/2021		<0.005
8/10/2021		0.0073

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/7/2007	<0.01	
5/8/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/13/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	0.003	
3/5/2014	0.0022 (J)	
9/3/2014	<0.01	
4/21/2015	0.0019 (J)	
9/29/2015	0.0019 (J)	
3/23/2016	<0.01	
9/8/2016	0.0023 (J)	
3/27/2017	0.0023 (J)	
10/5/2017	0.0024 (J)	
3/15/2018	0.0023 (J)	
10/5/2018	0.0025 (J)	
4/8/2019		0.0021 (J)
10/1/2019		0.0022 (J)
3/27/2020		0.0022 (J)
9/24/2020		0.0024 (J)
3/9/2021		0.0014 (J)
8/10/2021		0.0019 (J)



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/6/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/3/2008	<0.005	
4/7/2009	<0.005	
10/2/2009	<0.005	
4/14/2010	<0.005	
10/14/2010	<0.005	
4/5/2011	<0.005	
10/12/2011	<0.005	
4/4/2012	<0.005	
9/24/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/11/2014	<0.005	
9/8/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/22/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/1/2017	<0.005	
3/24/2017	<0.005	
10/4/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00014 (J)
9/30/2019		<0.005
3/26/2020		<0.005
9/23/2020		<0.005
3/8/2021		<0.005
8/9/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/7/2007	<0.005	
5/8/2007	<0.005	
7/17/2007	<0.005	
8/28/2007	<0.005	
11/7/2007	<0.005	
5/9/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
10/1/2009	<0.005	
4/14/2010	<0.005	
10/13/2010	<0.005	
4/6/2011	<0.005	
10/4/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/4/2014	0.0016 (J)	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/17/2016	<0.005	
7/6/2016	<0.005	
9/7/2016	<0.005	
10/18/2016	<0.005	
12/6/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/27/2020		<0.005
9/25/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/27/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/5/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	0.0024 (J)	
9/9/2014	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	0.0017 (J)	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/14/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
4/6/2011	<0.005	
10/5/2011	<0.005	
4/9/2012	<0.005	
9/25/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	0.0017 (J)	
9/9/2014	<0.005	
4/23/2015	<0.005	
9/30/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/7/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/7/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		0.0014 (J)
3/31/2020		<0.005
9/23/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/7/2007	<0.005	
5/8/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/4/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.0018 (J)	
9/3/2014	<0.005	
4/21/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/19/2016	<0.005	
12/8/2016	<0.005	
2/2/2017	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/5/2018	<0.005	
4/8/2019		<0.005
10/1/2019		<0.005
3/27/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/6/2007	<0.005	
5/9/2007	<0.005	
7/17/2007	<0.005	
8/29/2007	<0.005	
11/7/2007	<0.005	
5/7/2008	<0.005	
12/5/2008	<0.005	
4/27/2009	0.0036	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/12/2010	<0.005	
10/5/2011	<0.005	
4/10/2012	<0.005	
9/26/2012	<0.005	
3/13/2013	<0.005	
9/11/2013	<0.005	
3/11/2014	<0.005	
9/9/2014	<0.005	
9/30/2015	<0.005	
3/24/2016	<0.005	
9/8/2016	<0.005	
3/27/2017	<0.005	
10/5/2017	<0.005	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		<0.005
9/24/2020		<0.005
3/9/2021		<0.005
8/10/2021		<0.005

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
5/9/2007	<0.001	
7/6/2007	<0.001	
8/28/2007	<0.001	
11/6/2007	<0.001	
5/8/2008	<0.001	
12/2/2008	<0.001	
4/8/2009	<0.001	
10/1/2009	<0.001	
4/13/2010	<0.001	
10/7/2010	<0.001	
4/5/2011	<0.001	
10/4/2011	<0.001	
4/3/2012	<0.001	
9/18/2012	<0.001	
3/12/2013	<0.001	
3/5/2014	<0.001	
9/8/2014	<0.001	
4/21/2015	<0.001	
9/29/2015	<0.001	
3/23/2016	<0.001	
5/18/2016	<0.001	
7/6/2016	0.0001 (J)	
9/7/2016	<0.001	
10/18/2016	<0.001	
12/8/2016	<0.001	
2/2/2017	<0.001	
3/24/2017	<0.001	
10/4/2017	<0.001	
3/15/2018	<0.001	
10/4/2018	<0.001	
4/8/2019		<0.001
10/1/2019		<0.001
3/30/2020		<0.001
9/24/2020		<0.001
3/9/2021		<0.001
8/10/2021		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/6/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/27/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/12/2010	<0.01	
10/5/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	<0.01	
3/13/2013	<0.01	
9/11/2013	<0.01	
3/11/2014	<0.01	
9/9/2014	0.0029 (J)	
9/30/2015	0.001 (J)	
3/24/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/9/2019		<0.01
10/1/2019		<0.01
3/31/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-23	GWC-23
3/6/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/14/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/12/2011	<0.01	
4/9/2012	<0.01	
9/19/2012	<0.01	
3/13/2013	<0.01	
9/10/2013	<0.01	
3/11/2014	<0.01	
9/3/2014	<0.01	
4/23/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/5/2018	<0.01	
4/8/2019		0.00017 (J)
10/1/2019		<0.01
3/26/2020		<0.01
9/23/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-5	GWC-5
3/7/2007	<0.01	
5/8/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/14/2010	<0.01	
4/5/2011	<0.01	
10/12/2011	<0.01	
4/4/2012	<0.01	
9/24/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	<0.01	
9/9/2014	0.00093 (J)	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
9/7/2016	<0.01	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/16/2018	<0.01	
10/4/2018	<0.01	
4/9/2019		<0.01
10/1/2019		<0.01
3/31/2020		<0.01
9/25/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
5/9/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	0.0039	
4/13/2010	<0.01	
10/7/2010	<0.01	
4/5/2011	0.0025	
10/4/2011	0.0027	
4/3/2012	<0.01	
9/18/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	<0.01	
9/8/2014	0.0012 (J)	
4/21/2015	0.0015 (J)	
9/29/2015	<0.01	
3/23/2016	<0.01	
9/7/2016	<0.01	
3/24/2017	<0.01	
10/4/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
10/1/2019		<0.01
3/30/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/7/2007	<0.01	
5/8/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	0.0029	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/13/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	<0.01	
9/3/2014	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/5/2018	<0.01	
4/8/2019		<0.01
10/1/2019		<0.01
3/27/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/6/2007	<0.01	
5/8/2007	<0.01	
7/7/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/9/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	0.0028	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/10/2011	<0.01	
4/3/2012	<0.01	
9/24/2012	<0.01	
3/12/2013	<0.01	
9/11/2013	<0.01	
3/4/2014	0.0026	
9/3/2014	0.001 (J)	
4/21/2015	<0.01	
9/30/2015	<0.01	
3/22/2016	<0.01	
9/7/2016	0.0047 (J)	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/14/2018	0.0032 (J)	
10/4/2018	0.003 (J)	
4/8/2019		<0.01
9/30/2019		0.0032 (J)
3/26/2020		<0.01
9/23/2020		0.0025 (J)
3/8/2021		<0.01
8/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-11	GWA-11
3/7/2007	<0.01	
5/8/2007	0.0025	
7/17/2007	0.0047	
8/28/2007	0.0033	
11/7/2007	<0.01	
5/9/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/4/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/4/2014	<0.01	
9/3/2014	0.00074 (J)	
4/21/2015	<0.01	
9/29/2015	0.0024 (J)	
3/22/2016	<0.01	
9/7/2016	0.0023 (J)	
3/24/2017	0.0068 (J)	
10/5/2017	<0.01	
3/15/2018	0.0042 (J)	
10/4/2018	0.0046 (J)	
4/8/2019		0.0024 (J)
9/30/2019		0.004 (J)
3/26/2020		<0.01
9/22/2020		<0.01
3/8/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/6/2007	<0.01	
5/8/2007	<0.01	
7/7/2007	<0.01	
8/28/2007	0.0026	
11/6/2007	<0.01	
5/9/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	<0.01	
10/1/2009	<0.01	
4/13/2010	<0.01	
10/7/2010	<0.01	
4/6/2011	<0.01	
10/6/2011	<0.01	
4/3/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/9/2013	<0.01	
3/4/2014	0.0035	
9/3/2014	0.0015 (J)	
4/22/2015	<0.01	
9/30/2015	0.0026 (J)	
3/22/2016	<0.01	
9/7/2016	0.0024 (J)	
3/23/2017	<0.01	
10/4/2017	0.0017 (J)	
3/14/2018	0.0023 (J)	
10/4/2018	0.0041 (J)	
4/8/2019		0.0014 (J)
9/30/2019		0.0043 (J)
3/26/2020		<0.01
9/21/2020		<0.01
3/9/2021		<0.01
8/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/6/2007	<0.01	
5/8/2007	<0.01	
7/17/2007	0.0033	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	0.0033	
12/3/2008	0.0054	
4/7/2009	<0.01	
10/2/2009	<0.01	
4/14/2010	0.003	
10/14/2010	<0.01	
4/5/2011	<0.01	
10/12/2011	<0.01	
4/4/2012	<0.01	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/11/2014	0.0037	
9/8/2014	0.00087 (J)	
4/21/2015	0.002 (J)	
9/29/2015	0.0021 (J)	
3/22/2016	<0.01	
9/7/2016	0.0034 (J)	
3/23/2017	0.0031 (J)	
10/4/2017	<0.01	
3/15/2018	0.0028 (J)	
10/4/2018	0.0043 (J)	
4/5/2019		0.0013 (J)
9/30/2019		0.0045 (J)
3/26/2020		<0.01
9/23/2020		<0.01
3/8/2021		<0.01
8/9/2021		<0.01



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/6/2007	<0.01	
5/8/2007	<0.01	
7/17/2007	<0.01	
8/28/2007	0.0026	
11/6/2007	<0.01	
5/8/2008	0.0037	
12/3/2008	0.003	
4/7/2009	0.0045	
10/2/2009	0.0027	
4/14/2010	<0.01	
10/14/2010	0.0041	
4/5/2011	<0.01	
10/12/2011	0.0033	
4/4/2012	<0.01	
9/24/2012	0.0039	
3/12/2013	<0.01	
9/10/2013	0.0035	
3/11/2014	0.0045	
9/8/2014	0.0026	
4/21/2015	0.0028	
9/29/2015	0.008 (J)	
3/22/2016	<0.01	
9/7/2016	0.0035 (J)	
3/24/2017	0.0095 (J)	
10/4/2017	0.0031 (J)	
3/15/2018	0.0041 (J)	
10/4/2018	0.0058 (J)	
4/8/2019		0.0023 (J)
9/30/2019		0.0059 (J)
3/26/2020		<0.01
9/23/2020		0.0025 (J)
3/8/2021		0.0034 (J)
8/9/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/7/2007	<0.01	
5/8/2007	<0.01	
7/17/2007	0.0069	
8/28/2007	<0.01	
11/7/2007	<0.01	
5/9/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/4/2011	<0.01	
4/10/2012	<0.01	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/4/2014	0.0026	
9/3/2014	0.00079 (J)	
4/21/2015	<0.01	
9/30/2015	0.0018 (J)	
3/23/2016	<0.01	
9/7/2016	<0.01	
3/27/2017	0.0014 (J)	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	0.0033 (J)	
4/9/2019		<0.01
10/1/2019		0.0049 (J)
3/27/2020		<0.01
9/25/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.01	
5/9/2007	0.0026	
7/17/2007	0.0043	
8/28/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/3/2008	<0.01	
4/14/2009	<0.01	
10/1/2009	<0.01	
4/13/2010	<0.01	
10/12/2010	<0.01	
4/6/2011	<0.01	
10/12/2011	<0.01	
4/5/2012	<0.01	
9/19/2012	<0.01	
3/13/2013	<0.01	
9/10/2013	<0.01	
3/10/2014	0.0022 (J)	
9/3/2014	0.0013 (J)	
4/22/2015	0.0019 (J)	
9/30/2015	0.0037 (J)	
3/24/2016	<0.01	
9/8/2016	0.0024 (J)	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/16/2018	<0.01	
10/5/2018	0.0029 (J)	
4/9/2019		0.0037 (J)
10/1/2019		0.006 (J)
3/30/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.01	
5/9/2007	0.0025	
7/17/2007	0.0035	
8/28/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/4/2008	<0.01	
4/14/2009	<0.01	
10/2/2009	<0.01	
4/13/2010	0.0043	
10/12/2010	<0.01	
4/6/2011	<0.01	
10/12/2011	<0.01	
4/5/2012	<0.01	
9/25/2012	<0.01	
3/13/2013	<0.01	
9/11/2013	<0.01	
3/10/2014	0.0031	
9/9/2014	0.00098 (J)	
4/22/2015	0.0015 (J)	
9/30/2015	0.002 (J)	
3/24/2016	<0.01	
9/8/2016	0.0029 (J)	
3/27/2017	0.0019 (J)	
10/5/2017	0.0024 (J)	
3/15/2018	<0.01	
10/4/2018	0.013	
4/9/2019		<0.01
10/1/2019		0.0049 (J)
3/31/2020		<0.01
9/28/2020		0.0033 (J)
3/10/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/14/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/12/2010	<0.01	
10/12/2011	<0.01	
4/9/2012	<0.01	
9/25/2012	<0.01	
3/13/2013	<0.01	
9/11/2013	<0.01	
3/10/2014	0.0024 (J)	
9/9/2014	0.00078 (J)	
4/23/2015	<0.01	
9/30/2015	0.0016 (J)	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	0.0017 (J)	
10/5/2017	0.0016 (J)	
3/16/2018	<0.01	
10/5/2018	<0.01	
4/9/2019		<0.01
10/1/2019		0.0063 (J)
3/31/2020		<0.01
9/23/2020		<0.01
3/10/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/6/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	0.0031	
8/29/2007	0.0056	
11/7/2007	0.0059	
5/7/2008	0.0059	
12/5/2008	<0.01	
4/27/2009	0.0051	
9/30/2009	0.0066	
4/13/2010	0.0041	
10/12/2010	0.004	
10/5/2011	0.0043	
4/10/2012	0.0108	
9/26/2012	0.0066	
3/13/2013	0.0035	
9/11/2013	0.005	
3/11/2014	0.005	
9/9/2014	0.0041	
9/30/2015	0.0031 (J)	
3/24/2016	0.00393 (J)	
9/8/2016	0.0047 (J)	
3/27/2017	0.0036 (J)	
10/5/2017	0.0065 (J)	
3/15/2018	0.0053 (J)	
10/4/2018	0.0077 (J)	
4/9/2019		0.0041 (J)
10/1/2019		0.0078 (J)
3/31/2020		<0.01
9/24/2020		0.0046 (J)
3/9/2021		0.0033 (J)
8/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-22	GWC-22
3/6/2007	<0.01	
5/9/2007	0.0035	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/14/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/12/2010	<0.01	
4/6/2011	<0.01	
10/5/2011	<0.01	
4/9/2012	<0.01	
9/25/2012	<0.01	
3/13/2013	<0.01	
9/11/2013	<0.01	
3/11/2014	0.0037	
9/9/2014	0.0006 (J)	
4/23/2015	<0.01	
9/30/2015	0.0021 (J)	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	0.003 (J)	
4/9/2019		<0.01
10/1/2019		0.0054 (J)
3/31/2020		<0.01
9/23/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	0.0054	
5/9/2007	0.0041	
7/17/2007	0.005	
8/29/2007	0.0044	
11/7/2007	<0.01	
5/7/2008	<0.01	
12/5/2008	<0.01	
4/14/2009	<0.01	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/13/2010	<0.01	
4/6/2011	<0.01	
10/12/2011	<0.01	
4/9/2012	<0.01	
9/19/2012	<0.01	
3/13/2013	<0.01	
9/10/2013	<0.01	
3/11/2014	0.0033	
9/3/2014	0.0014 (J)	
4/23/2015	0.0024 (J)	
9/30/2015	0.0041 (J)	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	0.0014 (J)	
10/5/2017	0.0014 (J)	
3/15/2018	0.0039 (J)	
10/5/2018	0.0048 (J)	
4/8/2019		0.0016 (J)
10/1/2019		0.0057 (J)
3/26/2020		<0.01
9/23/2020		0.0022 (J)
3/9/2021		<0.01
8/10/2021		<0.01



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	0.0064	
5/8/2007	<0.01	
7/6/2007	<0.01	
8/28/2007	0.0025	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	0.0025	
10/1/2009	<0.01	
4/14/2010	<0.01	
10/14/2010	<0.01	
4/5/2011	0.0025	
10/12/2011	0.0037	
4/4/2012	<0.01	
9/24/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	0.0028	
9/9/2014	0.00058 (J)	
4/21/2015	0.0043	
9/29/2015	0.0031 (J)	
3/23/2016	0.00272 (J)	
9/7/2016	<0.01	
3/23/2017	0.0026 (J)	
10/4/2017	<0.01	
3/16/2018	<0.01	
10/4/2018	0.0028 (J)	
4/9/2019		<0.01
10/1/2019		0.0053 (J)
3/31/2020		<0.01
9/25/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/7/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	<0.01	
10/1/2009	<0.01	
4/13/2010	<0.01	
10/6/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
9/18/2012	<0.01	
3/12/2013	<0.01	
9/9/2013	<0.01	
3/5/2014	0.0026	
9/8/2014	0.00055 (J)	
4/22/2015	<0.01	
9/29/2015	0.0026 (J)	
3/23/2016	<0.01	
9/7/2016	0.0024 (J)	
3/23/2017	0.0035 (J)	
10/4/2017	<0.01	
3/16/2018	0.0029 (J)	
10/4/2018	0.0039 (J)	
4/8/2019		0.0013 (J)
10/1/2019		0.0056 (J)
3/31/2020		<0.01
9/25/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
5/9/2007	45 (o)	
7/6/2007	16 (o)	
8/28/2007	11 (o)	
11/6/2007	8.3	
5/8/2008	5	
12/2/2008	3.2	
4/8/2009	2.4	
10/1/2009	1.9	
4/13/2010	1.9	
10/7/2010	1.6	
4/5/2011	1.1	
10/4/2011	1.1	
4/3/2012	0.75	
9/18/2012	0.88	
3/12/2013	0.23	
9/10/2013	0.36	
3/5/2014	0.33	
9/8/2014	0.47	
4/21/2015	0.27	
9/29/2015	0.359	
3/23/2016	0.102	
9/7/2016	0.24	
3/24/2017	0.0512	
10/4/2017	0.159	
3/15/2018	0.12	
10/4/2018	0.22	
4/8/2019		0.051
10/1/2019		0.12
3/30/2020		0.051
9/24/2020		0.07
3/9/2021		0.057
8/10/2021		0.093

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-8	GWC-8
5/9/2007	0.0038	
7/6/2007	<0.01	
8/28/2007	<0.01	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/13/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/3/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	0.0028	
9/9/2014	0.0014 (J)	
4/22/2015	<0.01	
9/29/2015	0.0016 (J)	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/24/2017	0.0031 (J)	
10/5/2017	<0.01	
3/14/2018	0.0053 (J)	
10/4/2018	0.0031 (J)	
4/8/2019		0.0012 (J)
10/1/2019		0.0055 (J)
3/27/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 9/2/2021 4:00 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/7/2007	<0.01	
5/8/2007	0.0027	
7/6/2007	0.0032	
8/28/2007	0.0026	
11/6/2007	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
9/30/2009	<0.01	
4/13/2010	<0.01	
10/13/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	<0.01	
4/4/2012	<0.01	
9/19/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/5/2014	0.0029	
9/3/2014	0.0011 (J)	
4/21/2015	<0.01	
9/29/2015	0.0034 (J)	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/27/2017	0.0014 (J)	
10/5/2017	0.0013 (J)	
3/15/2018	<0.01	
10/5/2018	0.0044 (J)	
4/8/2019		0.0016 (J)
10/1/2019		0.0052 (J)
3/27/2020		<0.01
9/24/2020		<0.01
3/9/2021		<0.01
8/10/2021		<0.01

FIGURE E.

# Appendix I Interwell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:04 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-8	0.21	n/a	8/10/2021	0.23	Yes	190	n/a	n/a	0	n/a	n/a	0.0000548	NP Inter (normality) 1 of 2
Nickel (mg/L)	GWC-8	0.0055	n/a	8/10/2021	0.0073	Yes	165	n/a	n/a	73.94	n/a	n/a	0.00007239	NP Inter (NDs) 1 of 2

# Appendix I Interwell Prediction Limits - All Results

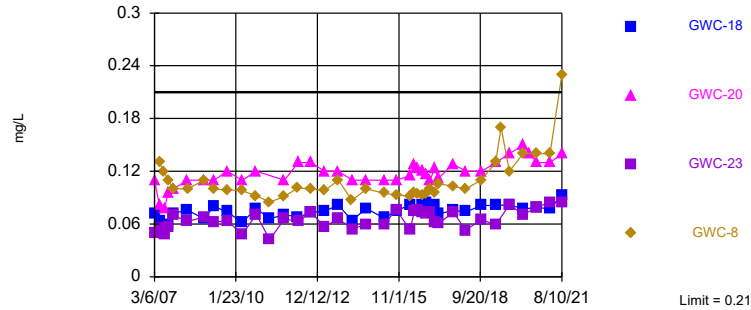
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:04 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-18	0.21	n/a	8/10/2021	0.093	No	190	n/a	n/a	0	n/a	n/a	0.0000548	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-20	0.21	n/a	8/10/2021	0.14	No	190	n/a	n/a	0	n/a	n/a	0.0000548	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-23	0.21	n/a	8/10/2021	0.085	No	190	n/a	n/a	0	n/a	n/a	0.0000548	NP Inter (normality) 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-8</b>	<b>0.21</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.23</b>	<b>Yes</b>	<b>190</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0000548</b>	<b>NP Inter (normality) 1 of 2</b>
Nickel (mg/L)	GWC-8	0.0055	n/a	8/10/2021	0.0073	Yes	165	n/a	n/a	73.94	n/a	n/a	0.00007239	NP Inter (NDs) 1 of 2



Exceeds Limit: GWC-8

Prediction Limit  
Interwell Non-parametric



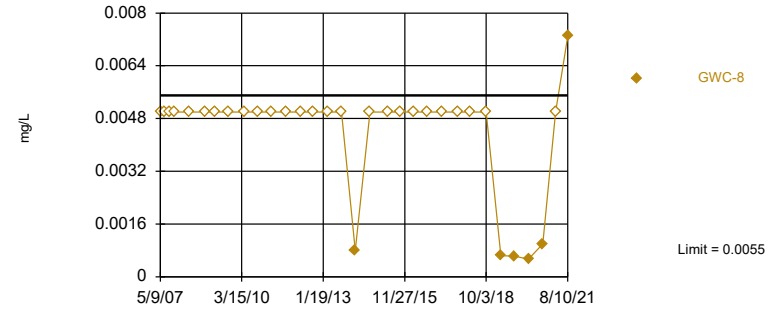
Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 190 background values. Annual per-constituent alpha = 0.001314. Individual comparison alpha = 0.0000548 (1 of 2). Comparing 4 points to limit. Assumes 8 future values.

Constituent: Barium Analysis Run 9/2/2021 4:04 PM View: State Parameters - Interwell  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Hollow symbols indicate censored values.

Exceeds Limit: GWC-8

Prediction Limit  
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 165 background values. 73.94% NDs. Annual per-constituent alpha = 0.001736. Individual comparison alpha = 0.00007239 (1 of 2). Assumes 11 future values.

Constituent: Nickel Analysis Run 9/2/2021 4:04 PM View: State Parameters - Interwell  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:04 PM View: State Parameters - Interwell  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWC-23	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWA-11 (bg)	GWC-20	GWC-18	GWC-8
3/6/2007	0.032	0.05	0.12	0.17	0.13				
3/7/2007						0.03	0.11	0.072	
5/8/2007	0.04		0.11	0.21	0.12	0.032			
5/9/2007		0.055					0.082	0.063	0.13
7/6/2007									0.12
7/7/2007	0.041		0.11						
7/17/2007		0.048		0.21	0.12	0.028	0.078	0.058	
8/28/2007	0.044		0.13	0.2	0.13	0.03		0.06	0.11
8/29/2007		0.056					0.096		
11/6/2007	0.044		0.12	0.19	0.12				0.1
11/7/2007		0.07				0.032	0.1	0.072	
5/7/2008		0.063					0.11	0.076	
5/8/2008				0.2	0.13				0.1
5/9/2008	0.03		0.12			0.032			
12/2/2008						0.036			0.11
12/3/2008	0.047		0.12	0.18	0.14			0.066	
12/5/2008		0.068					0.11		
4/7/2009	0.032		0.13	0.2	0.097				
4/8/2009						0.04			0.1
4/14/2009		0.062					0.11	0.08	
9/30/2009							0.12		0.099
10/1/2009	0.043	0.064	0.14			0.039		0.074	
10/2/2009				0.2	0.11				
4/13/2010			0.15				0.11	0.062	0.098
4/14/2010	0.032	0.048		0.2	0.059	0.041			
10/7/2010			0.16						
10/12/2010							0.12	0.078	
10/13/2010	0.046	0.071				0.039			0.092
10/14/2010				0.18	0.053				
4/5/2011				0.16	0.042				0.085
4/6/2011	0.034	0.042	0.14			0.034		0.066	
10/4/2011						0.032			0.091
10/6/2011			0.16						
10/10/2011	0.038								
10/12/2011		0.066		0.15	0.048		0.11	0.071	
4/3/2012	0.0363		0.165						0.101
4/4/2012				0.165	0.044				
4/5/2012								0.0675	
4/9/2012		0.0628					0.13		
4/10/2012						0.0425			
9/19/2012		0.073	0.16					0.073	0.1
9/24/2012	0.041				0.048				
9/25/2012							0.13		
9/26/2012				0.17		0.035			
3/12/2013	0.041		0.16	0.17	0.043	0.035			0.098
3/13/2013		0.057					0.12	0.075	
9/9/2013			0.17						
9/10/2013		0.066		0.18	0.042	0.035		0.081	0.11
9/11/2013	0.048						0.12		
3/4/2014	0.036		0.16			0.031			
3/5/2014									0.087
3/10/2014							0.11	0.064	

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:04 PM View: State Parameters - Interwell  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWC-23	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWA-11 (bg)	GWC-20	GWC-18	GWC-8
3/11/2014		0.054		0.17	0.04				
9/3/2014	0.04	0.06	0.17			0.033		0.078	
9/8/2014				0.16	0.042				
9/9/2014							0.11		0.1
4/21/2015	0.033			0.16	0.05	0.03			
4/22/2015			0.17					0.067	0.095
4/23/2015		0.06					0.11		
9/29/2015				0.14	0.044	0.031			0.093
9/30/2015	0.042	0.076	0.15				0.11	0.075	
3/22/2016	0.0326		0.197	0.188	0.0397	0.0327			
3/23/2016		0.0533					0.115		0.0918
3/24/2016								0.0818	
5/17/2016	0.0387		0.178	0.193	0.0351	0.0323			
5/18/2016							0.128	0.0763	0.0957
5/19/2016		0.074							
7/5/2016	0.0403		0.182	0.172					
7/6/2016					0.0475	0.0344			0.0935
7/7/2016		0.0766					0.124	0.0747	
9/7/2016	0.0413		0.172	0.164	0.0415	0.0324			
9/8/2016		0.0726					0.121	0.081	0.0925
10/18/2016	0.0409		0.174	0.138	0.0424	0.0311			0.0939
10/19/2016		0.072					0.117	0.084	
12/6/2016	0.0408			0.149	0.0528	0.0311			
12/7/2016		0.0732	0.167				0.11		
12/8/2016								0.0799	0.0996
1/31/2017	0.0435		0.176						
2/1/2017				0.121	0.0482	0.0332			
2/2/2017								0.0813	0.096
2/3/2017		0.0619					0.123		
3/23/2017	0.038		0.157	0.143					
3/24/2017					0.0595	0.032			0.106
3/27/2017		0.0602					0.112	0.0714	
10/4/2017	0.0396		0.143	0.139	0.0486				
10/5/2017		0.0734				0.0325	0.128	0.0755	0.103
3/14/2018	0.039		0.17						0.1
3/15/2018		0.053		0.17	0.04	0.031			
3/16/2018							0.12	0.074	
10/4/2018	0.039		0.18	0.16	0.05	0.033			0.11
10/5/2018		0.065					0.12	0.081	
4/5/2019				0.13					
4/8/2019	0.031	0.059	0.15		0.047	0.031			0.13
4/9/2019							0.13	0.081	
6/18/2019									0.17
9/30/2019	0.042		0.17	0.14	0.051	0.03			
10/1/2019		0.082					0.14	0.082	0.12
3/26/2020	0.032	0.071	0.16	0.14	0.049	0.031			
3/27/2020									0.14
3/30/2020								0.077	
3/31/2020							0.15		
6/19/2020							0.14 (R)		
9/21/2020			0.18						
9/22/2020						0.031			

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 9/2/2021 4:04 PM View: State Parameters - Interwell  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1 (bg)	GWC-23	GWA-2 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWA-11 (bg)	GWC-20	GWC-18	GWC-8
9/23/2020	0.041	0.079		0.14	0.043		0.13		
9/24/2020								0.079	0.14
3/8/2021	0.035			0.12	0.052	0.031			
3/9/2021		0.085	0.17					0.077	0.14
3/10/2021							0.13		
8/9/2021	0.046		0.19	0.12	0.034				
8/10/2021		0.085				0.03	0.14	0.093	0.23

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:04 PM View: State Parameters - Interwell

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-3 (bg)	GWA-2 (bg)	GWA-4 (bg)	GWA-11 (bg)	GWC-8
3/6/2007	<0.005	<0.005	<0.005	<0.005		
3/7/2007					<0.005	
5/8/2007	<0.005	<0.005	<0.005	<0.005	<0.005	
5/9/2007						<0.005
7/6/2007						<0.005
7/7/2007	<0.005		<0.005			
7/17/2007		<0.005		<0.005	<0.005	
8/28/2007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
11/6/2007	<0.005	<0.005	<0.005	<0.005		<0.005
11/7/2007					<0.005	
5/8/2008		<0.005		<0.005		<0.005
5/9/2008	<0.005		<0.005		<0.005	
12/2/2008					<0.005	<0.005
12/3/2008	<0.005	<0.005	<0.005	<0.005		
4/7/2009	<0.005	<0.005	<0.005	<0.005		
4/8/2009					<0.005	<0.005
9/30/2009						<0.005
10/1/2009	<0.005		<0.005		<0.005	
10/2/2009		<0.005		<0.005		
4/13/2010			<0.005			<0.005
4/14/2010	<0.005	<0.005		<0.005	<0.005	
10/7/2010			<0.005			
10/13/2010	<0.005				<0.005	<0.005
10/14/2010		<0.005		<0.005		
4/5/2011		<0.005		0.0032		<0.005
4/6/2011	<0.005		<0.005		<0.005	
10/4/2011					<0.005	<0.005
10/6/2011			<0.005			
10/10/2011	<0.005					
10/12/2011		<0.005		<0.005		
4/3/2012	<0.005		<0.005			<0.005
4/4/2012		<0.005		<0.005		
4/10/2012					<0.005	
9/19/2012			<0.005			<0.005
9/24/2012	<0.005			0.0032		
9/26/2012		<0.005			<0.005	
3/12/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
9/9/2013			<0.005			
9/10/2013		<0.005		<0.005	<0.005	<0.005
9/11/2013	<0.005					
3/4/2014	0.001 (J)		0.0007 (J)		0.002 (J)	
3/5/2014						0.00079 (J)
3/11/2014		0.0013 (J)		0.0026		
9/3/2014	<0.005		<0.005		0.002 (J)	
9/8/2014		<0.005		0.0017 (J)		
9/9/2014						<0.005
4/21/2015	<0.005	<0.005		0.0016 (J)	0.002 (J)	
4/22/2015			<0.005			<0.005
9/29/2015		<0.005		0.0055	0.0022 (J)	<0.005
9/30/2015	<0.005		<0.005			
3/22/2016	<0.005	<0.005	<0.005	<0.005	<0.005	
3/23/2016						<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 9/2/2021 4:04 PM View: State Parameters - Interwell  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-3 (bg)	GWA-2 (bg)	GWA-4 (bg)	GWA-11 (bg)	GWC-8
9/7/2016	0.0008 (J)	<0.005	<0.005	0.0014 (J)	0.0026 (J)	
9/8/2016						<0.005
3/23/2017	0.0007 (J)	0.0022 (J)	<0.005			
3/24/2017				0.0017 (J)	0.0024 (J)	<0.005
10/4/2017	0.0006 (J)	<0.005	<0.005	0.0023 (J)		
10/5/2017					0.0023 (J)	<0.005
3/14/2018	<0.005		<0.005			<0.005
3/15/2018		<0.005		0.0024 (J)	0.0026 (J)	
10/4/2018	<0.005	<0.005	<0.005	0.0013 (J)	0.0023 (J)	<0.005
4/5/2019		0.00075 (J)				
4/8/2019	0.00034 (J)		<0.005	0.00089 (J)	0.0023 (J)	0.00064 (J)
9/30/2019	0.00037 (J)	<0.005	<0.005	0.0013 (J)	0.0017 (J)	
10/1/2019						0.00063 (J)
3/26/2020	0.00065 (J)	0.0011 (J)	<0.005	0.00096 (J)	0.002 (J)	
3/27/2020						0.00053 (J)
9/21/2020			<0.005			
9/22/2020					0.0014 (J)	
9/23/2020	<0.005	<0.005		0.00091 (J)		
9/24/2020						0.001 (J)
3/8/2021	<0.005	<0.005		<0.005	0.001 (J)	
3/9/2021			<0.005			<0.005
8/9/2021	<0.005	<0.005	<0.005	0.001 (J)		
8/10/2021					0.0017 (J)	0.0073

FIGURE F.

# Appendix I Trend Tests - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:06 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-2 (bg)	0.003862	394	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	-0.004996	-430	-206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	-0.002734	-261	-206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-18	0.001018	323	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-20	0.002248	397	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-23	0.001365	258	206	Yes	38	0	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-11 (bg)	-0.0006231	-292	-167	Yes	33	54.55	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-4 (bg)	-0.0002785	-265	-167	Yes	33	51.52	n/a	n/a	0.01	NP

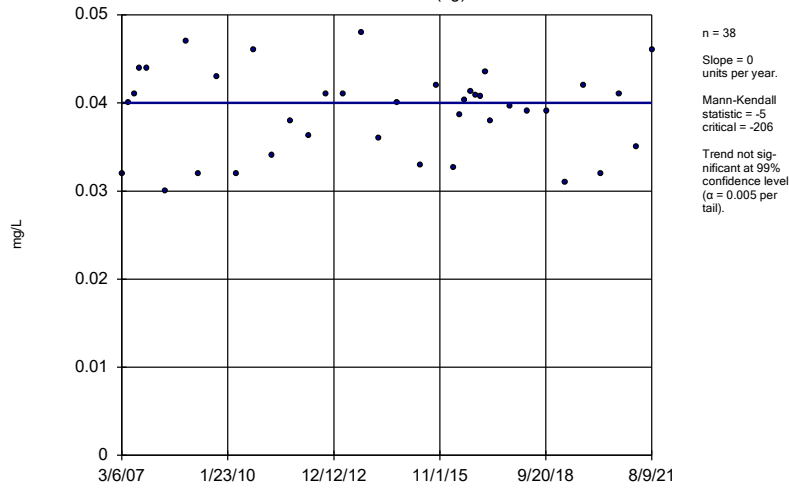


# Appendix I Trend Tests - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:06 PM

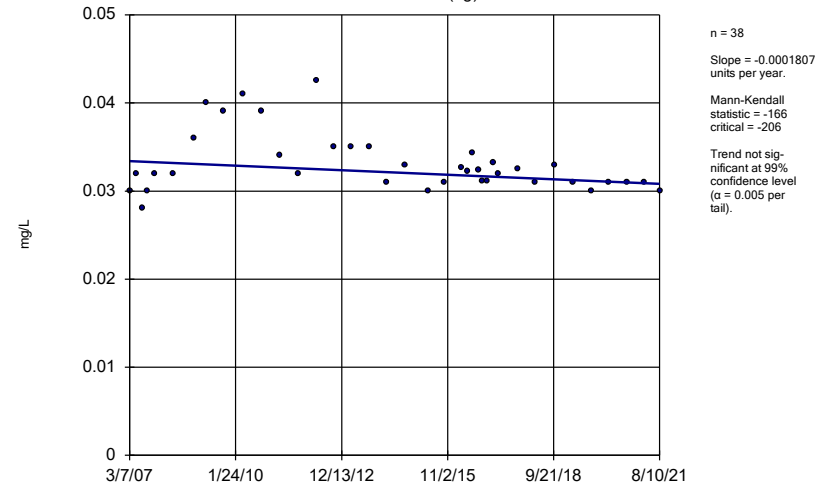
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	0	-5	-206	No	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-11 (bg)	-0.0001807	-166	-206	No	38	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>0.003862</b>	<b>394</b>	<b>206</b>	<b>Yes</b>	<b>38</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWA-3 (bg)	-0.004996	-430	-206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	-0.002734	-261	-206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-18	0.001018	323	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-20	0.002248	397	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-23	0.001365	258	206	Yes	38	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-8	0.001151	148	206	No	38	0	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-1 (bg)	0	-129	-167	No	33	78.79	n/a	n/a	0.01	NP
<b>Nickel (mg/L)</b>	<b>GWA-11 (bg)</b>	<b>-0.0006231</b>	<b>-292</b>	<b>-167</b>	<b>Yes</b>	<b>33</b>	<b>54.55</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel (mg/L)	GWA-2 (bg)	0	-2	-167	No	33	96.97	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-3 (bg)	0	-66	-167	No	33	87.88	n/a	n/a	0.01	NP
<b>Nickel (mg/L)</b>	<b>GWA-4 (bg)</b>	<b>-0.0002785</b>	<b>-265</b>	<b>-167</b>	<b>Yes</b>	<b>33</b>	<b>51.52</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel (mg/L)	GWC-8	0	-73	-161	No	32	81.25	n/a	n/a	0.01	NP

Sen's Slope Estimator  
GWA-1 (bg)



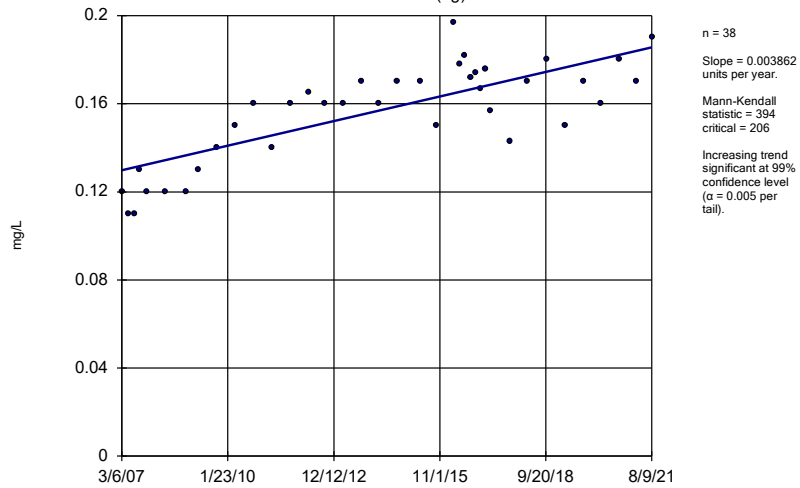
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-11 (bg)



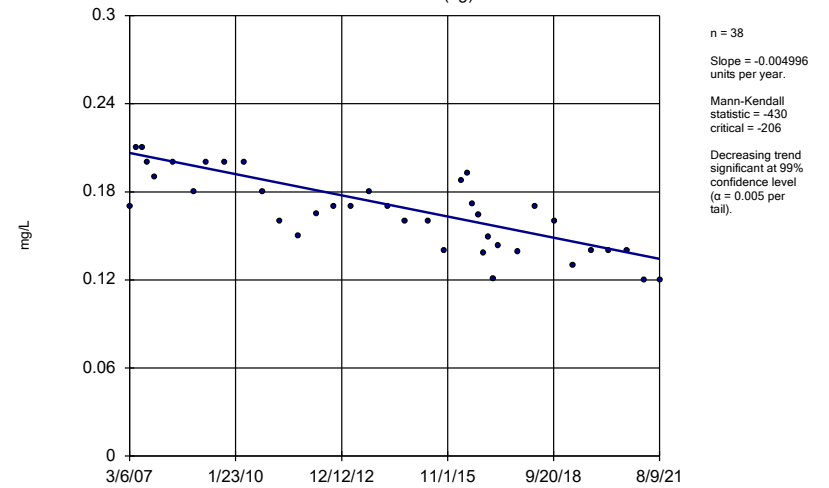
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-2 (bg)



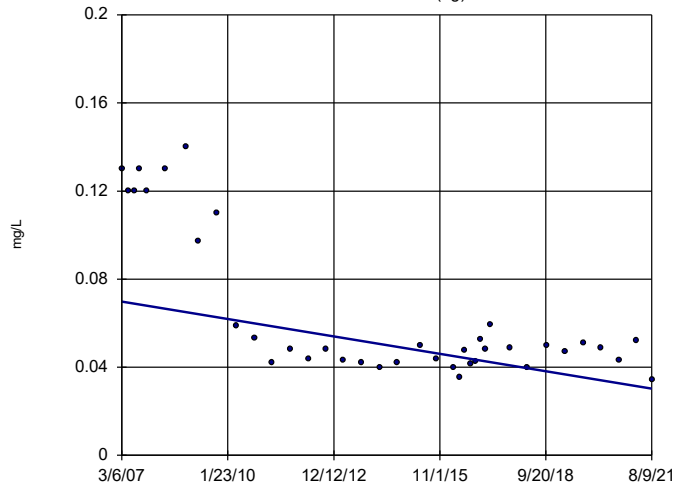
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-3 (bg)



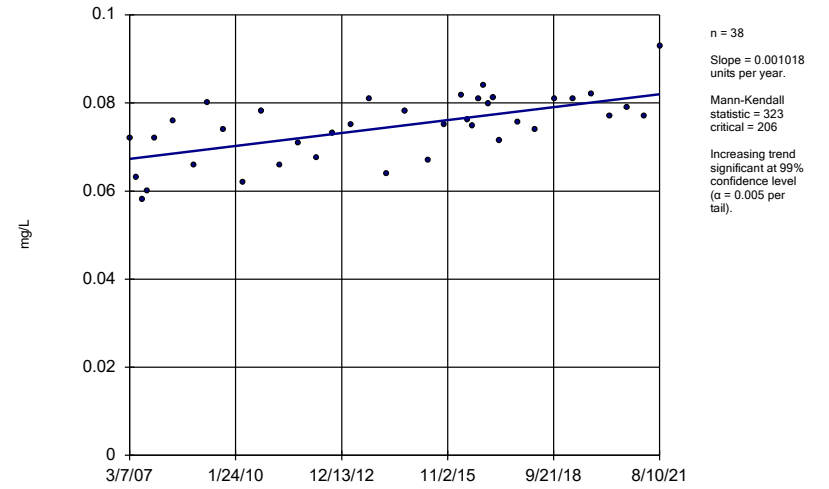
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWA-4 (bg)



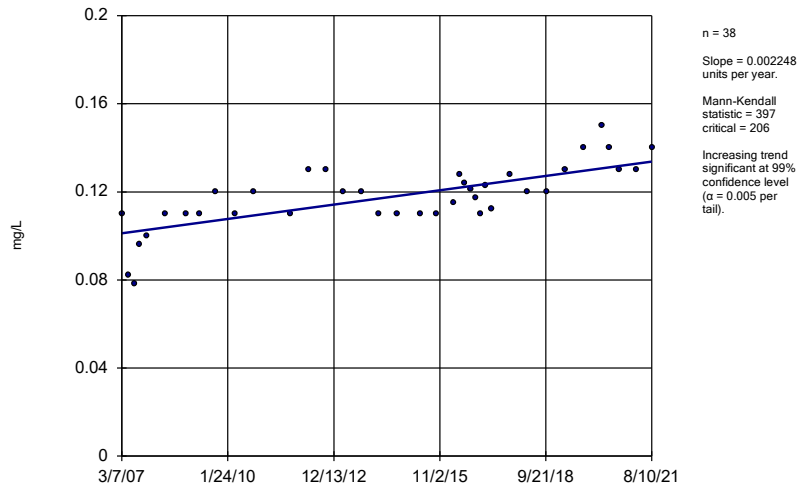
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWC-18



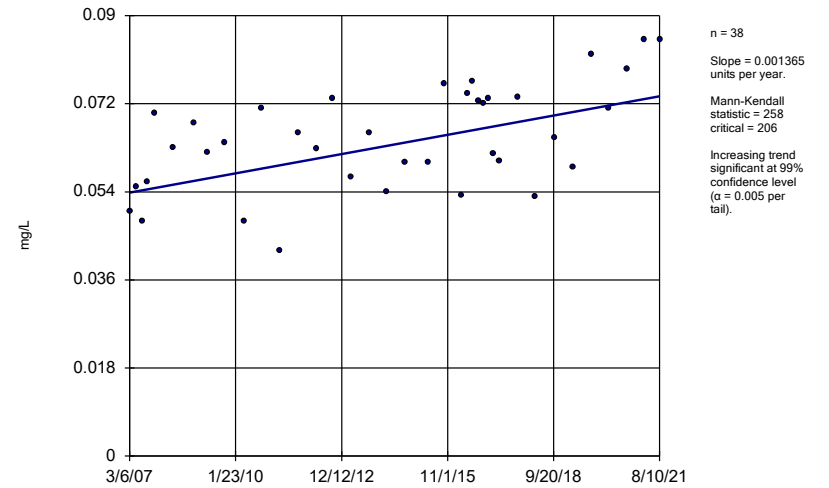
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWC-20



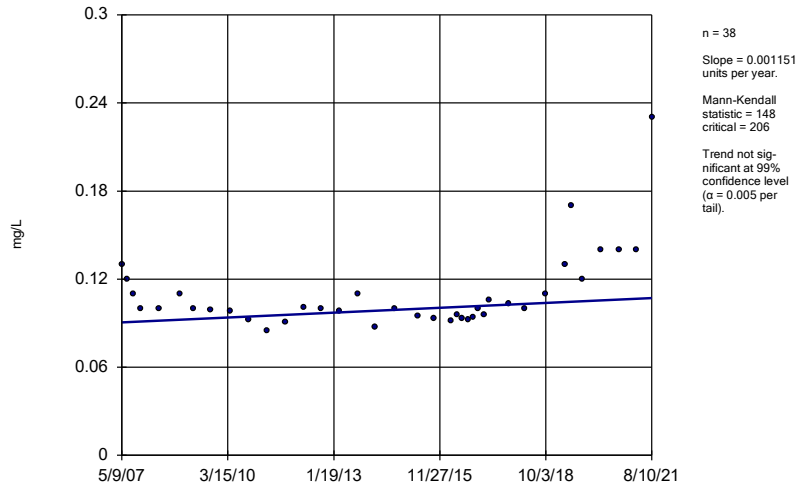
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWC-23



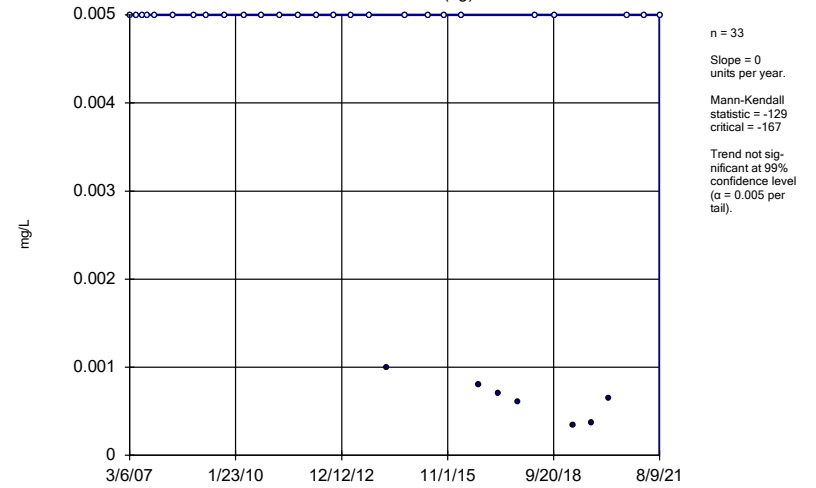
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Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWC-8



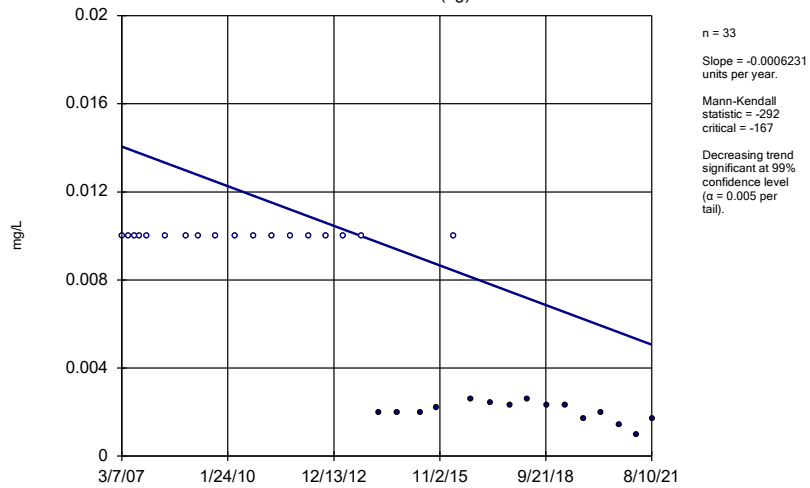
Constituent: Barium Analysis Run 9/2/2021 4:05 PM View: State Parameters Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWA-1 (bg)



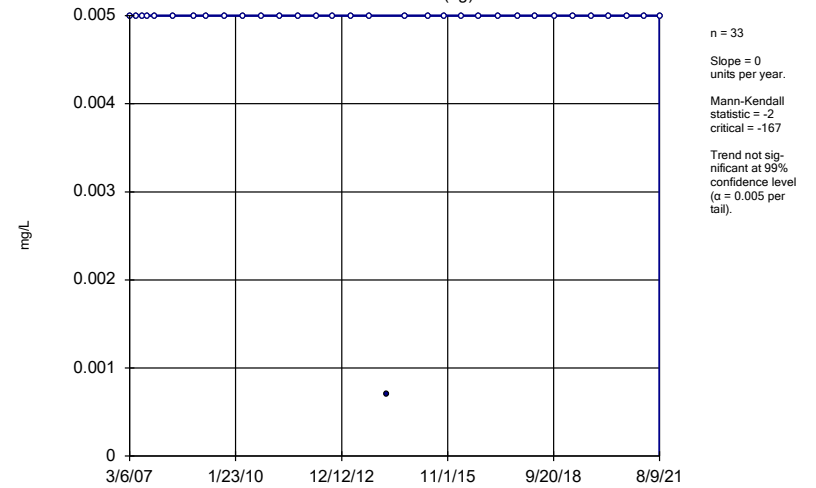
Constituent: Nickel Analysis Run 9/2/2021 4:05 PM View: State Parameters Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWA-11 (bg)



Constituent: Nickel Analysis Run 9/2/2021 4:05 PM View: State Parameters Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

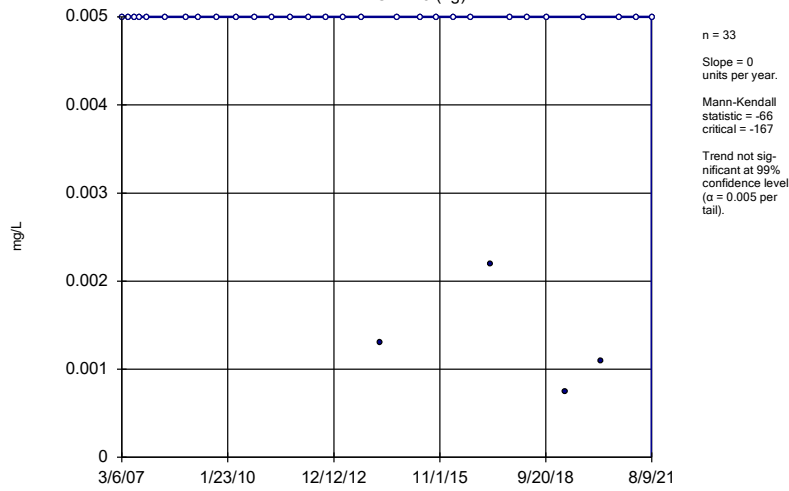
### Sen's Slope Estimator GWA-2 (bg)



Constituent: Nickel Analysis Run 9/2/2021 4:05 PM View: State Parameters Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

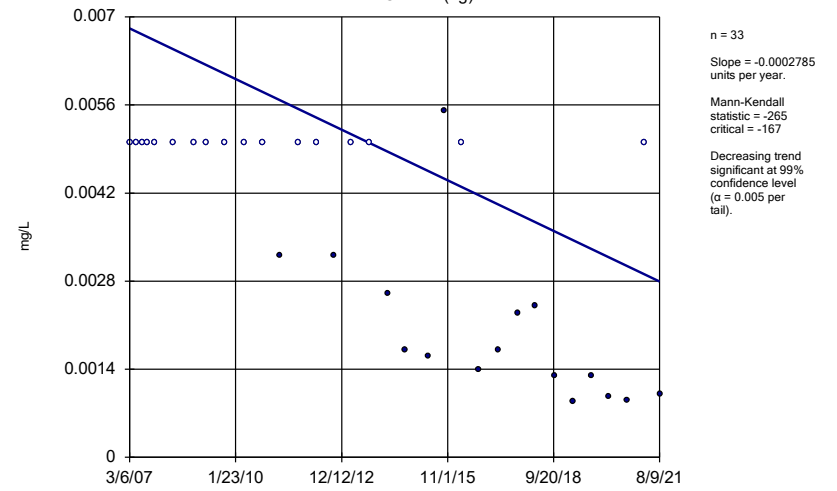
GWA-3 (bg)



Constituent: Nickel Analysis Run 9/2/2021 4:05 PM View: State Parameters Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

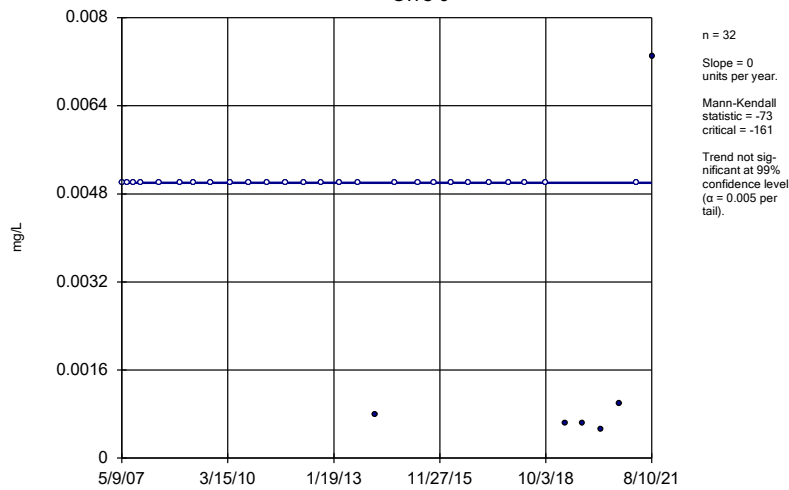
GWA-4 (bg)



Constituent: Nickel Analysis Run 9/2/2021 4:05 PM View: State Parameters Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWC-8



Constituent: Nickel Analysis Run 9/2/2021 4:05 PM View: State Parameters Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

FIGURE G.

# Appendix III Intrawell Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-8	0.055	n/a	8/10/2021	0.088	Yes	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Calcium (mg/L)	GWC-18	46.36	n/a	8/10/2021	48.2	Yes	14	40.09	2.439	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-23	45.95	n/a	8/10/2021	48.2	Yes	13	36.75	3.5	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-8	90.82	n/a	8/10/2021	111	Yes	15	63.08	11.04	0	None	No	0.0006269	Param Intra 1 of 2
pH (SU)	GWC-8	7.808	6.743	8/10/2021	6.65	Yes	15	7.275	0.2119	0	None	No	0.0003135	Param Intra 1 of 2
Sulfate (mg/L)	GWA-2	20.34	n/a	8/9/2021	23.2	Yes	13	14.94	2.053	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	58.56	n/a	8/10/2021	66.4	Yes	18	35.78	9.504	0	None	No	0.0006269	Param Intra 1 of 2

# Appendix III Intrawell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWA-1	0.05	n/a	8/9/2021	0.021J	No	13	n/a	n/a	15.38	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Boron (mg/L)	GWA-11	0.04165	n/a	8/10/2021	0.034J	No	13	0.0356	0.002301	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWA-2	0.1059	n/a	8/9/2021	0.085	No	13	0.08618	0.007513	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWA-3	0.195	n/a	8/9/2021	0.14	No	13	0.1502	0.01706	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWA-4	0.1507	n/a	8/9/2021	0.073	No	13	0.09276	0.02204	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-10	0.04348	n/a	8/10/2021	0.033J	No	13	0.03321	0.003909	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-18	0.1547	n/a	8/10/2021	0.14	No	13	0.1292	0.009697	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-19	0.2048	n/a	8/10/2021	0.14	No	13	0.1773	0.01047	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-20	0.05	n/a	8/10/2021	0.013J	No	13	n/a	n/a	7.692	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Boron (mg/L)	GWC-21	0.1406	n/a	8/10/2021	0.026J	No	13	0.199	0.06698	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-22	0.08272	n/a	8/10/2021	0.057	No	13	0.06841	0.005445	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-23	0.1347	n/a	8/10/2021	0.027J	No	13	0.191	0.067	7.692	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-5	0.08013	n/a	8/10/2021	0.056	No	13	0.05944	0.007872	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-6	0.04531	n/a	8/10/2021	0.037J	No	14	0.03949	0.002264	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-7	0.07265	n/a	8/10/2021	0.037J	No	13	0.05612	0.006289	0	None	No	0.0006269	Param Intra 1 of 2
<b>Boron (mg/L)</b>	<b>GWC-8</b>	<b>0.055</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>0.088</b>	<b>Yes</b>	<b>13</b>	<b>n/a</b>	<b>n/a</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.009692</b>	<b>NP Intra (normality) 1 of 2</b>
Boron (mg/L)	GWC-9	0.05	n/a	8/10/2021	0.012J	No	13	n/a	n/a	7.692	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Calcium (mg/L)	GWA-1	20.51	n/a	8/9/2021	20.2	No	13	15.95	1.735	7.692	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-11	27.27	n/a	8/10/2021	20.8	No	13	19.82	2.834	7.692	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-2	51.4	n/a	8/9/2021	49.9	No	13	41.93	3.601	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-3	94.16	n/a	8/9/2021	73.2	No	13	75.85	6.964	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWA-4	130.7	n/a	8/9/2021	69.7	No	13	88.18	16.18	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-10	60.36	n/a	8/10/2021	45.5	No	15	41.41	7.541	0	None	No	0.0006269	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-18</b>	<b>46.36</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>48.2</b>	<b>Yes</b>	<b>14</b>	<b>40.09</b>	<b>2.439</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	GWC-19	49.63	n/a	8/10/2021	44.9	No	13	43.91	2.178	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-20	63.52	n/a	8/10/2021	62	No	13	52.64	4.139	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-21	95.47	n/a	8/10/2021	29.7	No	15	48.65	18.63	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-22	52.66	n/a	8/10/2021	48.1	No	13	47.68	1.891	0	None	No	0.0006269	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-23</b>	<b>45.95</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>48.2</b>	<b>Yes</b>	<b>13</b>	<b>36.75</b>	<b>3.5</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	GWC-5	90.26	n/a	8/10/2021	78.3	No	13	73.43	6.404	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-6	71.95	n/a	8/10/2021	67.7	No	13	62.28	3.678	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-7	74.21	n/a	8/10/2021	40.5	No	13	36.61	14.31	0	None	No	0.0006269	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-8</b>	<b>90.82</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>111</b>	<b>Yes</b>	<b>15</b>	<b>63.08</b>	<b>11.04</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Calcium (mg/L)	GWC-9	39.77	n/a	8/10/2021	38.1	No	13	35.16	1.751	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-1	1.55	n/a	8/9/2021	1.1	No	13	1.179	0.1409	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-11	2.158	n/a	8/10/2021	1.2	No	13	1.493	0.253	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-2	3.162	n/a	8/9/2021	2.4	No	13	2.431	0.2783	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-3	4.883	n/a	8/9/2021	2.1	No	13	3.95	0.3552	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWA-4	11.19	n/a	8/9/2021	3	No	13	6.268	1.874	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-10	2.285	n/a	8/10/2021	1.2	No	15	1.609	0.269	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-18	1.907	n/a	8/10/2021	0.93J	No	13	1.385	0.1987	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-19	2.57	n/a	8/10/2021	1.2	No	13	1.915	0.2492	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-20	2.396	n/a	8/10/2021	1.2	No	14	1.7	0.2708	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-21	3.962	n/a	8/10/2021	2	No	14	2.712	0.4862	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-22	2.011	n/a	8/10/2021	1.1	No	13	1.555	0.1736	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-23	2.104	n/a	8/10/2021	1	No	13	1.552	0.2101	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-5	4.279	n/a	8/10/2021	2.3	No	13	3.029	0.4757	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-6	2.458	n/a	8/10/2021	1.6	No	13	1.955	0.1913	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-7	2.458	n/a	8/10/2021	1.6	No	13	1.654	0.3056	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-8	3.306	n/a	8/10/2021	2.7	No	15	1.936	0.545	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-9	1.823	n/a	8/10/2021	0.85J	No	13	1.195	0.239	0	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-1	0.2142	n/a	8/9/2021	0.083J	No	13	0.1055	0.04138	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-11	0.1844	n/a	8/10/2021	0.068J	No	13	0.07757	0.04064	23.08	Kaplan-Meier	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-2	0.267	n/a	8/9/2021	0.081J	No	13	0.1289	0.05253	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-3	0.5357	n/a	8/9/2021	0.1	No	13	0.2393	0.1127	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWA-4	0.5087	n/a	8/9/2021	0.12	No	13	0.2241	0.1082	0	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-10	0.2027	n/a	8/10/2021	0.078J	No	13	0.1064	0.03664	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-18	0.2327	n/a	8/10/2021	0.11	No	13	0.1467	0.03273	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-19	0.2758	n/a	8/10/2021	0.11	No	13	0.1547	0.04606	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-20	0.2054	n/a	8/10/2021	0.066J	No	13	0.09322	0.0427	7.692	None	No	0.0006269	Param Intra 1 of 2



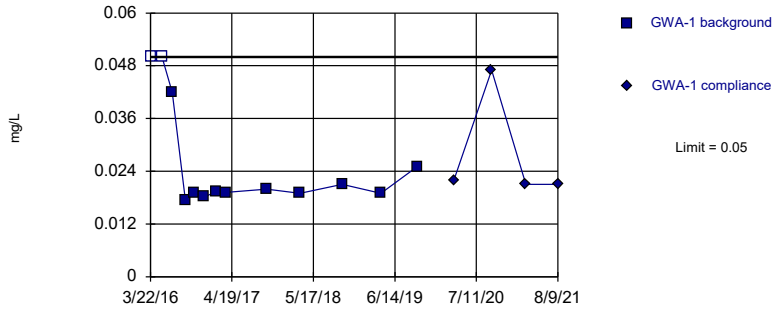
# Appendix III Intrawell Prediction Limits - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:15 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GWC-21	0.2412	n/a	8/10/2021	0.05ND	No	13	0.08881	0.05798	15.38	Kaplan-Meier	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-22	0.1652	n/a	8/10/2021	0.071J	No	13	0.09188	0.0279	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-23	0.1978	n/a	8/10/2021	0.087J	No	13	0.1127	0.03238	7.692	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-5	0.4044	n/a	8/10/2021	0.057J	No	13	0.4643	0.1047	15.38	Kaplan-Meier	x^(1/3)	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-6	0.3208	n/a	8/10/2021	0.057J	No	13	0.1139	0.07868	15.38	Kaplan-Meier	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-7	0.548	n/a	8/10/2021	0.19	No	13	0.2598	0.1097	0	None	No	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-8	0.4854	n/a	8/10/2021	0.13	No	14	0.4306	0.1035	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Fluoride (mg/L)	GWC-9	0.1929	n/a	8/10/2021	0.076J	No	13	0.09607	0.03684	7.692	None	No	0.0006269	Param Intra 1 of 2
pH (SU)	GWA-1	7.414	6.463	8/9/2021	7.23	No	13	6.938	0.1807	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-11	7.075	6.309	8/10/2021	6.84	No	13	6.692	0.1457	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-2	7.273	6.46	8/9/2021	6.9	No	13	6.867	0.1547	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-3	7.238	6.227	8/9/2021	6.89	No	13	6.732	0.1922	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-4	7.246	6.263	8/9/2021	6.76	No	13	6.755	0.1869	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-10	7.697	6.845	8/10/2021	7.45	No	13	7.271	0.162	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-18	7.781	7.39	8/10/2021	7.4	No	13	7.585	0.07423	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-19	7.732	7.179	8/10/2021	7.49	No	13	7.455	0.1052	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-20	7.588	6.958	8/10/2021	7.31	No	15	7.273	0.1253	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-21	7.759	5.557	8/10/2021	6.05	No	13	6.658	0.4189	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-22	7.968	7.278	8/10/2021	7.75	No	14	7.623	0.1341	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-23	7.564	6.735	8/10/2021	6.96	No	13	7.149	0.1578	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-5	7.288	6.348	8/10/2021	6.87	No	13	6.818	0.1788	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-6	7.369	6.632	8/10/2021	7.06	No	13	7.001	0.1401	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-7	6.623	5.502	8/10/2021	6.29	No	13	6.062	0.2132	0	None	No	0.0003135	Param Intra 1 of 2
<b>pH (SU)</b>	<b>GWC-8</b>	<b>7.808</b>	<b>6.743</b>	<b>8/10/2021</b>	<b>6.65</b>	<b>Yes</b>	<b>15</b>	<b>7.275</b>	<b>0.2119</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003135</b>	<b>Param Intra 1 of 2</b>
pH (SU)	GWC-9	7.362	6.212	8/10/2021	6.91	No	13	6.787	0.2186	0	None	No	0.0003135	Param Intra 1 of 2
Sulfate (mg/L)	GWA-1	5.454	n/a	8/9/2021	4.7	No	13	4.79	0.2524	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWA-11	15.5	n/a	8/10/2021	11.2	No	13	12.58	1.108	0	None	No	0.0006269	Param Intra 1 of 2
<b>Sulfate (mg/L)</b>	<b>GWA-2</b>	<b>20.34</b>	<b>n/a</b>	<b>8/9/2021</b>	<b>23.2</b>	<b>Yes</b>	<b>13</b>	<b>14.94</b>	<b>2.053</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Sulfate (mg/L)	GWA-3	231.1	n/a	8/9/2021	93.3	No	13	131.7	37.85	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWA-4	348.3	n/a	8/9/2021	106	No	13	192.8	59.18	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-10	46.25	n/a	8/10/2021	14.9	No	14	4.162	1.026	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-18	14.99	n/a	8/10/2021	10.3	No	13	10.94	1.541	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-19	20.78	n/a	8/10/2021	17.8	No	13	16.18	1.748	0	None	No	0.0006269	Param Intra 1 of 2
<b>Sulfate (mg/L)</b>	<b>GWC-20</b>	<b>58.56</b>	<b>n/a</b>	<b>8/10/2021</b>	<b>66.4</b>	<b>Yes</b>	<b>18</b>	<b>35.78</b>	<b>9.504</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Sulfate (mg/L)	GWC-21	57.26	n/a	8/10/2021	23.8	No	13	30.96	10.01	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22	14	n/a	8/10/2021	6.2	No	13	7.792	2.363	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	43	n/a	8/10/2021	8	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Sulfate (mg/L)	GWC-5	159.3	n/a	8/10/2021	76.1	No	13	9.222	1.293	0	None	sqrt(x)	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-6	150.6	n/a	8/10/2021	95.9	No	17	109.2	17.06	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-7	189.7	n/a	8/10/2021	101	No	13	114.7	28.53	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-8	62.67	n/a	8/10/2021	31.6	No	13	42.48	7.682	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-9	85.53	n/a	8/10/2021	76.3	No	14	69.87	6.092	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-1	175.9	n/a	8/9/2021	96	No	13	105.2	26.93	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-11	186	n/a	8/10/2021	107	No	13	128.5	21.88	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-2	274.9	n/a	8/9/2021	245	No	13	220.5	20.67	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-3	682.3	n/a	8/9/2021	416	No	13	7.827	0.3714	0	None	x^(1/3)	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWA-4	772.9	n/a	8/9/2021	371	No	13	531.9	91.69	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-10	281.6	n/a	8/10/2021	185	No	13	184.1	37.09	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-18	427	n/a	8/10/2021	224	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-19	393	n/a	8/10/2021	209	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-20	306.2	n/a	8/10/2021	270	No	13	229.2	29.3	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-21	417.6	n/a	8/10/2021	121	No	15	203.2	85.29	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-22	324	n/a	8/10/2021	206	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Total Dissolved Solids (mg/L)	GWC-23	313.1	n/a	8/10/2021	178	No	13	197.3	44.03	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-5	520.9	n/a	8/10/2021	363	No	13	395	47.9	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-6	439.1	n/a	8/10/2021	318	No	15	333.5	42.03	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-7	369	n/a	8/10/2021	210	No	13	271.2	37.22	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-8	428.8	n/a	8/10/2021	425	No	15	269.7	63.28	0	None	No	0.0006269	Param Intra 1 of 2
Total Dissolved Solids (mg/L)	GWC-9	326	n/a	8/10/2021	208	No	13	235.2	34.54	0	None	No	0.0006269	Param Intra 1 of 2

Within Limit

Prediction Limit  
 Intrawell Non-parametric

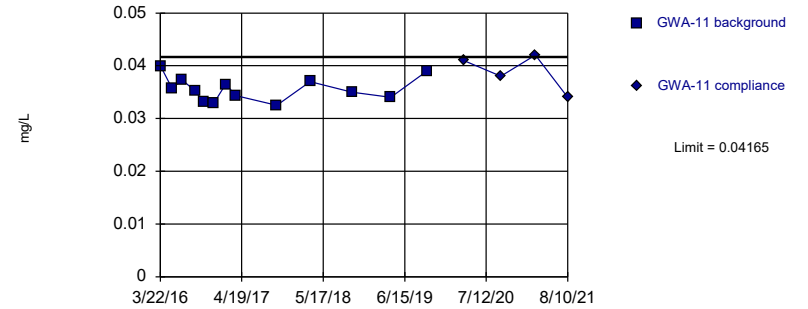


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 15.38% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

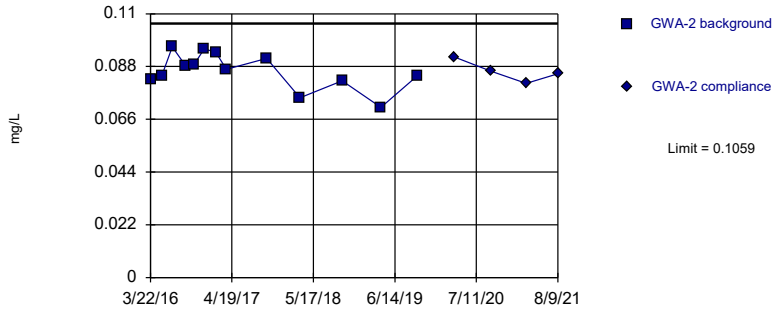


Background Data Summary: Mean=0.0356, Std. Dev.=0.002301, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9579, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

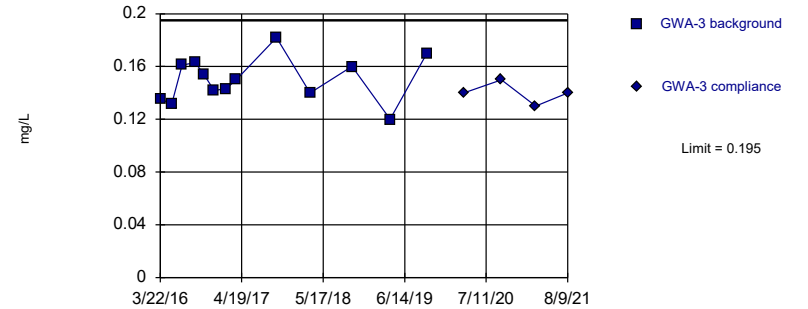


Background Data Summary: Mean=0.08618, Std. Dev.=0.007513, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.951, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

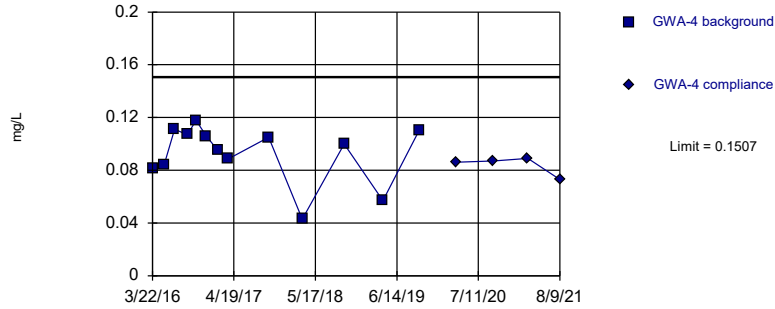


Background Data Summary: Mean=0.1502, Std. Dev.=0.01706, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9892, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

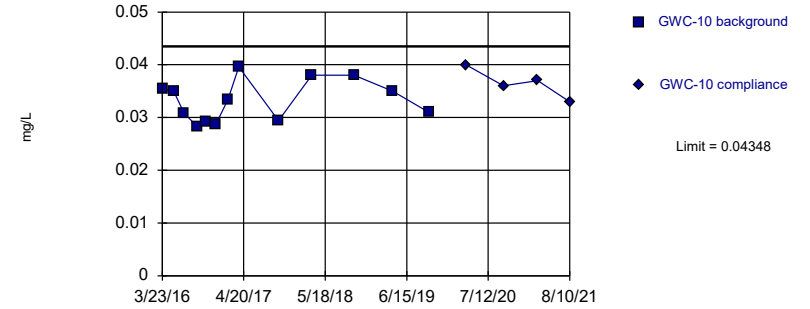


Background Data Summary: Mean=0.09276, Std. Dev.=0.02204, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8751, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

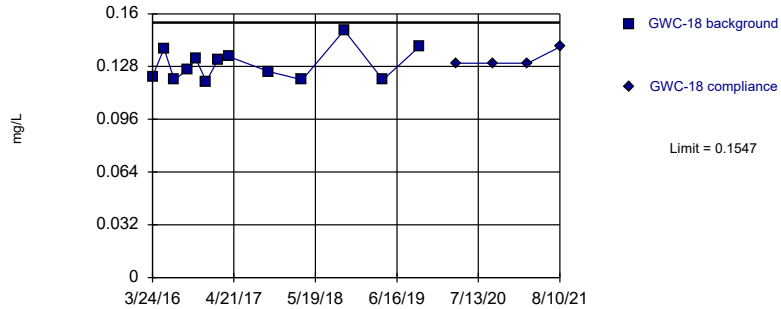


Background Data Summary: Mean=0.03321, Std. Dev.=0.003909, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.917, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

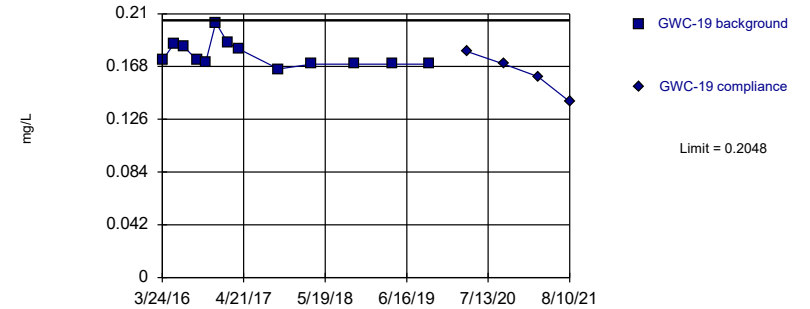


Background Data Summary: Mean=0.1292, Std. Dev.=0.009697, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8975, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

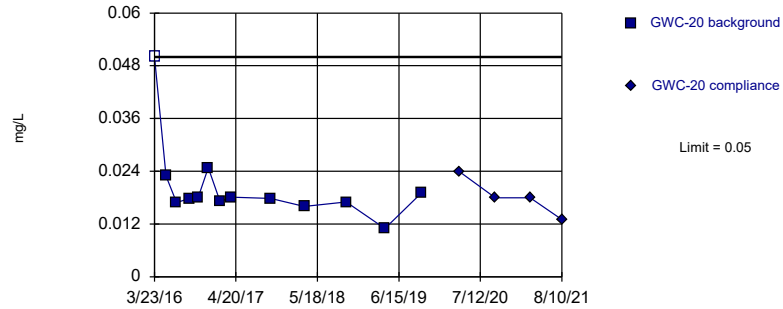


Background Data Summary: Mean=0.1773, Std. Dev.=0.01047, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8362, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

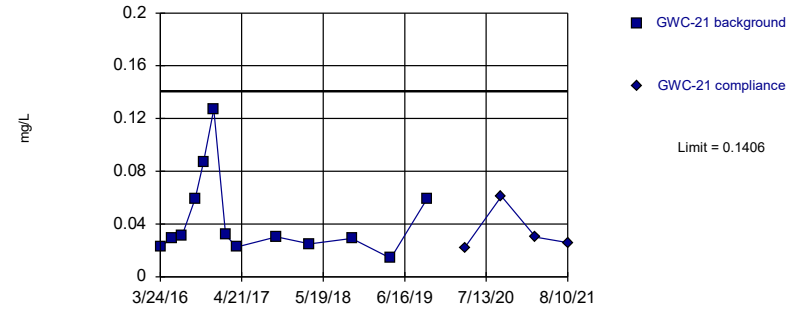


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 7.692% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

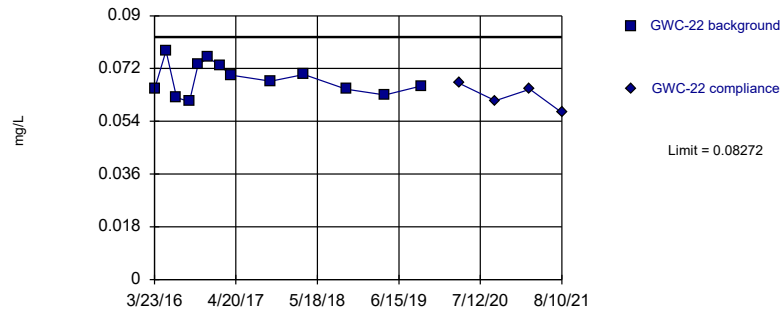


Background Data Summary (based on square root transformation): Mean=0.199, Std. Dev.=0.06698, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8469, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

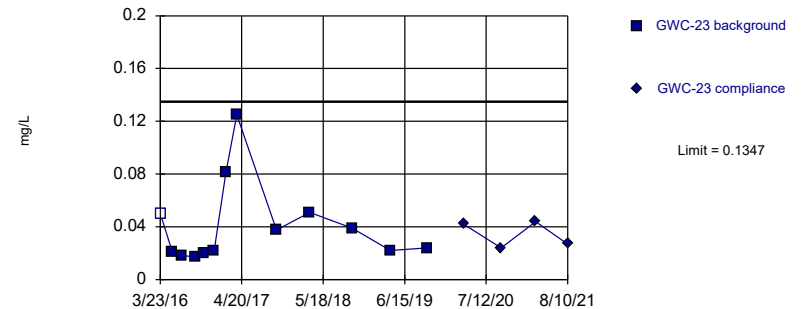


Background Data Summary: Mean=0.06841, Std. Dev.=0.005445, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9602, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

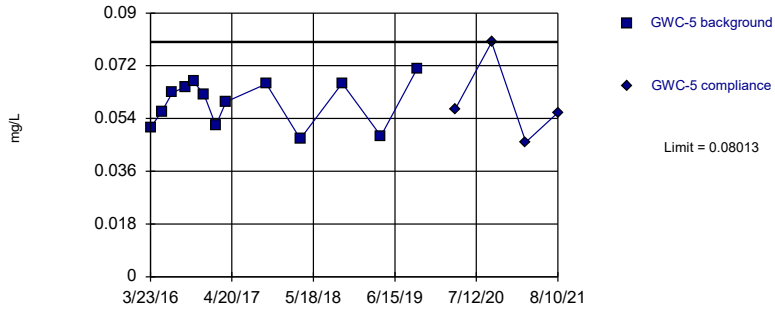


Background Data Summary (based on square root transformation): Mean=0.191, Std. Dev.=0.067, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8251, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

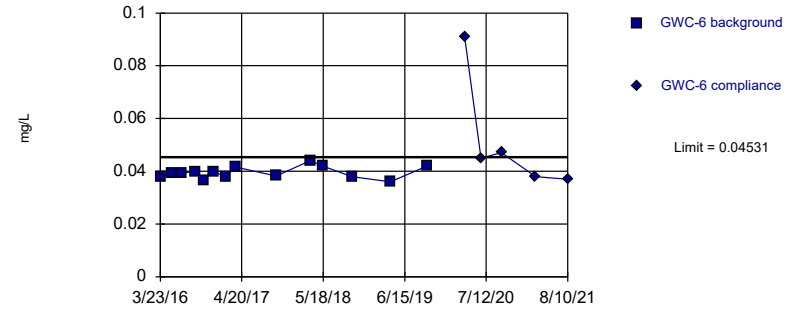


Background Data Summary: Mean=0.05944, Std. Dev.=0.007872, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9224, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

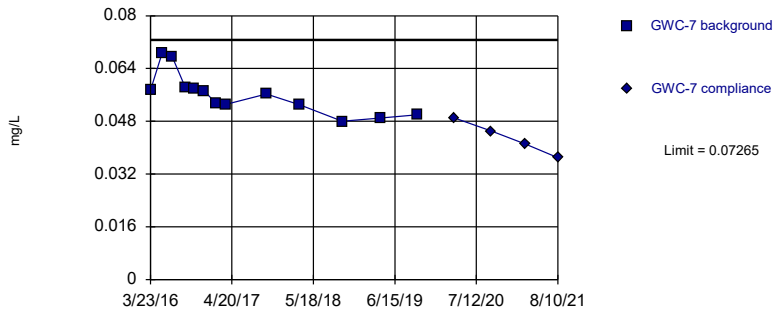


Background Data Summary: Mean=0.03949, Std. Dev.=0.002264, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9607, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

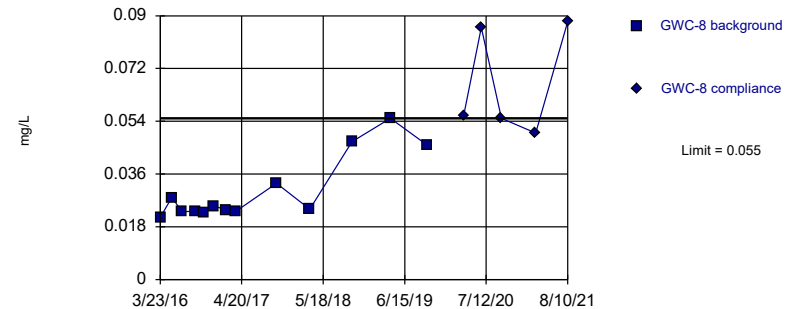


Background Data Summary: Mean=0.05612, Std. Dev.=0.006289, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8973, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

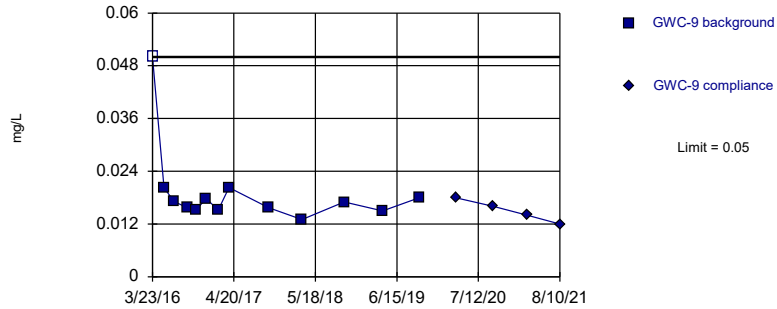


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

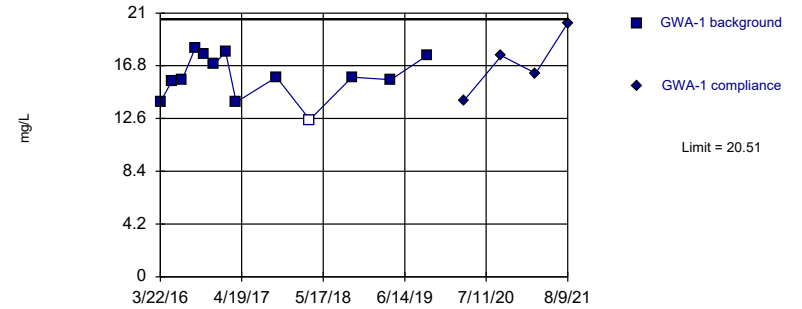


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 7.692% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

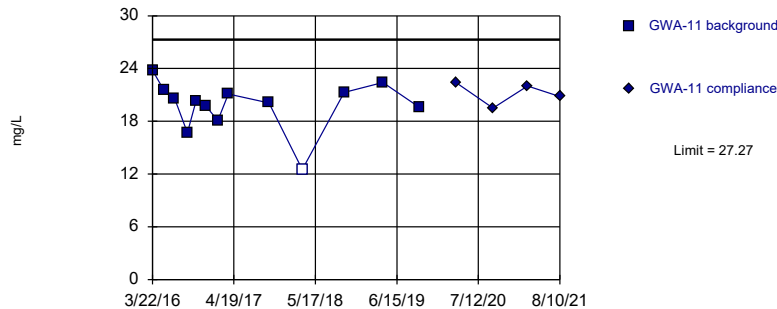


Background Data Summary: Mean=15.95, Std. Dev.=1.735, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

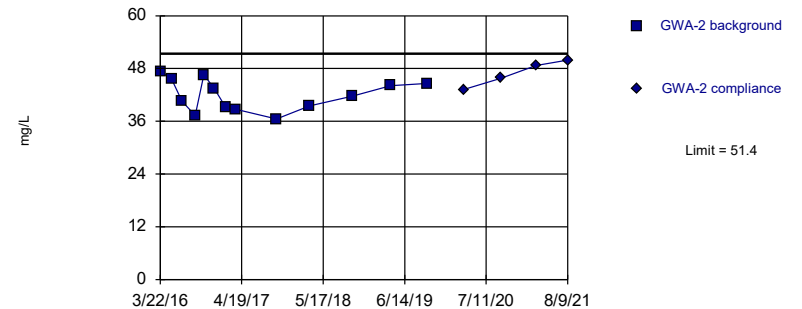


Background Data Summary: Mean=19.82, Std. Dev.=2.834, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.886, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

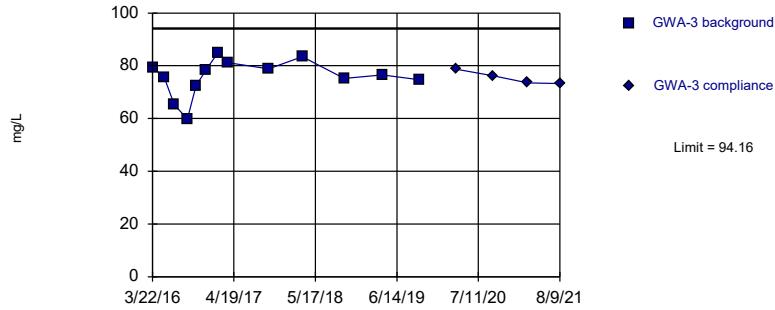


Background Data Summary: Mean=41.93, Std. Dev.=3.601, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9508, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

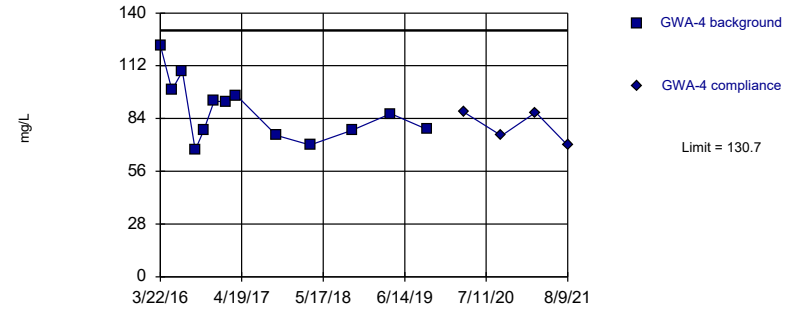


Background Data Summary: Mean=75.85, Std. Dev.=6.964, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9097, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

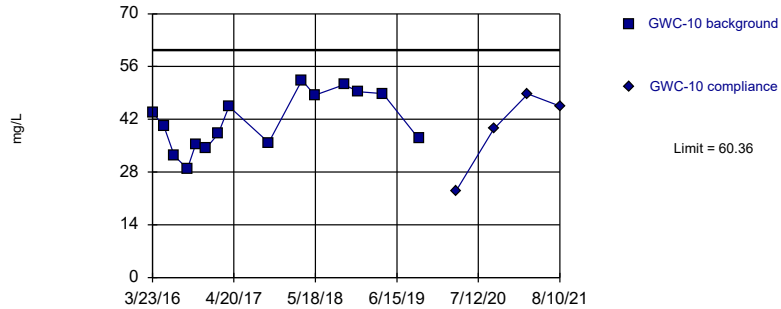


Background Data Summary: Mean=88.18, Std. Dev.=16.18, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9408, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

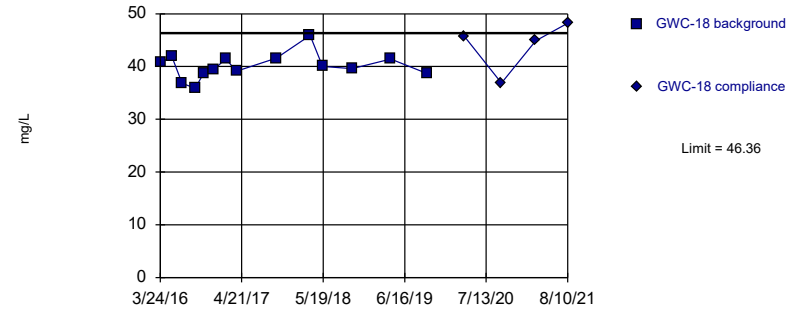


Background Data Summary: Mean=41.41, Std. Dev.=7.541, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9378, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

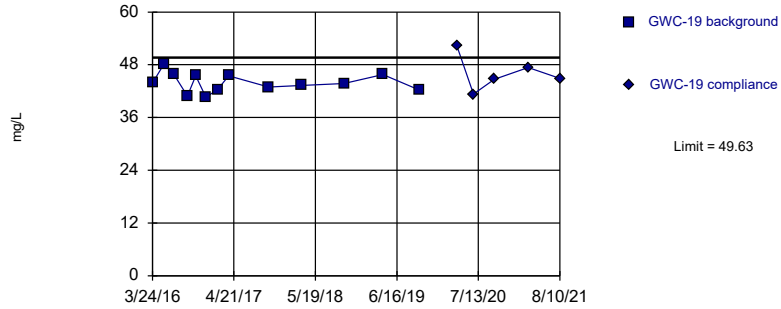


Background Data Summary: Mean=40.09, Std. Dev.=2.439, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9453, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

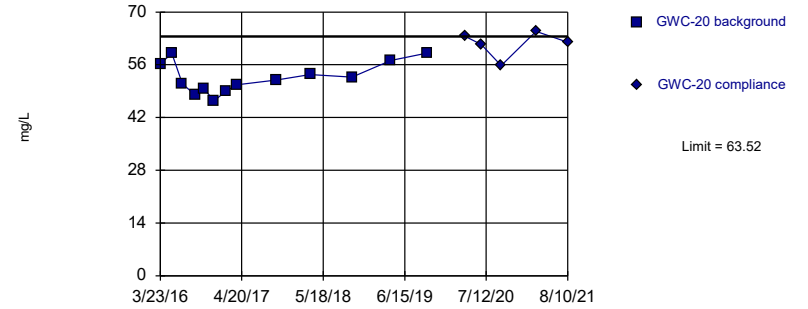


Background Data Summary: Mean=43.91, Std. Dev.=2.178, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9602, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

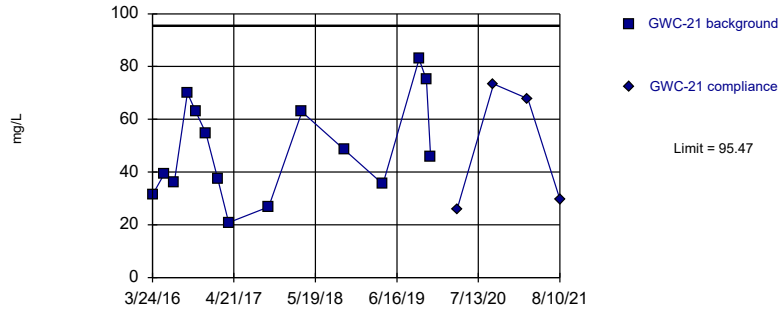


Background Data Summary: Mean=52.64, Std. Dev.=4.139, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9448, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

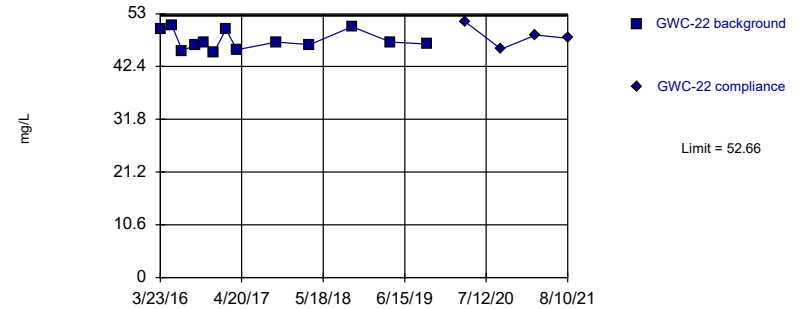


Background Data Summary: Mean=48.65, Std. Dev.=18.63, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9559, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



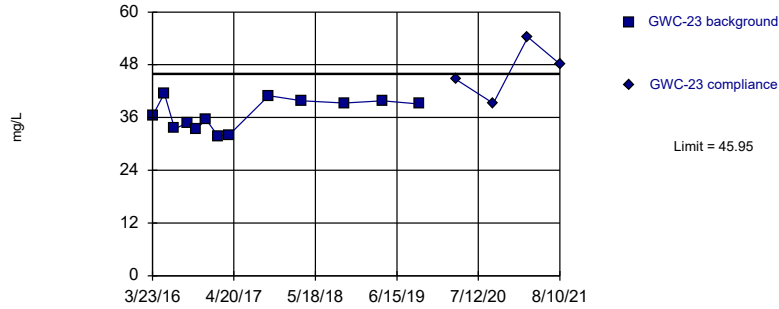
Background Data Summary: Mean=47.68, Std. Dev.=1.891, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8721, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Exceeds Limit

Prediction Limit  
Intrawell Parametric

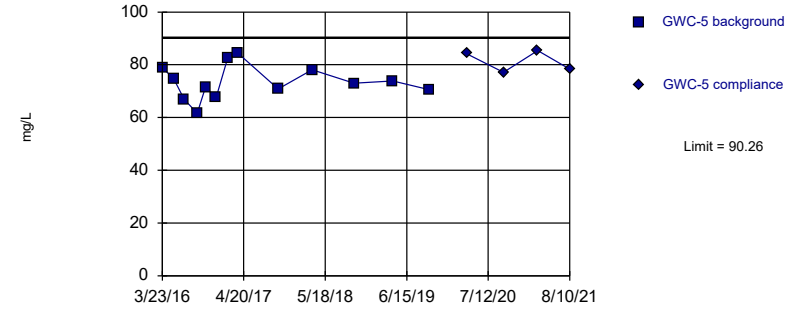


Background Data Summary: Mean=36.75, Std. Dev.=3.5, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9096, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

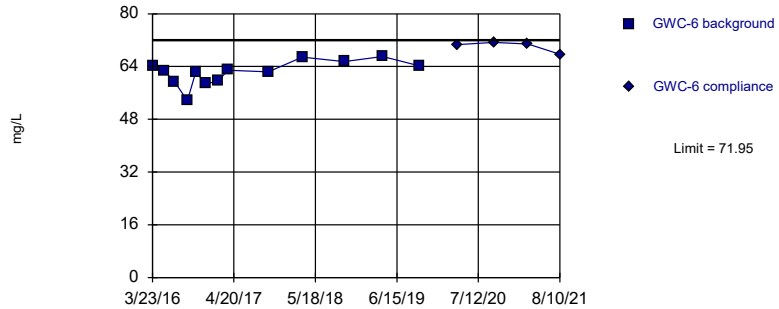


Background Data Summary: Mean=73.43, Std. Dev.=6.404, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9816, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

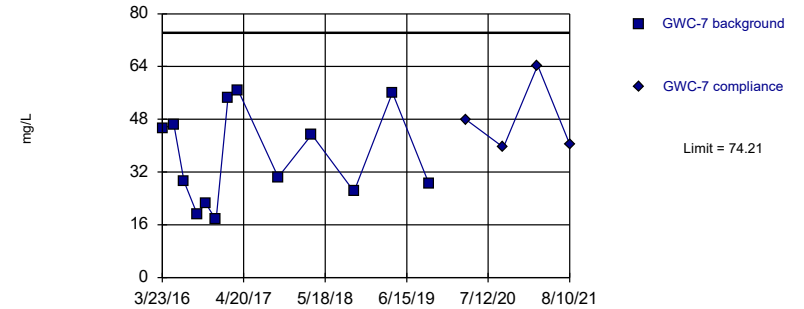


Background Data Summary: Mean=62.28, Std. Dev.=3.678, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9288, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

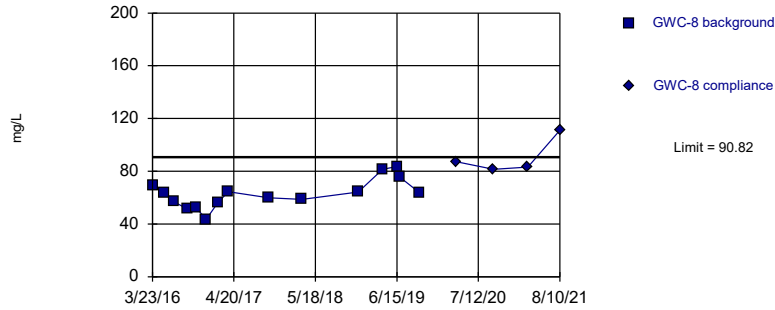


Background Data Summary: Mean=36.61, Std. Dev.=14.31, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9027, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

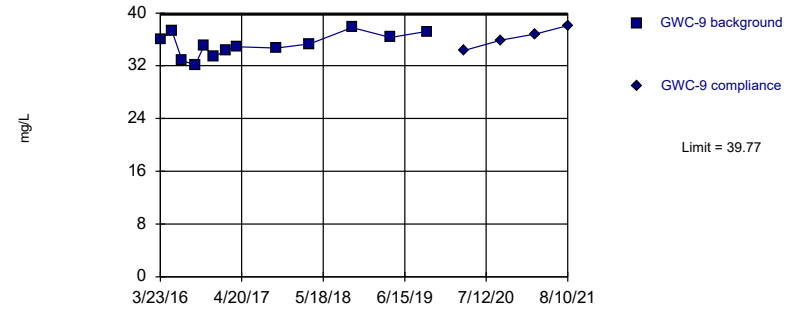


Background Data Summary: Mean=63.08, Std. Dev.=11.04, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9599, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

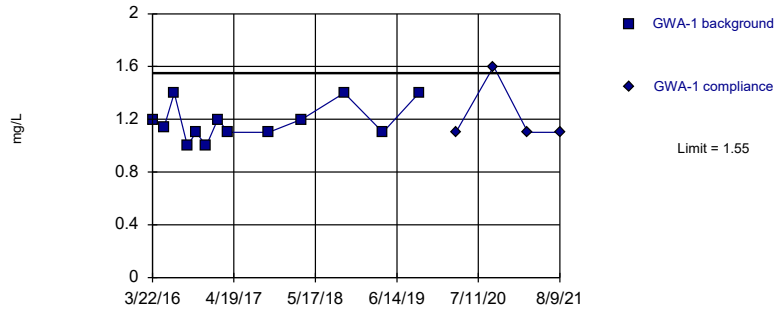


Background Data Summary: Mean=35.16, Std. Dev.=1.751, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9693, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

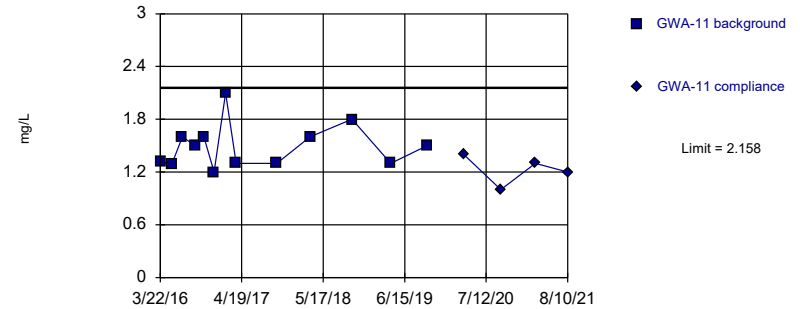


Background Data Summary: Mean=1.179, Std. Dev.=0.1409, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8609, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

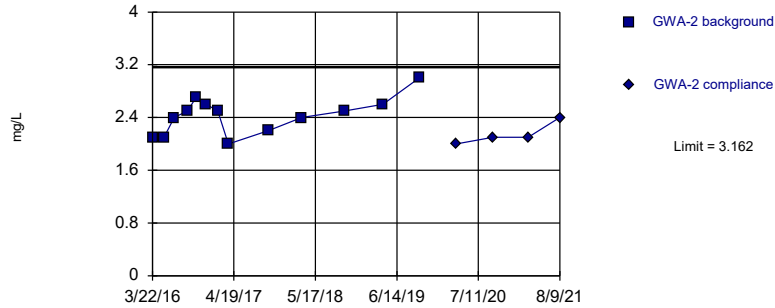


Background Data Summary: Mean=1.493, Std. Dev.=0.253, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8721, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

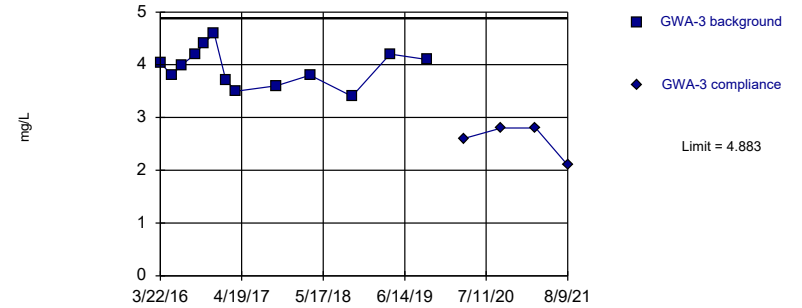


Background Data Summary: Mean=2.431, Std. Dev.=0.2783, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9538, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

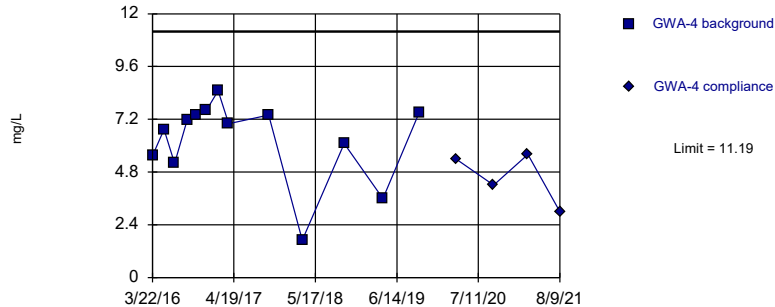


Background Data Summary: Mean=3.95, Std. Dev.=0.3552, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9788, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

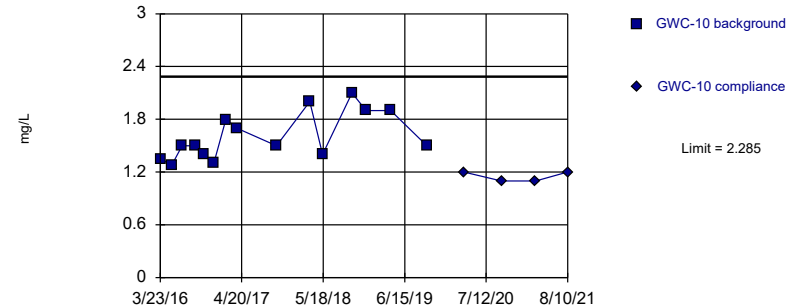


Background Data Summary: Mean=6.268, Std. Dev.=1.874, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.858, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

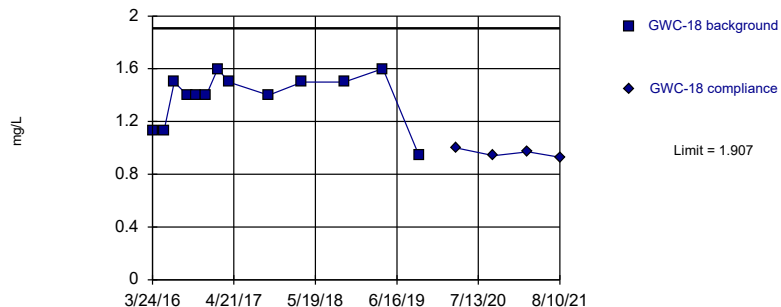


Background Data Summary: Mean=1.609, Std. Dev.=0.269, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9026, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

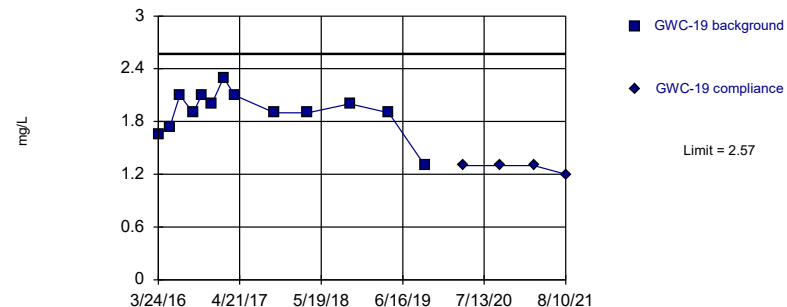


Background Data Summary: Mean=1.385, Std. Dev.=0.1987, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8442, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

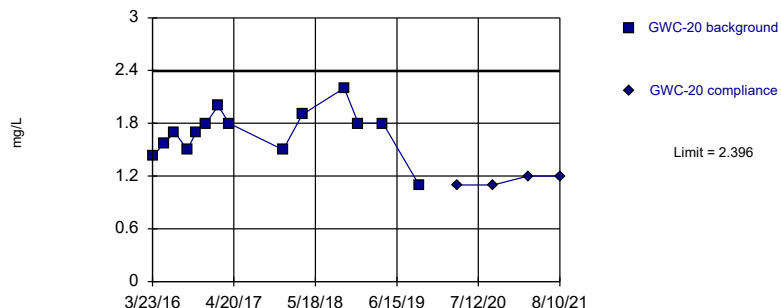


Background Data Summary: Mean=1.915, Std. Dev.=0.2492, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9085, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

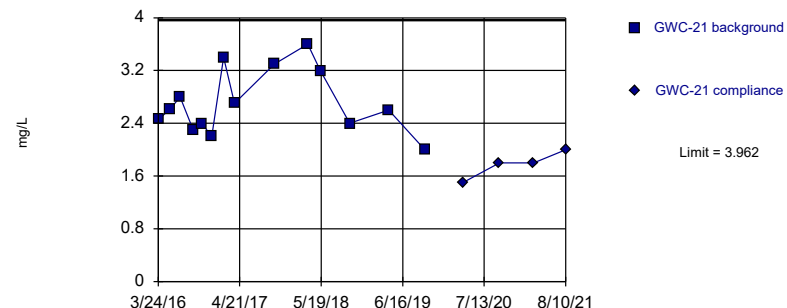


Background Data Summary: Mean=1.7, Std. Dev.=0.2708, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9657, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

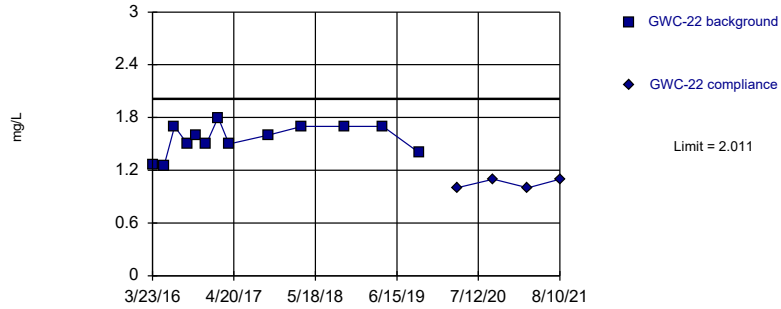


Background Data Summary: Mean=2.712, Std. Dev.=0.4862, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9357, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

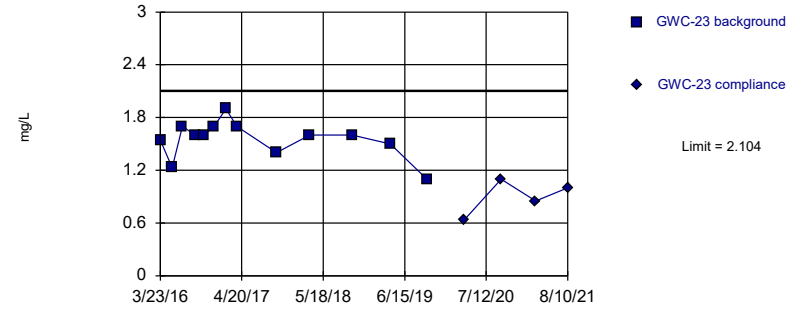


Background Data Summary: Mean=1.555, Std. Dev.=0.1736, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9146, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

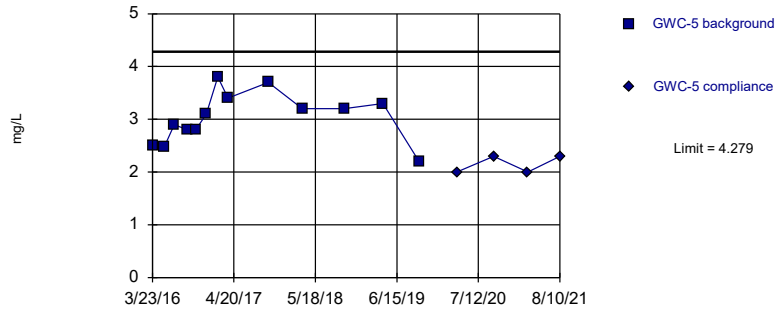


Background Data Summary: Mean=1.552, Std. Dev.=0.2101, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9193, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

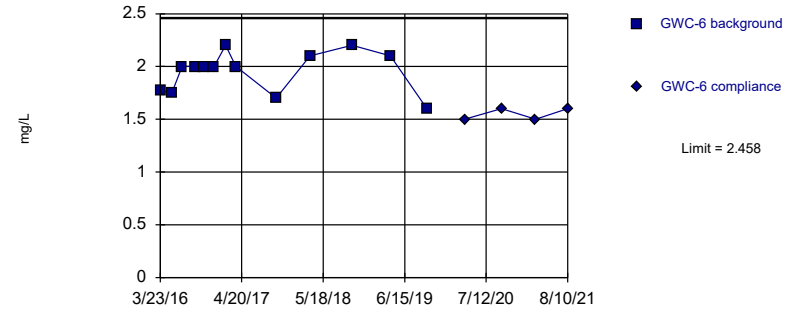


Background Data Summary: Mean=3.029, Std. Dev.=0.4757, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9758, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

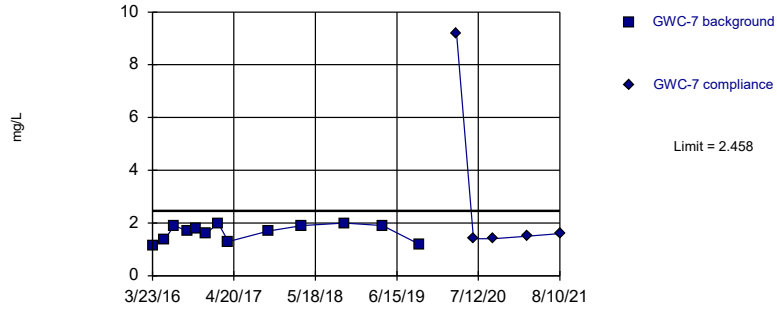


Background Data Summary: Mean=1.955, Std. Dev.=0.1913, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8991, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

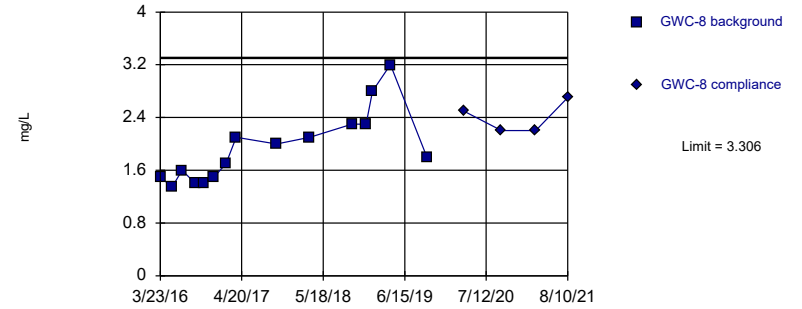


Background Data Summary: Mean=1.654, Std. Dev.=0.3056, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8832, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

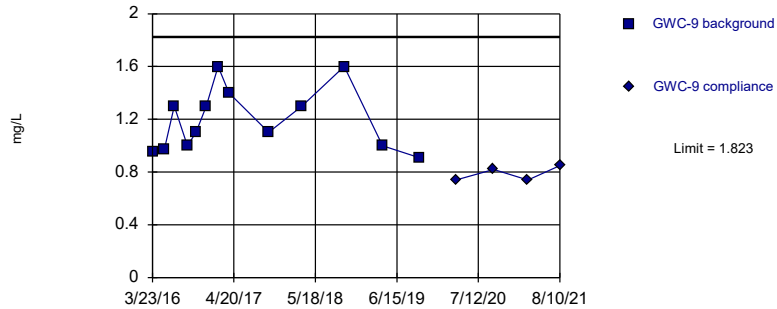


Background Data Summary: Mean=1.936, Std. Dev.=0.545, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8956, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



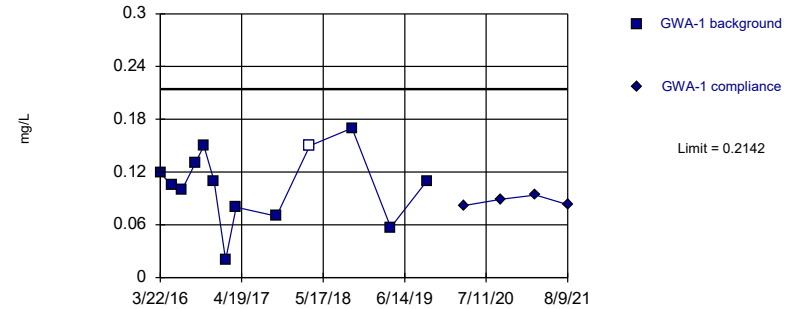
Background Data Summary: Mean=1.195, Std. Dev.=0.239, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8925, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Parametric

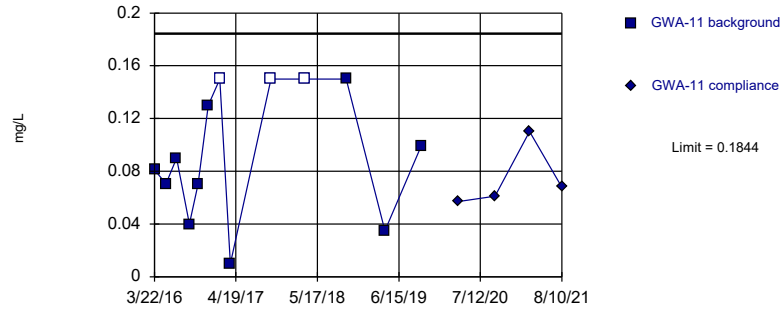


Background Data Summary: Mean=0.1055, Std. Dev.=0.04138, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9745, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

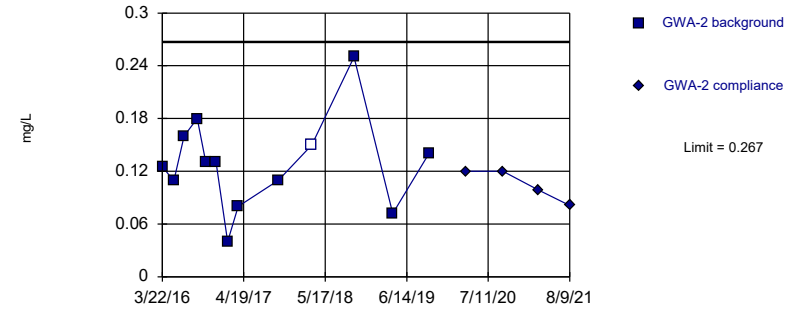


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.07757, Std. Dev.=0.04064, n=13, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.905, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

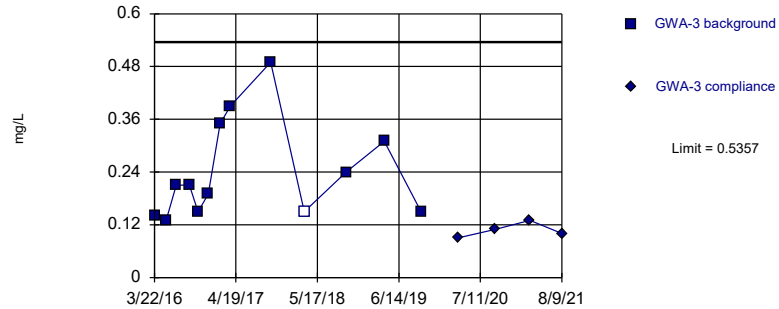


Background Data Summary: Mean=0.1289, Std. Dev.=0.05253, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.96, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

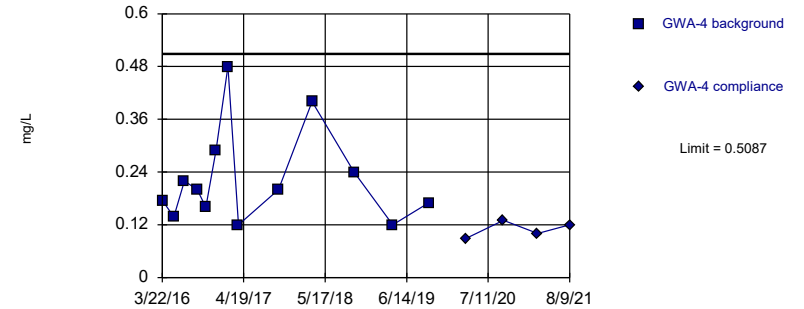


Background Data Summary: Mean=0.2393, Std. Dev.=0.1127, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8611, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

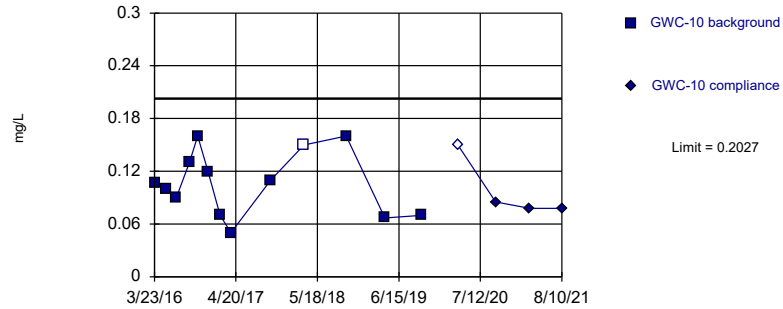


Background Data Summary: Mean=0.2241, Std. Dev.=0.1082, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8369, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

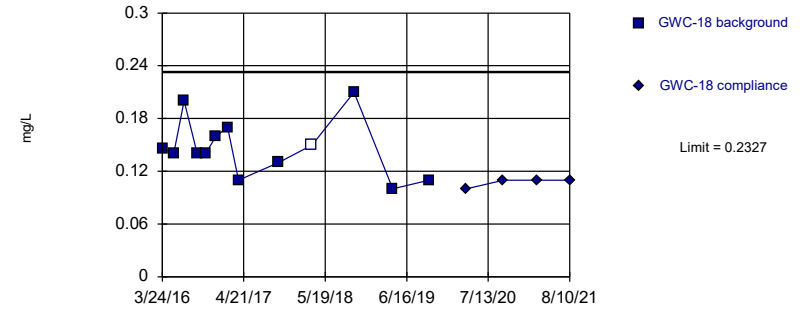


Background Data Summary: Mean=0.1064, Std. Dev.=0.03664, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9437, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

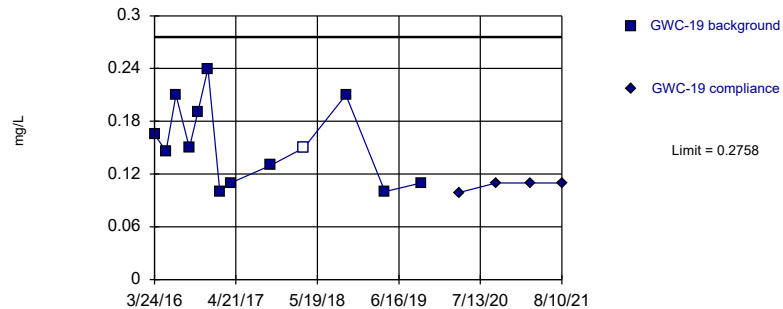


Background Data Summary: Mean=0.1467, Std. Dev.=0.03273, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9391, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:07 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

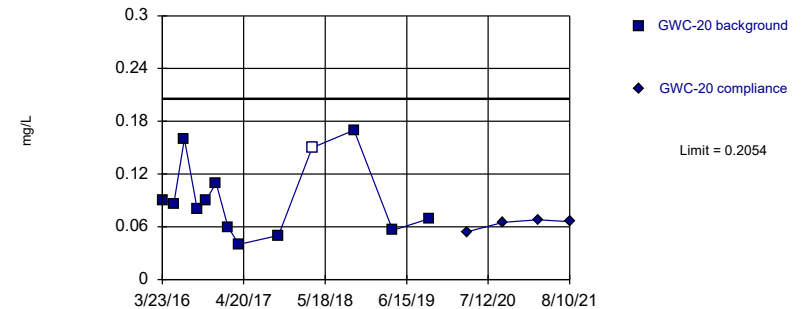


Background Data Summary: Mean=0.1547, Std. Dev.=0.04606, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.925, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



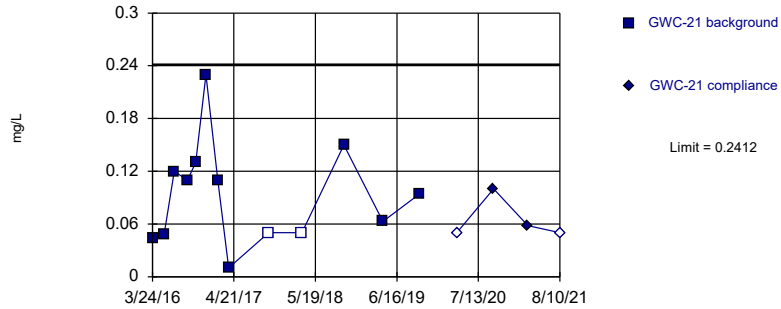
Background Data Summary: Mean=0.09322, Std. Dev.=0.0427, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9005, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

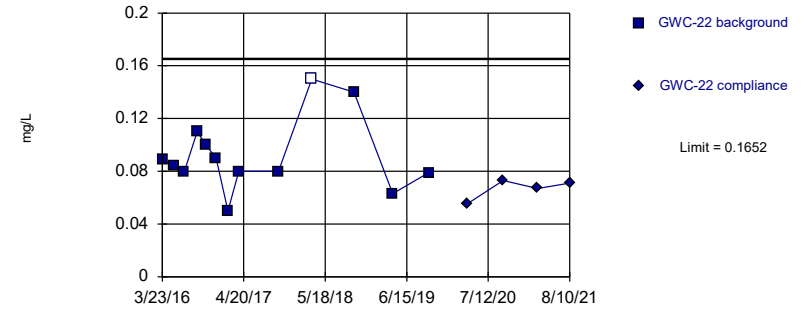


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.08881, Std. Dev.=0.05798, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9264, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

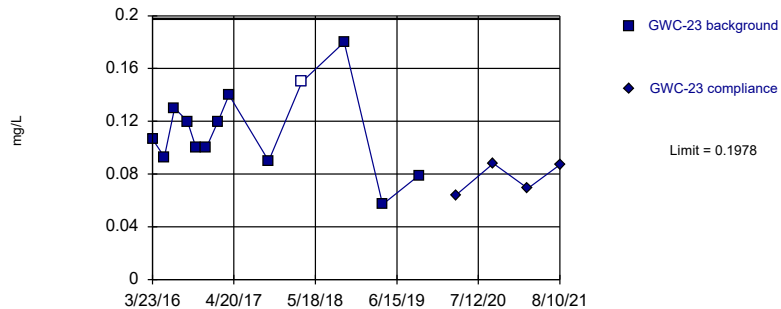


Background Data Summary: Mean=0.09188, Std. Dev.=0.0279, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.899, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

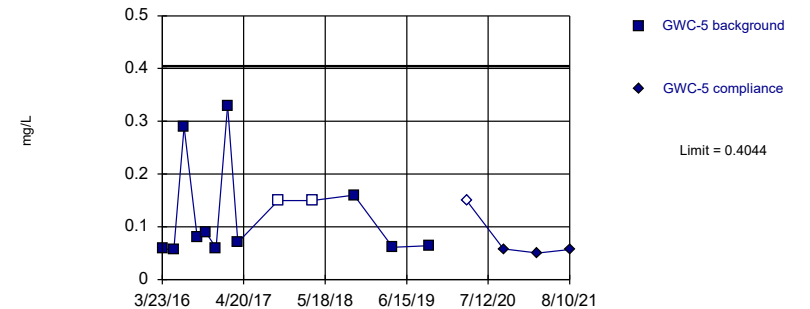


Background Data Summary: Mean=0.1127, Std. Dev.=0.03238, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9828, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

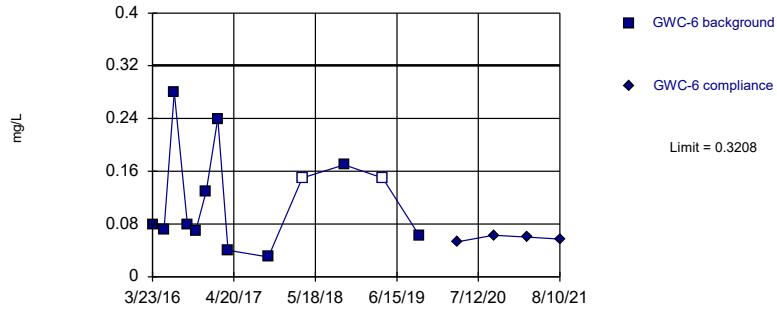


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.4643, Std. Dev.=0.1047, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8202, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

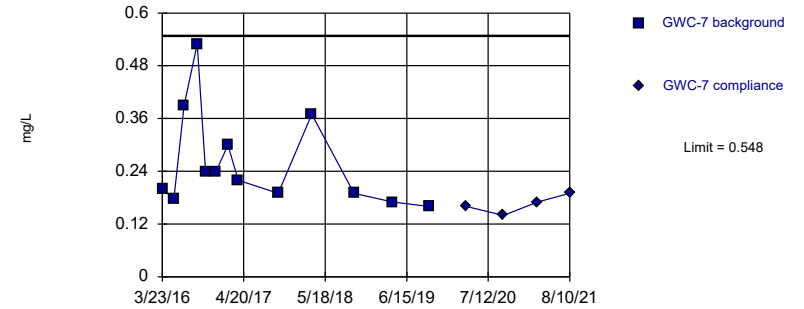


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.1139, Std. Dev.=0.07868, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8986, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

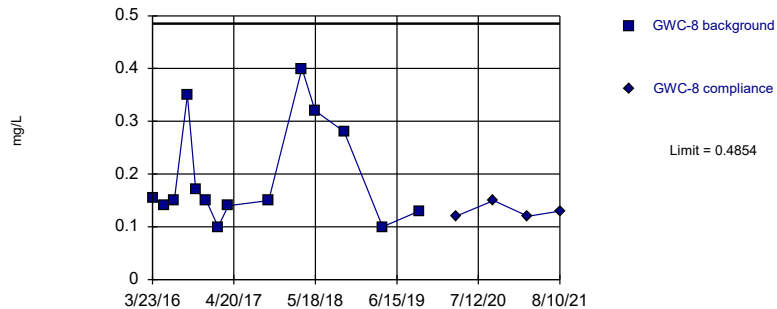


Background Data Summary: Mean=0.2598, Std. Dev.=0.1097, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8224, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

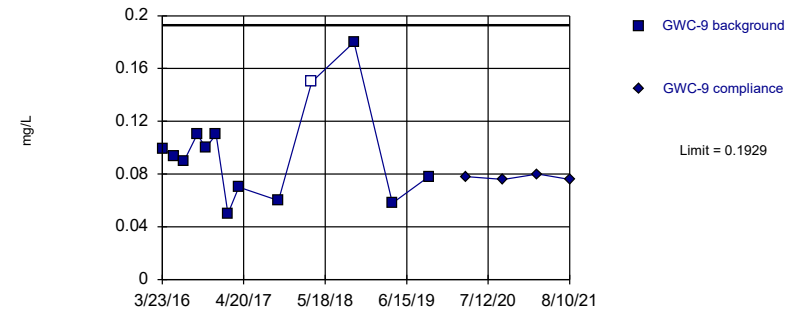


Background Data Summary (based on square root transformation): Mean=0.4306, Std. Dev.=0.1035, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.833, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

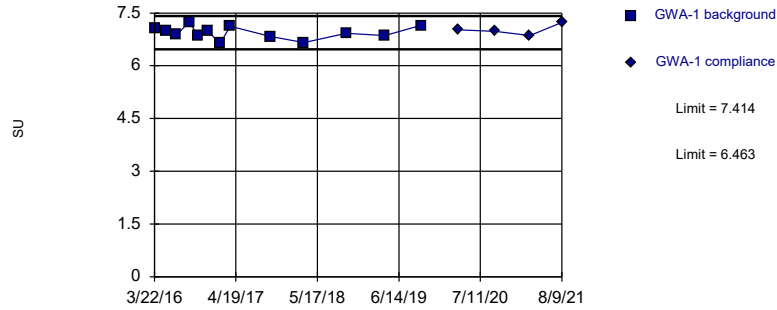


Background Data Summary: Mean=0.09607, Std. Dev.=0.03684, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9147, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

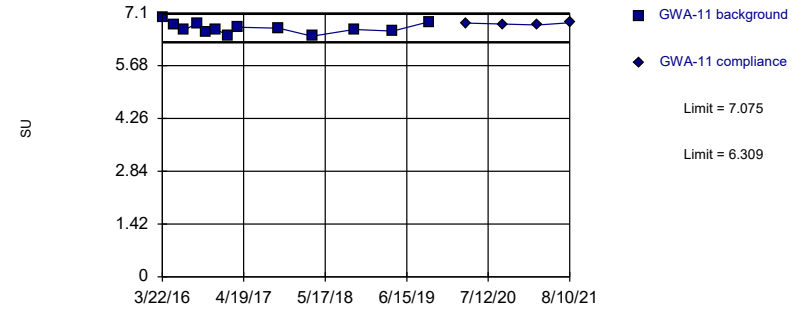


Background Data Summary: Mean=6.938, Std. Dev.=0.1807, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9693, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

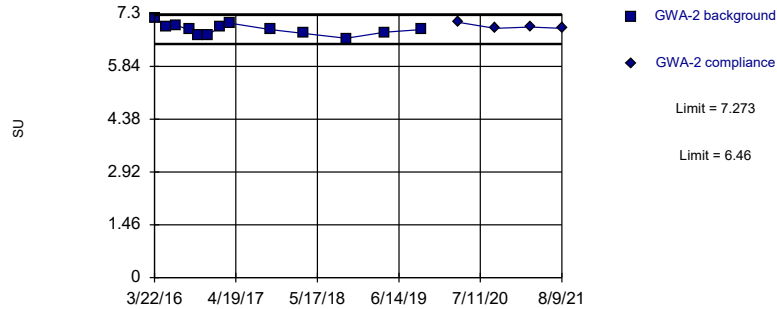


Background Data Summary: Mean=6.692, Std. Dev.=0.1457, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9669, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

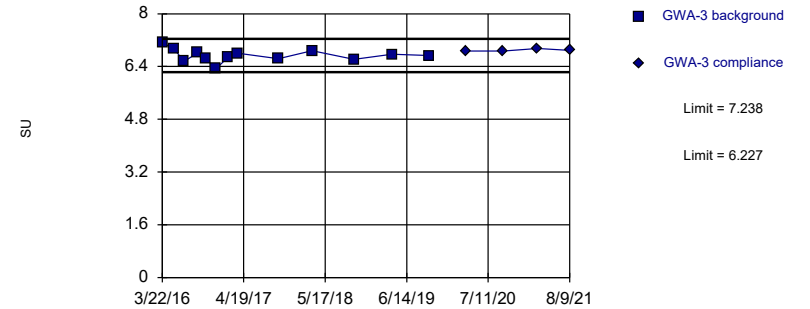


Background Data Summary: Mean=6.867, Std. Dev.=0.1547, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

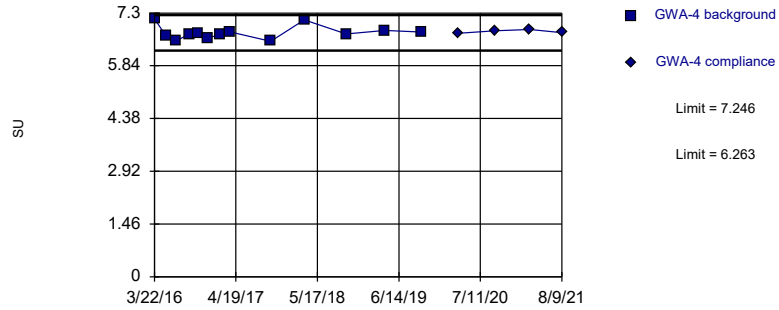


Background Data Summary: Mean=6.732, Std. Dev.=0.1922, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9818, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

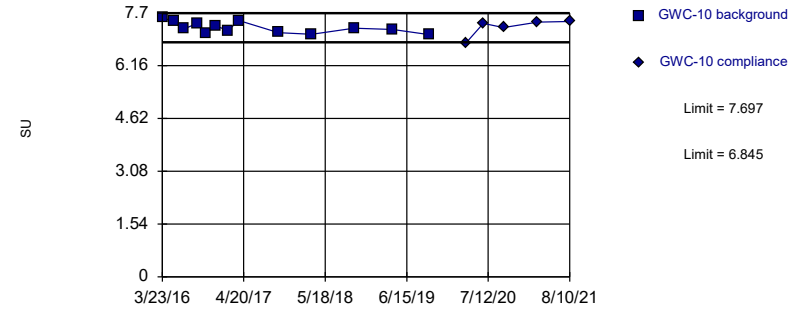


Background Data Summary: Mean=6.755, Std. Dev.=0.1869, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.862, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

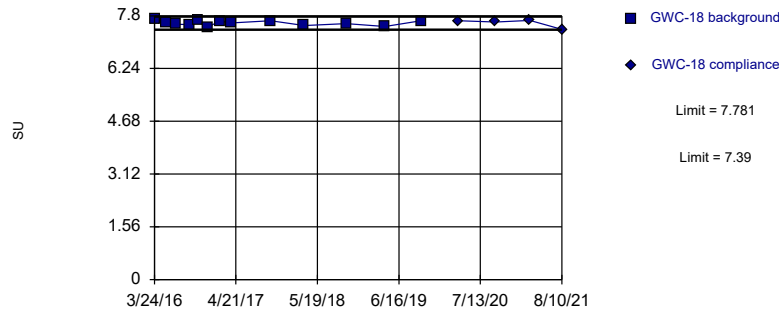


Background Data Summary: Mean=7.271, Std. Dev.=0.162, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9348, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

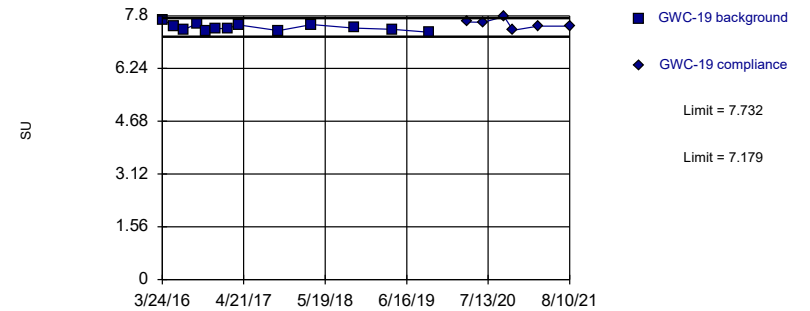


Background Data Summary: Mean=7.585, Std. Dev.=0.07423, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9602, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

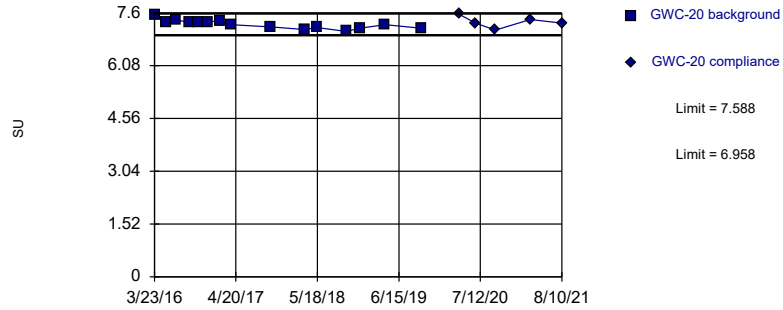


Background Data Summary: Mean=7.455, Std. Dev.=0.1052, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9485, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

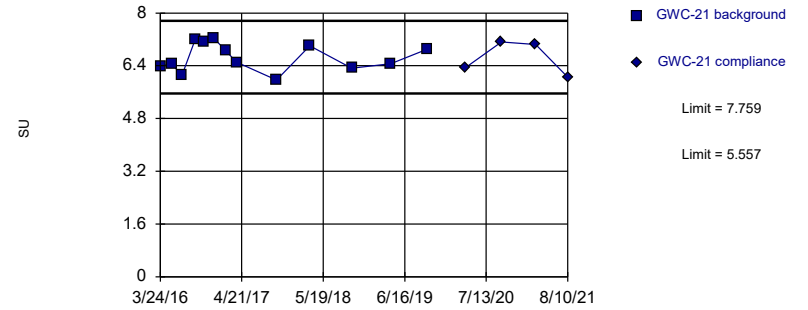


Background Data Summary: Mean=7.273, Std. Dev.=0.1253, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9587, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

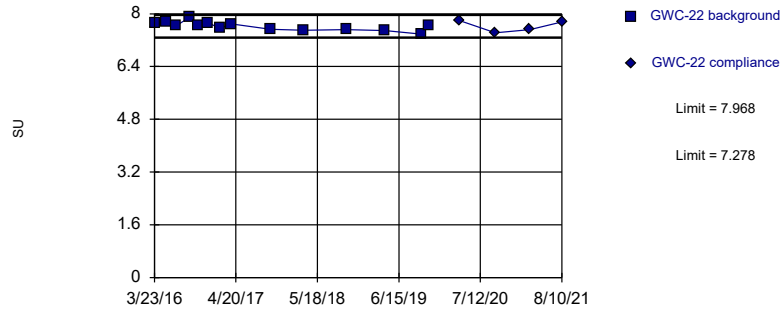


Background Data Summary: Mean=6.658, Std. Dev.=0.4189, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9363, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

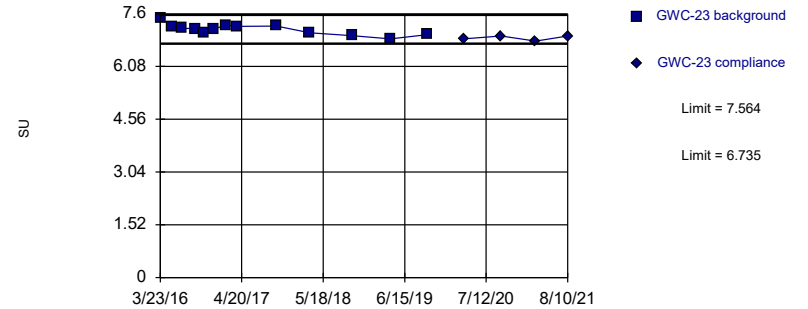


Background Data Summary: Mean=7.623, Std. Dev.=0.1341, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9786, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

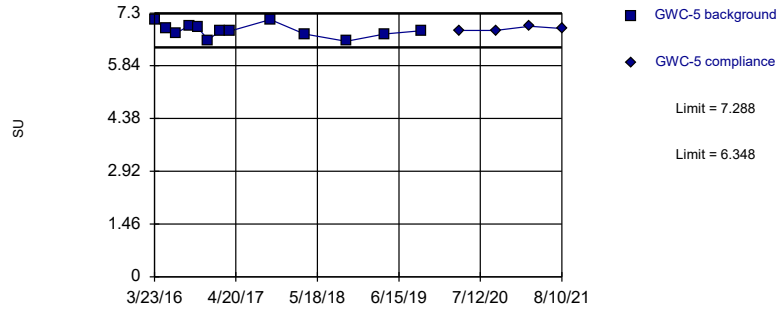


Background Data Summary: Mean=7.149, Std. Dev.=0.1578, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9618, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

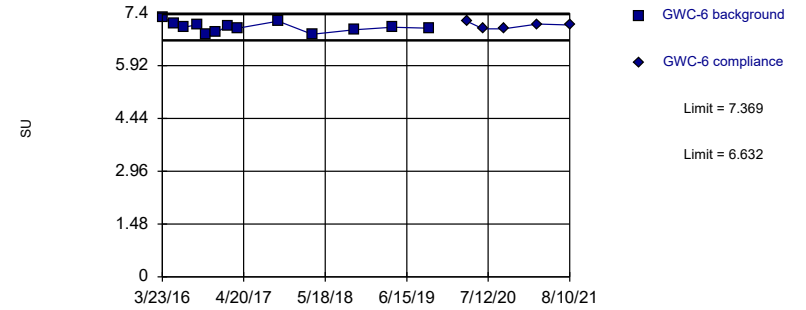


Background Data Summary: Mean=6.818, Std. Dev.=0.1788, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9555, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

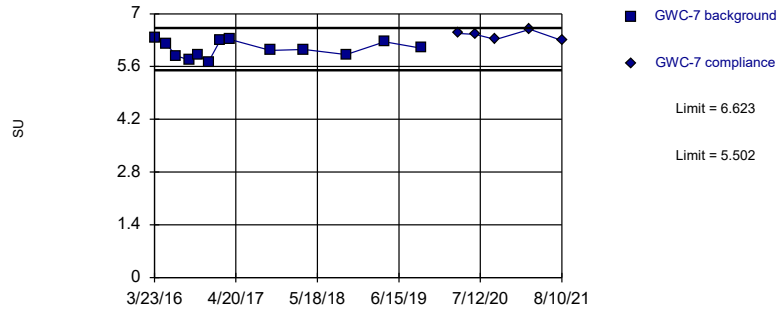


Background Data Summary: Mean=7.001, Std. Dev.=0.1401, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.965, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

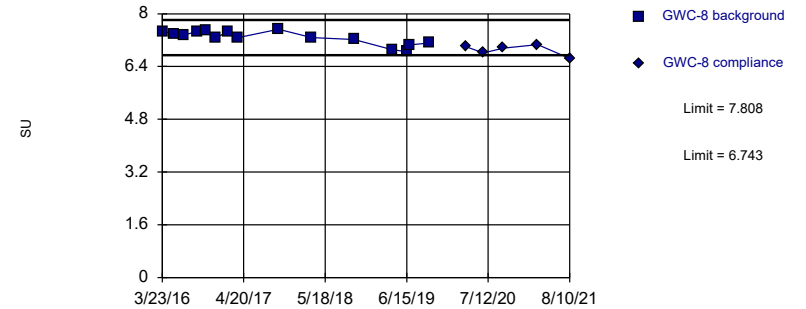


Background Data Summary: Mean=6.062, Std. Dev.=0.2132, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9398, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limits

Prediction Limit  
Intrawell Parametric

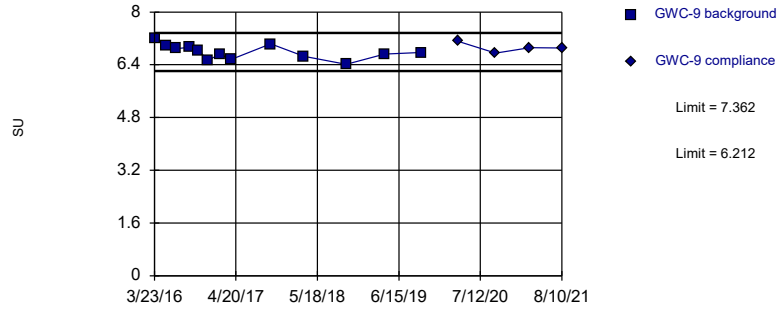


Background Data Summary: Mean=7.275, Std. Dev.=0.2119, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9103, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

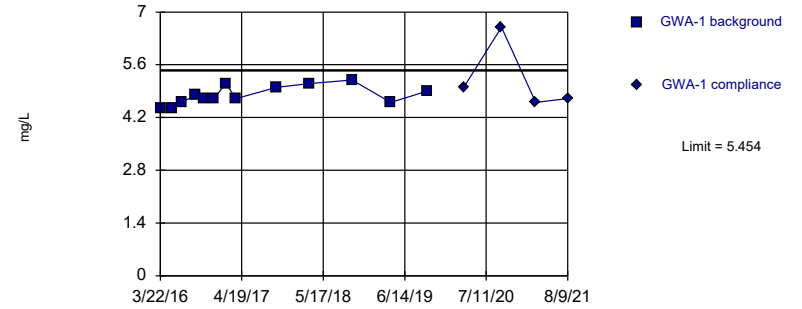


Background Data Summary: Mean=6.787, Std. Dev.=0.2186, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9914, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

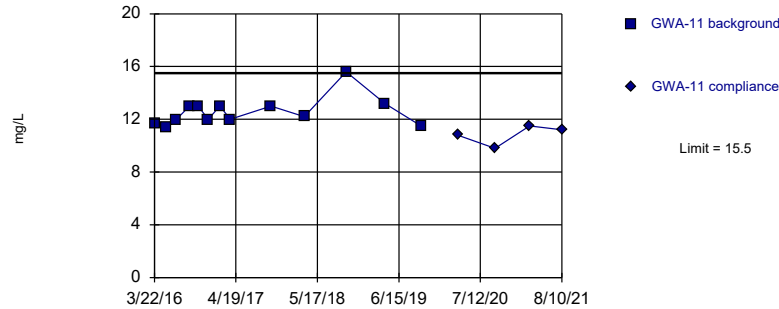


Background Data Summary: Mean=4.79, Std. Dev.=0.2524, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

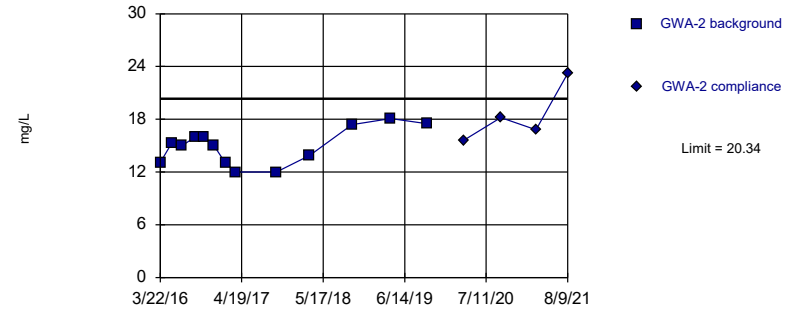


Background Data Summary: Mean=12.58, Std. Dev.=1.108, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8167, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

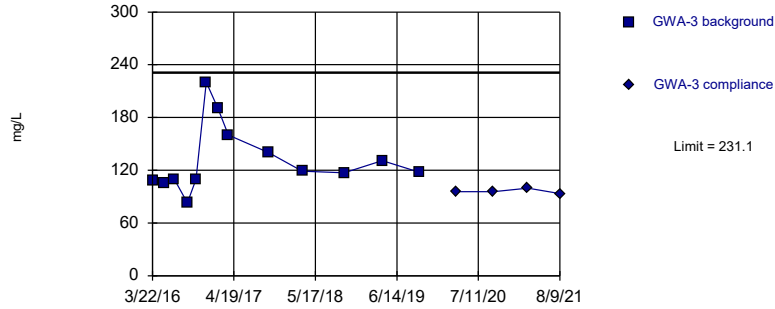


Background Data Summary: Mean=14.94, Std. Dev.=2.053, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9427, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

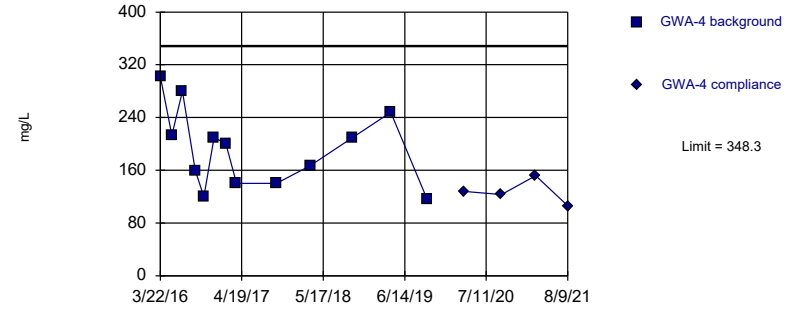


Background Data Summary: Mean=131.7, Std. Dev.=37.85, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8594, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

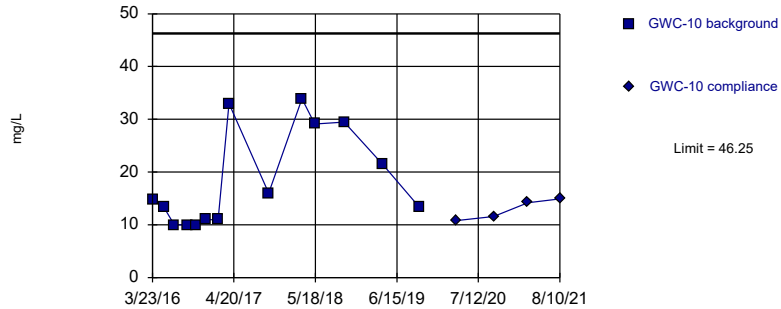


Background Data Summary: Mean=192.8, Std. Dev.=59.18, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9402, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

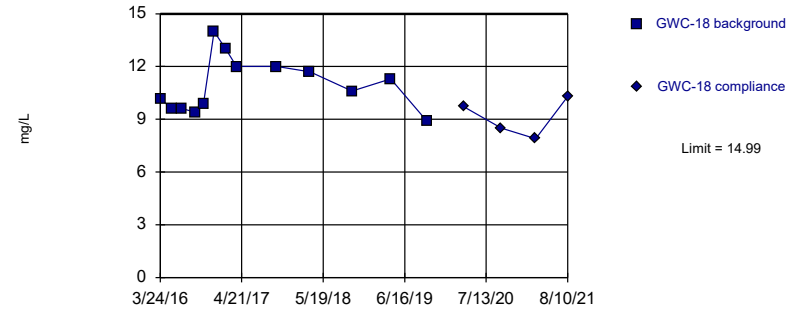


Background Data Summary (based on square root transformation): Mean=4.162, Std. Dev.=1.026, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8337, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



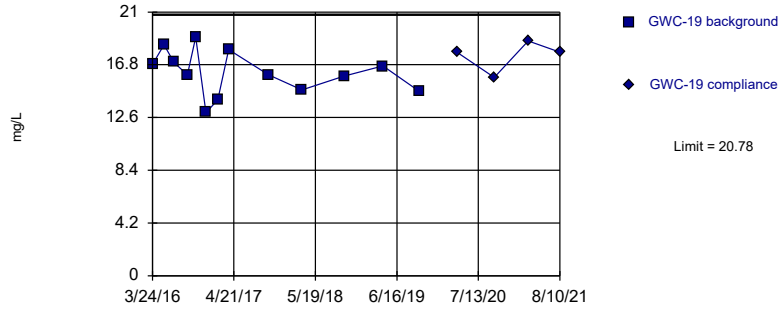
Background Data Summary: Mean=10.94, Std. Dev.=1.541, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9417, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

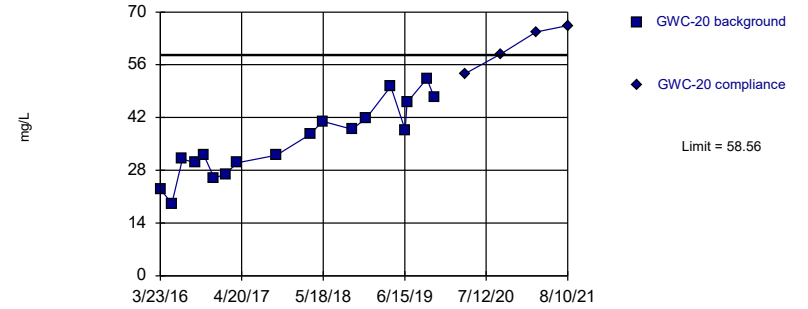


Background Data Summary: Mean=16.18, Std. Dev.=1.748, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9787, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

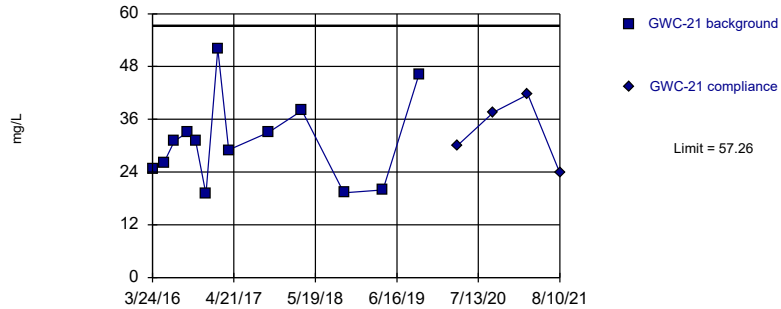


Background Data Summary: Mean=35.78, Std. Dev.=9.504, n=18. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9715, critical = 0.858. Kappa = 2.397 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

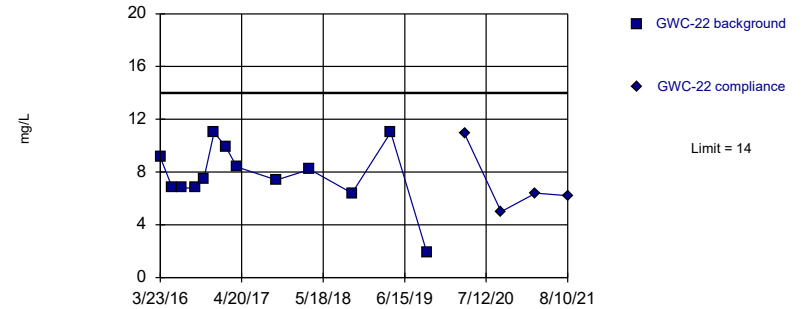


Background Data Summary: Mean=30.96, Std. Dev.=10.01, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9219, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

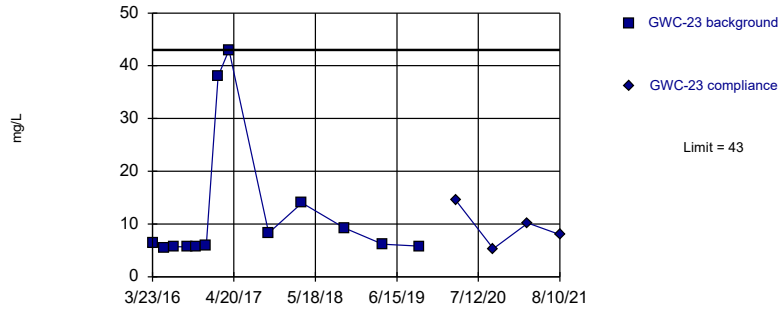


Background Data Summary: Mean=7.792, Std. Dev.=2.363, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8985, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

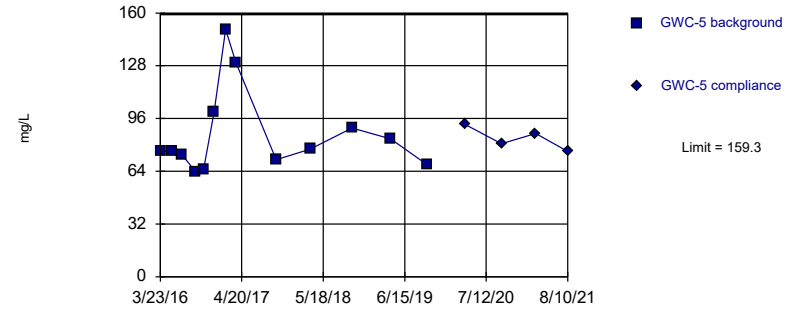


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

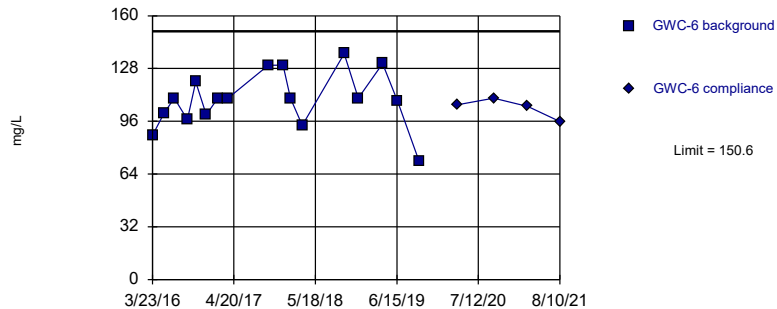


Background Data Summary (based on square root transformation): Mean=9.222, Std. Dev.=1.293, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8196, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

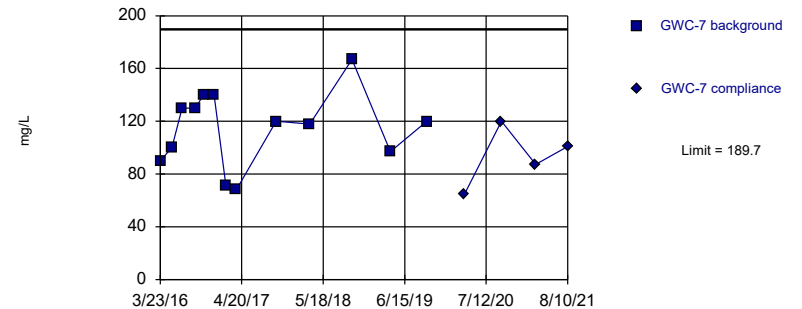


Background Data Summary: Mean=109.2, Std. Dev.=17.06, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9548, critical = 0.851. Kappa = 2.427 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

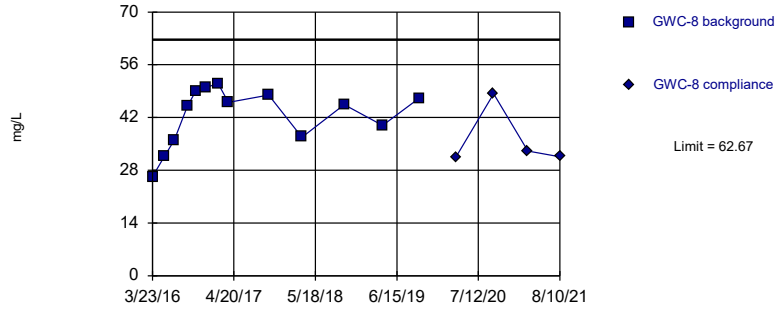


Background Data Summary: Mean=114.7, Std. Dev.=28.53, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9639, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

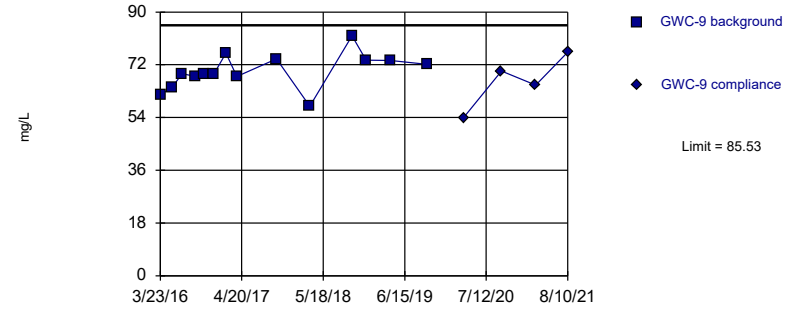


Background Data Summary: Mean=42.48, Std. Dev.=7.682, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.896, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

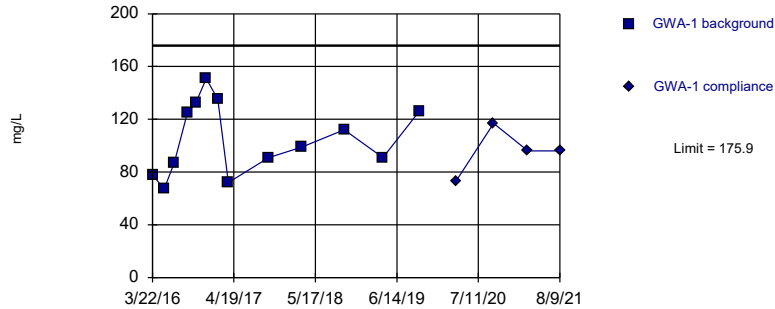


Background Data Summary: Mean=69.87, Std. Dev.=6.092, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.973, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

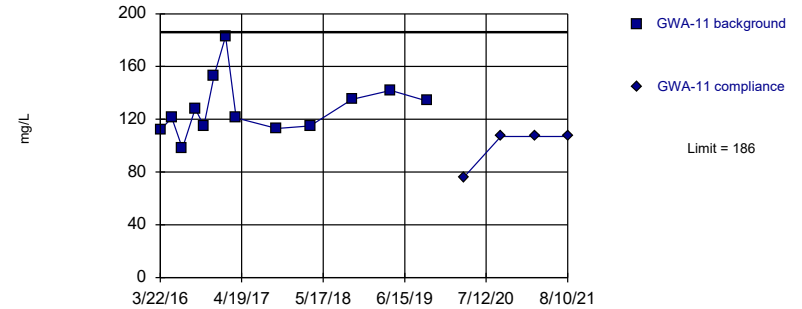


Background Data Summary: Mean=105.2, Std. Dev.=26.93, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9463, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

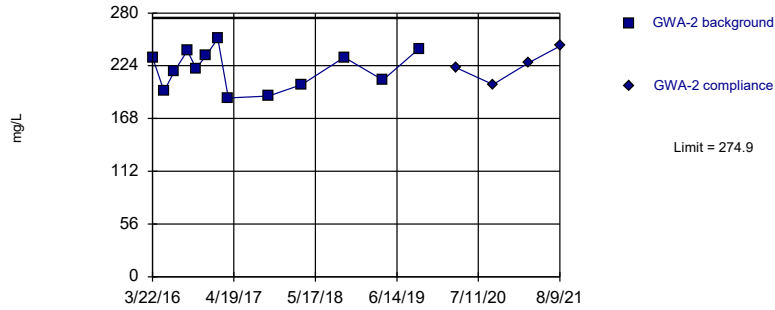


Background Data Summary: Mean=128.5, Std. Dev.=21.88, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

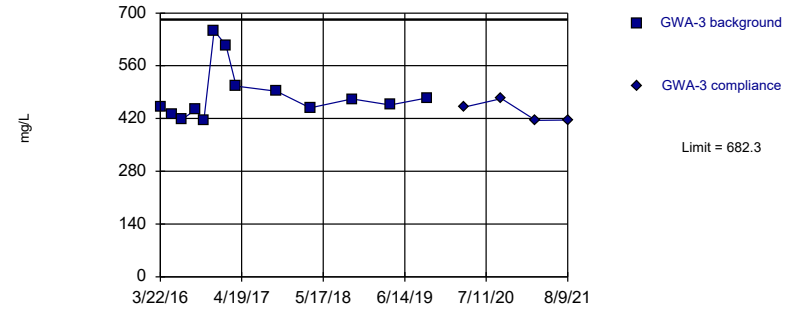


Background Data Summary: Mean=220.5, Std. Dev.=20.67, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.942, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

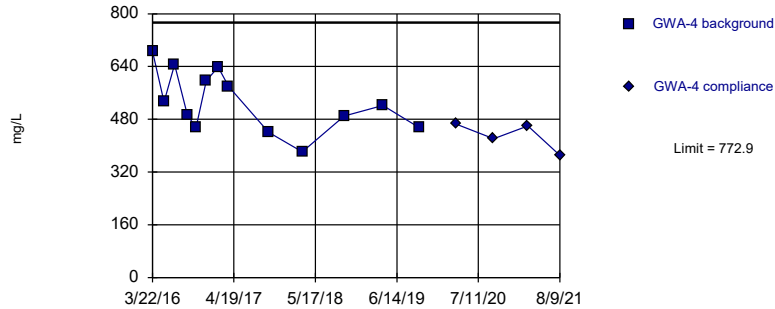


Background Data Summary (based on cube root transformation): Mean=7.827, Std. Dev.=0.3714, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8186, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

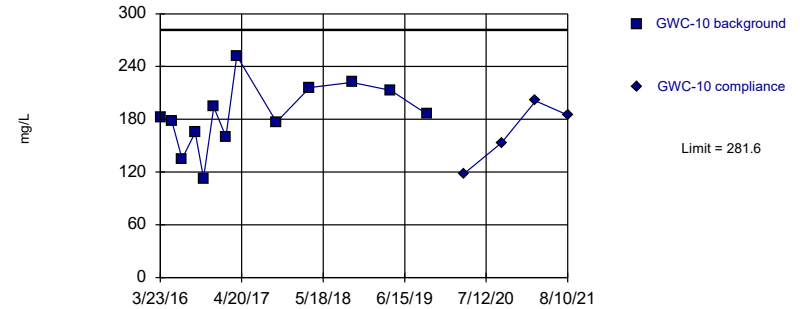


Background Data Summary: Mean=531.9, Std. Dev.=91.69, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9665, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

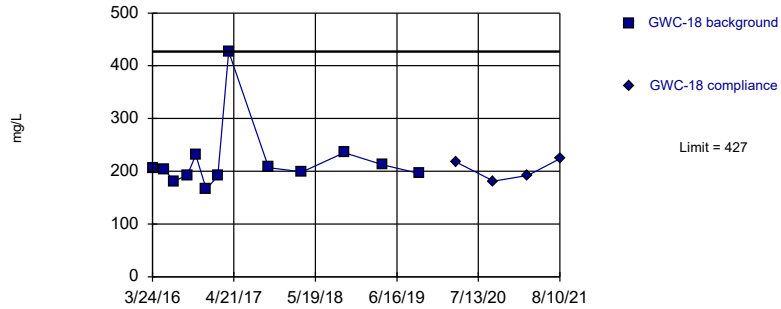


Background Data Summary: Mean=184.1, Std. Dev.=37.09, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9837, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

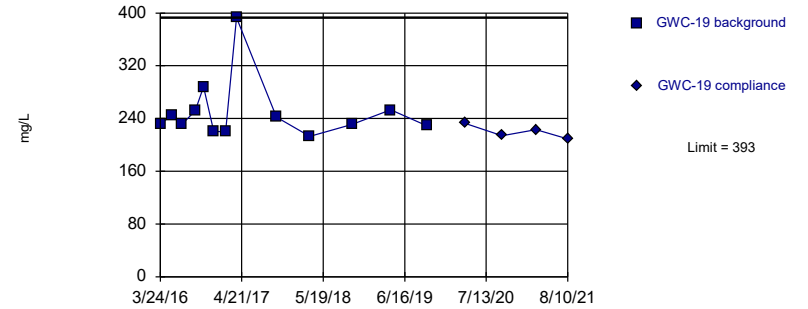


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

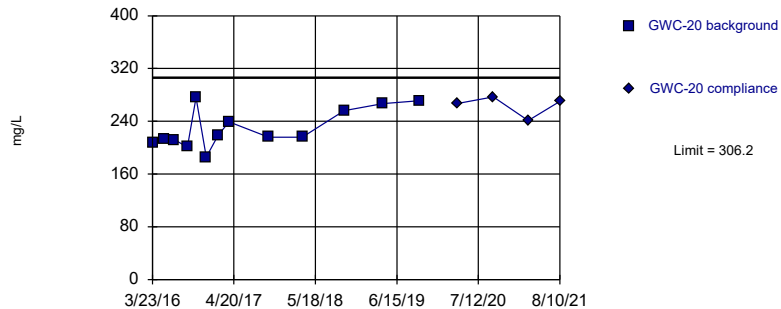


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

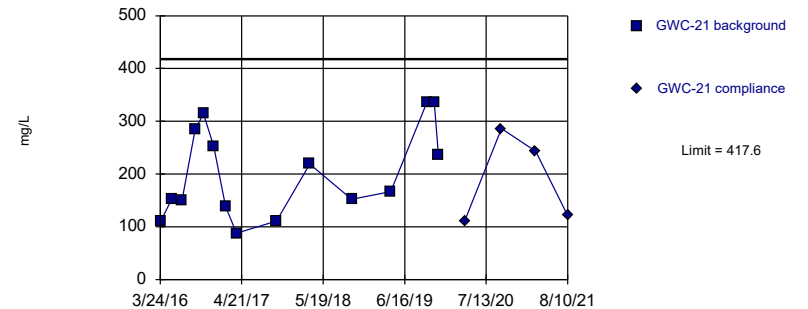


Background Data Summary: Mean=229.2, Std. Dev.=29.3, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8995, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

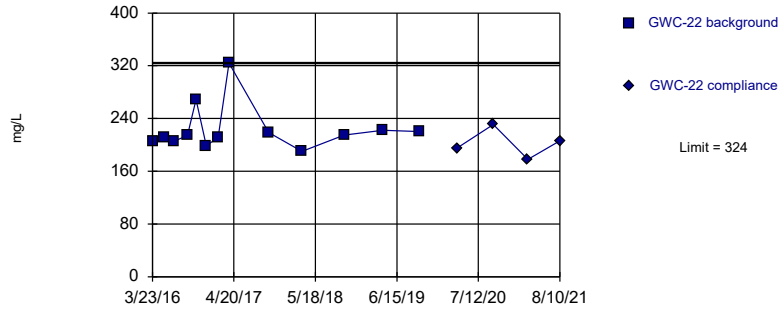


Background Data Summary: Mean=203.2, Std. Dev.=85.29, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9112, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

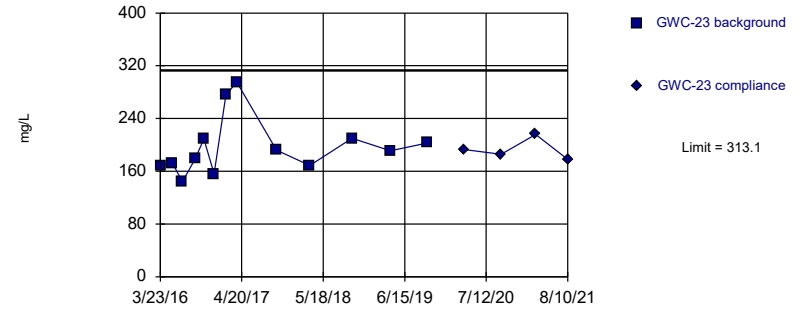


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

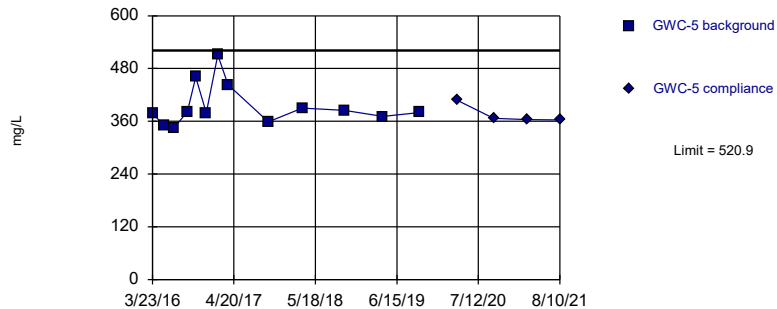


Background Data Summary: Mean=197.3, Std. Dev.=44.03, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8638, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

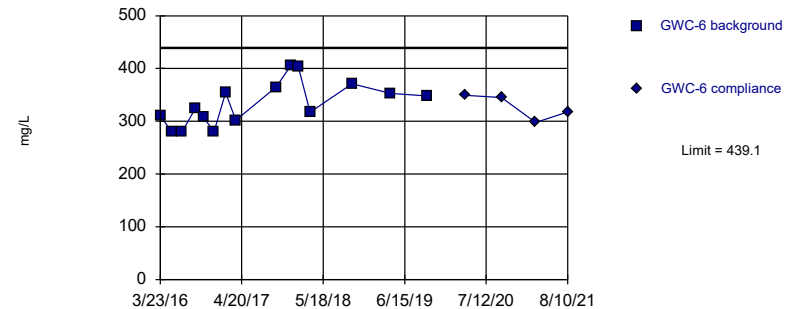


Background Data Summary: Mean=395, Std. Dev.=47.9, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.817, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

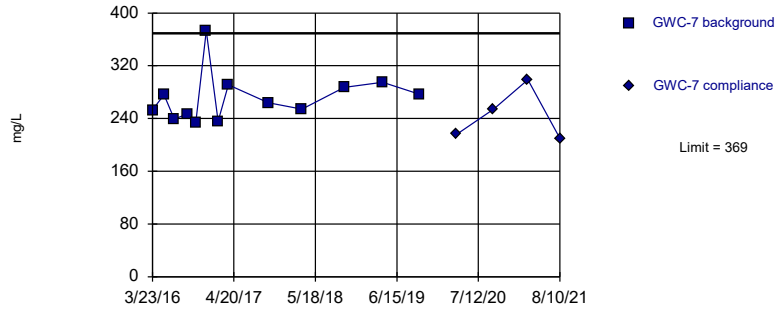


Background Data Summary: Mean=333.5, Std. Dev.=42.03, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9302, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

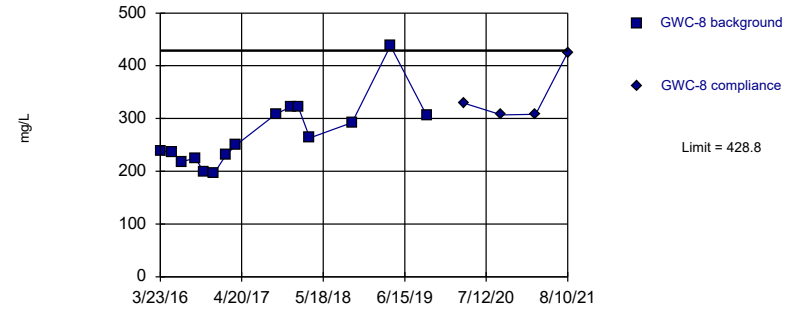


Background Data Summary: Mean=271.2, Std. Dev.=37.22, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8351, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

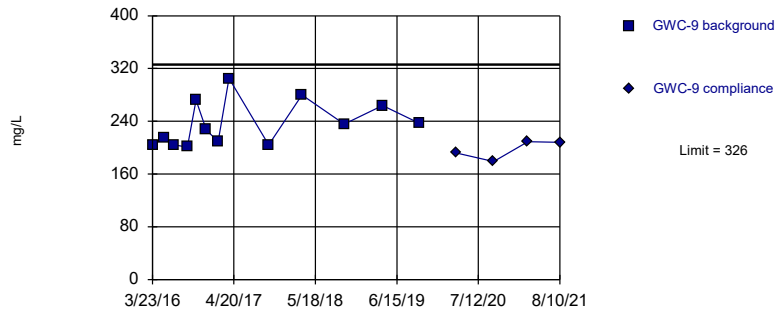


Background Data Summary: Mean=269.7, Std. Dev.=63.28, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8845, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=235.2, Std. Dev.=34.54, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8738, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 9/2/2021 4:08 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/22/2016	<0.1	
5/17/2016	<0.1	
7/5/2016	0.0419 (J)	
9/7/2016	0.0174 (J)	
10/18/2016	0.0192 (J)	
12/6/2016	0.0182 (J)	
1/31/2017	0.0193 (J)	
3/23/2017	0.0192 (J)	
10/4/2017	0.0199 (J)	
3/14/2018	0.019 (J)	
10/4/2018	0.021 (J)	
4/8/2019	0.019 (J)	
9/30/2019	0.025 (J)	
3/26/2020		0.022 (J)
9/23/2020		0.047 (J)
3/8/2021		0.021 (J)
8/9/2021		0.021 (J)



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-11	GWA-11
3/22/2016	0.04 (J)	
5/17/2016	0.0358 (J)	
7/6/2016	0.0373 (J)	
9/7/2016	0.0352 (J)	
10/18/2016	0.0332 (J)	
12/6/2016	0.033 (J)	
2/1/2017	0.0365 (J)	
3/24/2017	0.0343 (J)	
10/5/2017	0.0325 (J)	
3/15/2018	0.037 (J)	
10/4/2018	0.035 (J)	
4/8/2019	0.034 (J)	
9/30/2019	0.039 (J)	
3/26/2020		0.041 (J)
9/22/2020		0.038 (J)
3/8/2021		0.042
8/10/2021		0.034 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-2	GWA-2
3/22/2016	0.0828 (J)	
5/17/2016	0.0844 (J)	
7/5/2016	0.0962 (J)	
9/7/2016	0.0884 (J)	
10/18/2016	0.0889 (J)	
12/7/2016	0.0954	
1/31/2017	0.0939	
3/23/2017	0.0869	
10/4/2017	0.0914	
3/14/2018	0.075	
10/4/2018	0.082	
4/8/2019	0.071 (J)	
9/30/2019	0.084	
3/26/2020		0.092 (J)
9/21/2020		0.086 (J)
3/9/2021		0.081
8/9/2021		0.085

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/22/2016	0.135	
5/17/2016	0.132	
7/5/2016	0.161	
9/7/2016	0.163	
10/18/2016	0.154	
12/6/2016	0.142	
2/1/2017	0.143	
3/23/2017	0.15	
10/4/2017	0.182	
3/15/2018	0.14	
10/4/2018	0.16	
4/5/2019	0.12	
9/30/2019	0.17	
3/26/2020		0.14
9/23/2020		0.15
3/8/2021		0.13
8/9/2021		0.14

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/22/2016	0.0815 (J)	
5/17/2016	0.0838 (J)	
7/6/2016	0.111	
9/7/2016	0.107	
10/18/2016	0.118	
12/6/2016	0.106	
2/1/2017	0.0949	
3/24/2017	0.0887	
10/4/2017	0.105	
3/15/2018	0.043	
10/4/2018	0.1	
4/8/2019	0.057 (J)	
9/30/2019	0.11	
3/26/2020		0.086 (J)
9/23/2020		0.087 (J)
3/8/2021		0.089
8/9/2021		0.073

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/23/2016	0.0354 (J)	
5/17/2016	0.0349 (J)	
7/6/2016	0.0308 (J)	
9/7/2016	0.0283 (J)	
10/18/2016	0.0292 (J)	
12/6/2016	0.0287 (J)	
2/2/2017	0.0334 (J)	
3/27/2017	0.0396 (J)	
10/5/2017	0.0294 (J)	
3/15/2018	0.038 (J)	
10/4/2018	0.038 (J)	
4/9/2019	0.035 (J)	
10/1/2019	0.031 (J)	
3/27/2020		0.04 (J)
9/25/2020		0.036 (J)
3/9/2021		0.037 (J)
8/10/2021		0.033 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-18	GWC-18
3/24/2016	0.122	
5/18/2016	0.139	
7/7/2016	0.12	
9/8/2016	0.126	
10/19/2016	0.133	
12/8/2016	0.119	
2/2/2017	0.132	
3/27/2017	0.134	
10/5/2017	0.125	
3/16/2018	0.12	
10/5/2018	0.15	
4/9/2019	0.12	
10/1/2019	0.14	
3/30/2020		0.13
9/24/2020		0.13
3/9/2021		0.13
8/10/2021		0.14

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-19	GWC-19
3/24/2016	0.173	
5/18/2016	0.186	
7/6/2016	0.184	
9/8/2016	0.173	
10/18/2016	0.171	
12/7/2016	0.203	
2/2/2017	0.187	
3/27/2017	0.182	
10/5/2017	0.166	
3/15/2018	0.17	
10/4/2018	0.17	
4/9/2019	0.17	
10/1/2019	0.17	
3/31/2020		0.18
9/28/2020		0.17
3/10/2021		0.16
8/10/2021		0.14

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-20	GWC-20
3/23/2016	<0.1	
5/18/2016	0.0229 (J)	
7/7/2016	0.0169 (J)	
9/8/2016	0.0178 (J)	
10/19/2016	0.018 (J)	
12/7/2016	0.0248 (J)	
2/3/2017	0.0171 (J)	
3/27/2017	0.0181 (J)	
10/5/2017	0.0178 (J)	
3/16/2018	0.016 (J)	
10/5/2018	0.017 (J)	
4/9/2019	0.011 (J)	
10/1/2019	0.019 (J)	
3/31/2020		0.024 (J)
9/23/2020		0.018 (J)
3/10/2021		0.018 (J)
8/10/2021		0.013 (J)



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/24/2016	0.0232 (J)	
5/18/2016	0.0289 (J)	
7/7/2016	0.0313 (J)	
9/8/2016	0.0593 (J)	
10/19/2016	0.087 (J)	
12/7/2016	0.127	
2/2/2017	0.0318 (J)	
3/27/2017	0.0225 (J)	
10/5/2017	0.0304 (J)	
3/15/2018	0.025 (J)	
10/4/2018	0.029 (J)	
4/9/2019	0.014 (J)	
10/1/2019	0.059	
3/31/2020		0.022 (J)
9/24/2020		0.061 (J)
3/9/2021		0.03 (J)
8/10/2021		0.026 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-22	GWC-22
3/23/2016	0.0649 (J)	
5/18/2016	0.0781 (J)	
7/7/2016	0.0621 (J)	
9/8/2016	0.0607 (J)	
10/19/2016	0.0733 (J)	
12/7/2016	0.0758	
2/2/2017	0.0729	
3/27/2017	0.0698	
10/5/2017	0.0677	
3/15/2018	0.07	
10/4/2018	0.065	
4/9/2019	0.063	
10/1/2019	0.066	
3/31/2020		0.067 (J)
9/23/2020		0.061 (J)
3/9/2021		0.065
8/10/2021		0.057

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-23	GWC-23
3/23/2016	<0.1	
5/19/2016	0.0212 (J)	
7/7/2016	0.0183 (J)	
9/8/2016	0.017 (J)	
10/19/2016	0.0203 (J)	
12/7/2016	0.0215 (J)	
2/3/2017	0.0812	
3/27/2017	0.125	
10/5/2017	0.0375 (J)	
3/15/2018	0.051	
10/5/2018	0.039 (J)	
4/8/2019	0.022 (J)	
10/1/2019	0.024 (J)	
3/26/2020		0.042 (J)
9/23/2020		0.024 (J)
3/9/2021		0.044
8/10/2021		0.027 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-5	GWC-5
3/23/2016	0.0509 (J)	
5/17/2016	0.0565 (J)	
7/6/2016	0.0628 (J)	
9/7/2016	0.0648 (J)	
10/18/2016	0.0666 (J)	
12/8/2016	0.062	
2/1/2017	0.0516	
3/23/2017	0.0597	
10/4/2017	0.0658	
3/16/2018	0.047	
10/4/2018	0.066	
4/9/2019	0.048	
10/1/2019	0.071	
3/31/2020		0.057 (J)
9/25/2020		0.08 (J)
3/9/2021		0.046
8/10/2021		0.056

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/23/2016	0.0379 (J)	
5/17/2016	0.0395 (J)	
7/6/2016	0.0393 (J)	
9/7/2016	0.04 (J)	
10/18/2016	0.0366 (J)	
12/8/2016	0.0397 (J)	
2/1/2017	0.0381 (J)	
3/23/2017	0.0416	
10/4/2017	0.0382 (J)	
3/16/2018	0.044	
5/16/2018	0.042	
10/4/2018	0.038 (J)	
4/8/2019	0.036 (J)	
10/1/2019	0.042	
3/31/2020		0.091 (J)
6/18/2020		0.045 (JR)
9/25/2020		0.047 (J)
3/9/2021		0.038 (J)
8/10/2021		0.037 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
3/23/2016	0.0574 (J)	
5/18/2016	0.0686 (J)	
7/6/2016	0.0675 (J)	
9/7/2016	0.0582 (J)	
10/18/2016	0.0577 (J)	
12/8/2016	0.0572	
2/2/2017	0.0534	
3/24/2017	0.0532	
10/4/2017	0.0563	
3/15/2018	0.053	
10/4/2018	0.048	
4/8/2019	0.049 (J)	
10/1/2019	0.05	
3/30/2020		0.049 (J)
9/24/2020		0.045 (J)
3/9/2021		0.041
8/10/2021		0.037 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-8	GWC-8
3/23/2016	0.0213 (J)	
5/18/2016	0.028 (J)	
7/6/2016	0.0231 (J)	
9/8/2016	0.0234 (J)	
10/18/2016	0.0228 (J)	
12/8/2016	0.0251 (J)	
2/2/2017	0.0238 (J)	
3/24/2017	0.0234 (J)	
10/5/2017	0.0329 (J)	
3/14/2018	0.024 (J)	
10/4/2018	0.047 (J)	
4/8/2019	0.055 (J)	
10/1/2019	0.046	
3/27/2020		0.056 (J)
6/19/2020		0.086 (JR)
9/24/2020		0.055 (J)
3/9/2021		0.05
8/10/2021		0.088

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/23/2016	<0.1	
5/18/2016	0.0202 (J)	
7/6/2016	0.0171 (J)	
9/8/2016	0.0157 (J)	
10/19/2016	0.0152 (J)	
12/8/2016	0.0178 (J)	
2/2/2017	0.0151 (J)	
3/27/2017	0.0203 (J)	
10/5/2017	0.0157 (J)	
3/15/2018	0.013 (J)	
10/5/2018	0.017 (J)	
4/8/2019	0.015 (J)	
10/1/2019	0.018 (J)	
3/27/2020		0.018 (J)
9/24/2020		0.016 (J)
3/9/2021		0.014 (J)
8/10/2021		0.012 (J)



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/22/2016	13.9	
5/17/2016	15.6	
7/5/2016	15.7	
9/7/2016	18.2	
10/18/2016	17.7	
12/6/2016	16.9	
1/31/2017	17.9	
3/23/2017	13.9	
10/4/2017	15.9	
3/14/2018	<25	
10/4/2018	15.9 (J)	
4/8/2019	15.7	
9/30/2019	17.6	
3/26/2020		14
9/23/2020		17.6
3/8/2021		16.2 (M1)
8/9/2021		20.2

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-11	GWA-11
3/22/2016	23.8	
5/17/2016	21.5	
7/6/2016	20.6	
9/7/2016	16.7	
10/18/2016	20.3	
12/6/2016	19.7	
2/1/2017	18.1	
3/24/2017	21.1	
10/5/2017	20.1	
3/15/2018	<25	
10/4/2018	21.3 (J)	
4/8/2019	22.4	
9/30/2019	19.6	
3/26/2020		22.4
9/22/2020		19.5
3/8/2021		22
8/10/2021		20.8

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-2	GWA-2
3/22/2016	47.4	
5/17/2016	45.5	
7/5/2016	40.5	
9/7/2016	37.3	
10/18/2016	46.6	
12/7/2016	43.5	
1/31/2017	39.2	
3/23/2017	38.7	
10/4/2017	36.5	
3/14/2018	39.5	
10/4/2018	41.7	
4/8/2019	44.1	
9/30/2019	44.6	
3/26/2020		43.2
9/21/2020		45.8
3/9/2021		48.7
8/9/2021		49.9

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/22/2016	79.3	
5/17/2016	75.8	
7/5/2016	65.3	
9/7/2016	59.8	
10/18/2016	72.4	
12/6/2016	78.6	
2/1/2017	85	
3/23/2017	81.2	
10/4/2017	78.8	
3/15/2018	83.5	
10/4/2018	75.2	
4/5/2019	76.5	
9/30/2019	74.7	
3/26/2020		78.7
9/23/2020		76.2
3/8/2021		73.5
8/9/2021		73.2

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/22/2016	123	
5/17/2016	99.2	
7/6/2016	109	
9/7/2016	67.2	
10/18/2016	77.9	
12/6/2016	93.3	
2/1/2017	92.8	
3/24/2017	96.3	
10/4/2017	75.1	
3/15/2018	69.9	
10/4/2018	77.8	
4/8/2019	86.6	
9/30/2019	78.3	
3/26/2020		87.4
9/23/2020		74.9
3/8/2021		87.2
8/9/2021		69.7

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/23/2016	43.9	
5/17/2016	40.1	
7/6/2016	32.3	
9/7/2016	28.9	
10/18/2016	35.4	
12/6/2016	34.3	
2/2/2017	38.1	
3/27/2017	45.4	
10/5/2017	35.8	
3/15/2018	52.4	
5/15/2018	48.4	
10/4/2018	51.2	
12/11/2018	49.3	
4/9/2019	48.8	
10/1/2019	36.8	
3/27/2020		22.9
9/25/2020		39.4
3/9/2021		48.7
8/10/2021		45.5

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-18	GWC-18
3/24/2016	40.7	
5/18/2016	41.9	
7/7/2016	36.8	
9/8/2016	35.9	
10/19/2016	38.7	
12/8/2016	39.4	
2/2/2017	41.5	
3/27/2017	39.1	
10/5/2017	41.6	
3/16/2018	45.9	
5/16/2018	40	
10/5/2018	39.6	
4/9/2019	41.4	
10/1/2019	38.7	
3/30/2020		45.7
9/24/2020		36.9
3/9/2021		44.9
8/10/2021		48.2

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-19	GWC-19
3/24/2016	43.9	
5/18/2016	48.2	
7/6/2016	45.8	
9/8/2016	40.9	
10/18/2016	45.5	
12/7/2016	40.6	
2/2/2017	42.4	
3/27/2017	45.5	
10/5/2017	42.9	
3/15/2018	43.3	
10/4/2018	43.7	
4/9/2019	45.8	
10/1/2019	42.3	
3/31/2020		52.3
6/19/2020		41.3 (R)
9/28/2020		44.7
3/10/2021		47.4
8/10/2021		44.9



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-20	GWC-20
3/23/2016	56.3	
5/18/2016	59	
7/7/2016	50.9	
9/8/2016	48	
10/19/2016	49.7	
12/7/2016	46.4	
2/3/2017	49	
3/27/2017	50.7	
10/5/2017	52	
3/16/2018	53.4	
10/5/2018	52.7	
4/9/2019	57.1	
10/1/2019	59.1	
3/31/2020		63.6
6/19/2020		61.4 (R)
9/23/2020		55.8
3/10/2021		64.9
8/10/2021		62

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/24/2016	31.4	
5/18/2016	39.2	
7/7/2016	36	
9/8/2016	70	
10/19/2016	63	
12/7/2016	54.7	
2/2/2017	37.4	
3/27/2017	20.9	
10/5/2017	26.8	
3/15/2018	62.8	
10/4/2018	48.6	
4/9/2019	35.4	
10/1/2019	82.8	
11/6/2019	74.9	
11/26/2019	45.8	
3/31/2020		25.6
9/24/2020		73.4
3/9/2021		67.8
8/10/2021		29.7

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-22	GWC-22
3/23/2016	49.9	
5/18/2016	50.7	
7/7/2016	45.5	
9/8/2016	46.8	
10/19/2016	47.3	
12/7/2016	45.3	
2/2/2017	49.9	
3/27/2017	45.8	
10/5/2017	47.3	
3/15/2018	46.8	
10/4/2018	50.4	
4/9/2019	47.3	
10/1/2019	46.9	
3/31/2020		51.5
9/23/2020		45.9
3/9/2021		48.7
8/10/2021		48.1

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-23	GWC-23
3/23/2016	36.4	
5/19/2016	41.5	
7/7/2016	33.5	
9/8/2016	34.7	
10/19/2016	33.4	
12/7/2016	35.5	
2/3/2017	31.7	
3/27/2017	32	
10/5/2017	41	
3/15/2018	39.8	
10/5/2018	39.3	
4/8/2019	39.8	
10/1/2019	39.1	
3/26/2020		44.7
9/23/2020		39.2
3/9/2021		54.3
8/10/2021		48.2

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-5	GWC-5
3/23/2016	79	
5/17/2016	74.6	
7/6/2016	66.9	
9/7/2016	61.6	
10/18/2016	71.6	
12/8/2016	67.6	
2/1/2017	82.5	
3/23/2017	84.4	
10/4/2017	70.8	
3/16/2018	78.1	
10/4/2018	73	
4/9/2019	73.9	
10/1/2019	70.6	
3/31/2020		84.2
9/25/2020		77.1
3/9/2021		85.4
8/10/2021		78.3

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/23/2016	64.1	
5/17/2016	62.8	
7/6/2016	59.5	
9/7/2016	53.7	
10/18/2016	62.3	
12/8/2016	58.8	
2/1/2017	59.6	
3/23/2017	62.9	
10/4/2017	62.4	
3/16/2018	66.9	
10/4/2018	65.5	
4/8/2019	67	
10/1/2019	64.2	
3/31/2020		70.6
9/25/2020		71.3
3/9/2021		70.8
8/10/2021		67.7

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
3/23/2016	45.2	
5/18/2016	46.5	
7/6/2016	29.1	
9/7/2016	19.2	
10/18/2016	22.6	
12/8/2016	17.5	
2/2/2017	54.4	
3/24/2017	56.8	
10/4/2017	30.5	
3/15/2018	43.4	
10/4/2018	26.1	
4/8/2019	56.1	
10/1/2019	28.5	
3/30/2020		47.8
9/24/2020		39.5
3/9/2021		64.3
8/10/2021		40.5

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-8	GWC-8
3/23/2016	69.1	
5/18/2016	63.7	
7/6/2016	56.8	
9/8/2016	51.3	
10/18/2016	52.6	
12/8/2016	43.7	
2/2/2017	56.5	
3/24/2017	64.4	
10/5/2017	59.9	
3/14/2018	58.8	
10/4/2018	264 (o)	
12/11/2018	64.3	
4/8/2019	81.5	
6/18/2019	83.7	
6/27/2019	75.9	
10/1/2019	64	
3/27/2020		87.3
9/24/2020		81.4
3/9/2021		83.2
8/10/2021		111



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/23/2016	36	
5/18/2016	37.3	
7/6/2016	32.8	
9/8/2016	32.1	
10/19/2016	35	
12/8/2016	33.4	
2/2/2017	34.3	
3/27/2017	34.9	
10/5/2017	34.7	
3/15/2018	35.3	
10/5/2018	37.8	
4/8/2019	36.3	
10/1/2019	37.2	
3/27/2020		34.3
9/24/2020		35.9
3/9/2021		36.8
8/10/2021		38.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/22/2016	1.1933	
5/17/2016	1.14	
7/5/2016	1.4	
9/7/2016	1	
10/18/2016	1.1	
12/6/2016	1	
1/31/2017	1.2	
3/23/2017	1.1	
10/4/2017	1.1	
3/14/2018	1.2	
10/4/2018	1.4	
4/8/2019	1.1	
9/30/2019	1.4	
3/26/2020		1.1
9/23/2020		1.6
3/8/2021		1.1
8/9/2021		1.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-11	GWA-11
3/22/2016	1.3137	
5/17/2016	1.29	
7/6/2016	1.6	
9/7/2016	1.5	
10/18/2016	1.6	
12/6/2016	1.2	
2/1/2017	2.1	
3/24/2017	1.3	
10/5/2017	1.3	
3/15/2018	1.6	
10/4/2018	1.8	
4/8/2019	1.3	
9/30/2019	1.5	
3/26/2020		1.4
9/22/2020		1
3/8/2021		1.3
8/10/2021		1.2

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-2	GWA-2
3/22/2016	2.0975	
5/17/2016	2.1	
7/5/2016	2.4	
9/7/2016	2.5	
10/18/2016	2.7	
12/7/2016	2.6	
1/31/2017	2.5	
3/23/2017	2	
10/4/2017	2.2	
3/14/2018	2.4	
10/4/2018	2.5	
4/8/2019	2.6	
9/30/2019	3	
3/26/2020		2
9/21/2020		2.1
3/9/2021		2.1
8/9/2021		2.4

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/22/2016	4.0352	
5/17/2016	3.81	
7/5/2016	4	
9/7/2016	4.2	
10/18/2016	4.4	
12/6/2016	4.6	
2/1/2017	3.7	
3/23/2017	3.5	
10/4/2017	3.6	
3/15/2018	3.8	
10/4/2018	3.4	
4/5/2019	4.2	
9/30/2019	4.1	
3/26/2020		2.6
9/23/2020		2.8
3/8/2021		2.8
8/9/2021		2.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/22/2016	5.549	
5/17/2016	6.74	
7/6/2016	5.2	
9/7/2016	7.2	
10/18/2016	7.4	
12/6/2016	7.6	
2/1/2017	8.5	
3/24/2017	7	
10/4/2017	7.4	
3/15/2018	1.7	
10/4/2018	6.1	
4/8/2019	3.6	
9/30/2019	7.5	
3/26/2020		5.4
9/23/2020		4.2
3/8/2021		5.6
8/9/2021		3

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/23/2016	1.3507	
5/17/2016	1.28	
7/6/2016	1.5	
9/7/2016	1.5	
10/18/2016	1.4	
12/6/2016	1.3	
2/2/2017	1.8	
3/27/2017	1.7	
10/5/2017	1.5	
3/15/2018	2	
5/15/2018	1.4	
10/4/2018	2.1	
12/11/2018	1.9	
4/9/2019	1.9	
10/1/2019	1.5	
3/27/2020		1.2
9/25/2020		1.1
3/9/2021		1.1
8/10/2021		1.2

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-18	GWC-18
3/24/2016	1.1313	
5/19/2016	1.13	
7/7/2016	1.5	
9/8/2016	1.4	
10/19/2016	1.4	
12/8/2016	1.4	
2/2/2017	1.6	
3/27/2017	1.5	
10/5/2017	1.4	
3/16/2018	1.5	
10/5/2018	1.5	
4/9/2019	1.6	
10/1/2019	0.94 (J)	
3/30/2020		1
9/24/2020		0.94 (J)
3/9/2021		0.97 (J)
8/10/2021		0.93 (J)



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-19	GWC-19
3/24/2016	1.6497	
5/18/2016	1.74	
7/6/2016	2.1	
9/8/2016	1.9	
10/18/2016	2.1	
12/7/2016	2	
2/2/2017	2.3	
3/27/2017	2.1	
10/5/2017	1.9	
3/15/2018	1.9	
10/4/2018	2	
4/9/2019	1.9	
10/1/2019	1.3	
3/31/2020		1.3
9/28/2020		1.3
3/10/2021		1.3
8/10/2021		1.2

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-20	GWC-20
3/23/2016	1.4238	
5/18/2016	1.57	
7/7/2016	1.7	
9/8/2016	1.5	
10/19/2016	1.7	
12/7/2016	1.8	
2/3/2017	2	
3/27/2017	1.8	
10/5/2017	5.5 (o)	
12/14/2017	1.5	
3/16/2018	1.9	
10/5/2018	2.2	
12/11/2018	1.8	
4/9/2019	1.8	
10/1/2019	1.1	
3/31/2020		1.1
9/23/2020		1.1
3/10/2021		1.2
8/10/2021		1.2

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/24/2016	2.461	
5/18/2016	2.61	
7/7/2016	2.8	
9/8/2016	2.3	
10/19/2016	2.4	
12/7/2016	2.2	
2/2/2017	3.4	
3/27/2017	2.7	
10/5/2017	3.3	
3/15/2018	3.6	
5/15/2018	3.2	
10/4/2018	2.4	
4/9/2019	2.6	
10/1/2019	2	
3/31/2020		1.5
9/24/2020		1.8
3/9/2021		1.8
8/10/2021		2

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-22	GWC-22
3/23/2016	1.2595	
5/18/2016	1.25	
7/7/2016	1.7	
9/8/2016	1.5	
10/19/2016	1.6	
12/7/2016	1.5	
2/2/2017	1.8	
3/27/2017	1.5	
10/5/2017	1.6	
3/15/2018	1.7	
10/4/2018	1.7	
4/9/2019	1.7	
10/1/2019	1.4	
3/31/2020		1
9/23/2020		1.1
3/9/2021		1
8/10/2021		1.1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-23	GWC-23
3/23/2016	1.5409	
5/19/2016	1.23	
7/7/2016	1.7	
9/8/2016	1.6	
10/19/2016	1.6	
12/7/2016	1.7	
2/3/2017	1.9	
3/27/2017	1.7	
10/5/2017	1.4	
3/15/2018	1.6	
10/5/2018	1.6	
4/8/2019	1.5	
10/1/2019	1.1	
3/26/2020		0.63 (J)
9/23/2020		1.1
3/9/2021		0.85 (J)
8/10/2021		1

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-5	GWC-5
3/23/2016	2.5045	
5/17/2016	2.47	
7/6/2016	2.9	
9/7/2016	2.8	
10/18/2016	2.8	
12/8/2016	3.1	
2/1/2017	3.8	
3/23/2017	3.4	
10/4/2017	3.7	
3/16/2018	3.2	
10/4/2018	3.2	
4/9/2019	3.3	
10/1/2019	2.2	
3/31/2020		2
9/25/2020		2.3
3/9/2021		2
8/10/2021		2.3

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/23/2016	1.7709	
5/17/2016	1.75	
7/6/2016	2	
9/7/2016	2	
10/18/2016	2	
12/8/2016	2	
2/1/2017	2.2	
3/23/2017	2	
10/4/2017	1.7	
3/16/2018	2.1	
10/4/2018	2.2	
4/8/2019	2.1	
10/1/2019	1.6	
3/31/2020		1.5
9/25/2020		1.6
3/9/2021		1.5
8/10/2021		1.6

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
3/23/2016	1.1569	
5/18/2016	1.35	
7/6/2016	1.9	
9/7/2016	1.7	
10/18/2016	1.8	
12/8/2016	1.6	
2/2/2017	2	
3/24/2017	1.3	
10/4/2017	1.7	
3/15/2018	1.9	
10/4/2018	2	
4/8/2019	1.9	
10/1/2019	1.2	
3/30/2020		9.2
6/19/2020		1.4 (R)
9/24/2020		1.4
3/9/2021		1.5
8/10/2021		1.6



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-8	GWC-8
3/23/2016	1.4936	
5/19/2016	1.35	
7/6/2016	1.6	
9/8/2016	1.4	
10/18/2016	1.4	
12/8/2016	1.5	
2/2/2017	1.7	
3/24/2017	2.1	
10/5/2017	2	
3/14/2018	2.1	
10/4/2018	2.3	
12/11/2018	2.3	
1/11/2019	2.8	
4/8/2019	3.2	
10/1/2019	1.8	
3/27/2020		2.5
9/24/2020		2.2
3/9/2021		2.2
8/10/2021		2.7

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/23/2016	0.9561	
5/19/2016	0.972	
7/6/2016	1.3	
9/8/2016	1	
10/19/2016	1.1	
12/8/2016	1.3	
2/2/2017	1.6	
3/27/2017	1.4	
10/5/2017	1.1	
3/15/2018	1.3	
10/5/2018	1.6	
4/8/2019	1	
10/1/2019	0.91 (J)	
3/27/2020		0.74 (J)
9/24/2020		0.82 (J)
3/9/2021		0.74 (J)
8/10/2021		0.85 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/22/2016	0.119 (J)	
5/17/2016	0.1049 (J)	
7/5/2016	0.1 (J)	
9/7/2016	0.13 (J)	
10/18/2016	0.15 (J)	
12/6/2016	0.11 (J)	
1/31/2017	0.02 (J)	
3/23/2017	0.08 (J)	
10/4/2017	0.07 (J)	
3/14/2018	<0.3	
10/4/2018	0.17 (J)	
4/8/2019	0.057 (J)	
9/30/2019	0.11 (J)	
3/26/2020		0.082 (J)
9/23/2020		0.089 (J)
3/8/2021		0.094 (J)
8/9/2021		0.083 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-11	GWA-11
3/22/2016	0.0811 (J)	
5/17/2016	0.0706 (J)	
7/6/2016	0.09 (J)	
9/7/2016	0.04 (J)	
10/18/2016	0.07 (J)	
12/6/2016	0.13 (J)	
2/1/2017	<0.3	
3/24/2017	0.01 (J)	
10/5/2017	<0.3	
3/15/2018	<0.3	
10/4/2018	0.15 (J)	
4/8/2019	0.035 (J)	
9/30/2019	0.099 (J)	
3/26/2020		0.057 (J)
9/22/2020		0.061 (J)
3/8/2021		0.11
8/10/2021		0.068 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-2	GWA-2
3/22/2016	0.1252 (J)	
5/17/2016	0.1091 (J)	
7/5/2016	0.16 (J)	
9/7/2016	0.18 (J)	
10/18/2016	0.13 (J)	
12/7/2016	0.13 (J)	
1/31/2017	0.04 (J)	
3/23/2017	0.08 (J)	
10/4/2017	0.11 (J)	
3/14/2018	<0.3	
10/4/2018	0.25 (J)	
4/8/2019	0.072 (J)	
9/30/2019	0.14 (J)	
3/26/2020		0.12 (J)
9/21/2020		0.12
3/9/2021		0.099 (J)
8/9/2021		0.081 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/22/2016	0.1415 (J)	
5/17/2016	0.1293 (J)	
7/5/2016	0.21 (J)	
9/7/2016	0.21 (J)	
10/18/2016	0.15 (J)	
12/6/2016	0.19 (J)	
2/1/2017	0.35	
3/23/2017	0.39	
10/4/2017	0.49	
3/15/2018	<0.3	
10/4/2018	0.24 (J)	
4/5/2019	0.31	
9/30/2019	0.15 (J)	
3/26/2020		0.09 (J)
9/23/2020		0.11
3/8/2021		0.13
8/9/2021		0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/22/2016	0.1754 (J)	
5/17/2016	0.1385 (J)	
7/6/2016	0.22 (J)	
9/7/2016	0.2 (J)	
10/18/2016	0.16 (J)	
12/6/2016	0.29 (J)	
2/1/2017	0.48	
3/24/2017	0.12 (J)	
10/4/2017	0.2 (J)	
3/15/2018	0.4	
10/4/2018	0.24 (J)	
4/8/2019	0.12 (J)	
9/30/2019	0.17 (J)	
3/26/2020		0.089 (J)
9/23/2020		0.13
3/8/2021		0.1
8/9/2021		0.12

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/23/2016	0.1069 (J)	
5/17/2016	0.0991 (J)	
7/6/2016	0.09 (J)	
9/7/2016	0.13 (J)	
10/18/2016	0.16 (J)	
12/6/2016	0.12 (J)	
2/2/2017	0.07 (J)	
3/27/2017	0.05 (J)	
10/5/2017	0.11 (J)	
3/15/2018	<0.3	
10/4/2018	0.16 (J)	
4/9/2019	0.067 (J)	
10/1/2019	0.07 (J)	
3/27/2020		<0.3
9/25/2020		0.085 (J)
3/9/2021		0.078 (J)
8/10/2021		0.078 (J)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-18	GWC-18
3/24/2016	0.1459 (J)	
5/19/2016	0.1408 (J)	
7/7/2016	0.2 (J)	
9/8/2016	0.14 (J)	
10/19/2016	0.14 (J)	
12/8/2016	0.16 (J)	
2/2/2017	0.17 (J)	
3/27/2017	0.11 (J)	
10/5/2017	0.13 (J)	
3/16/2018	<0.3	
10/5/2018	0.21 (J)	
4/9/2019	0.1 (J)	
10/1/2019	0.11 (J)	
3/30/2020		0.1 (J)
9/24/2020		0.11
3/9/2021		0.11
8/10/2021		0.11

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-19	GWC-19
3/24/2016	0.1652 (J)	
5/18/2016	0.1459 (J)	
7/6/2016	0.21 (J)	
9/8/2016	0.15 (J)	
10/18/2016	0.19 (J)	
12/7/2016	0.24 (J)	
2/2/2017	0.1 (J)	
3/27/2017	0.11 (J)	
10/5/2017	0.13 (J)	
3/15/2018	<0.3	
10/4/2018	0.21 (J)	
4/9/2019	0.1 (J)	
10/1/2019	0.11 (J)	
3/31/2020		0.099 (J)
9/28/2020		0.11
3/10/2021		0.11
8/10/2021		0.11

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-20	GWC-20
3/23/2016	0.0905 (J)	
5/18/2016	0.0864 (J)	
7/7/2016	0.16 (J)	
9/8/2016	0.08 (J)	
10/19/2016	0.09 (J)	
12/7/2016	0.11 (J)	
2/3/2017	0.06 (J)	
3/27/2017	0.04 (J)	
10/5/2017	0.05 (J)	
3/16/2018	<0.3	
10/5/2018	0.17 (J)	
4/9/2019	0.056 (J)	
10/1/2019	0.069 (J)	
3/31/2020		0.054 (J)
9/23/2020		0.065 (J)
3/10/2021		0.068 (J)
8/10/2021		0.066 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/24/2016	0.0445 (J)	
5/18/2016	0.0476 (J)	
7/7/2016	0.12 (J)	
9/8/2016	0.11 (J)	
10/19/2016	0.13 (J)	
12/7/2016	0.23 (J)	
2/2/2017	0.11 (J)	
3/27/2017	0.01 (J)	
10/5/2017	<0.1	
3/15/2018	<0.1	
10/4/2018	0.15 (J)	
4/9/2019	0.063 (J)	
10/1/2019	0.094 (J)	
3/31/2020		<0.1
9/24/2020		0.1
3/9/2021		0.058 (J)
8/10/2021		<0.1

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-22	GWC-22
3/23/2016	0.0886 (J)	
5/18/2016	0.0839 (J)	
7/7/2016	0.08 (J)	
9/8/2016	0.11 (J)	
10/19/2016	0.1 (J)	
12/7/2016	0.09 (J)	
2/2/2017	0.05 (J)	
3/27/2017	0.08 (J)	
10/5/2017	0.08 (J)	
3/15/2018	<0.3	
10/4/2018	0.14 (J)	
4/9/2019	0.063 (J)	
10/1/2019	0.079 (J)	
3/31/2020		0.055 (J)
9/23/2020		0.073 (J)
3/9/2021		0.067 (J)
8/10/2021		0.071 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-23	GWC-23
3/23/2016	0.1064 (J)	
5/19/2016	0.0928 (J)	
7/7/2016	0.13 (J)	
9/8/2016	0.12 (J)	
10/19/2016	0.1 (J)	
12/7/2016	0.1 (J)	
2/3/2017	0.12 (J)	
3/27/2017	0.14 (J)	
10/5/2017	0.09 (J)	
3/15/2018	<0.3	
10/5/2018	0.18 (J)	
4/8/2019	0.057 (J)	
10/1/2019	0.079 (J)	
3/26/2020		0.064 (J)
9/23/2020		0.088 (J)
3/9/2021		0.069 (J)
8/10/2021		0.087 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-5	GWC-5
3/23/2016	0.0582 (J)	
5/17/2016	0.0571 (J)	
7/6/2016	0.29 (J)	
9/7/2016	0.08 (J)	
10/18/2016	0.09 (J)	
12/8/2016	0.06 (J)	
2/1/2017	0.33	
3/23/2017	0.07 (J)	
10/4/2017	<0.3	
3/16/2018	<0.3	
10/4/2018	0.16 (J)	
4/9/2019	0.061 (J)	
10/1/2019	0.064 (J)	
3/31/2020		<0.3
9/25/2020		0.058 (J)
3/9/2021		0.05 (J)
8/10/2021		0.057 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/23/2016	0.0791 (J)	
5/17/2016	0.0712 (J)	
7/6/2016	0.28 (J)	
9/7/2016	0.08 (J)	
10/18/2016	0.07 (J)	
12/8/2016	0.13 (J)	
2/1/2017	0.24 (J)	
3/23/2017	0.04 (J)	
10/4/2017	0.03 (J)	
3/16/2018	<0.3	
10/4/2018	0.17 (J)	
4/8/2019	<0.3	
10/1/2019	0.063 (J)	
3/31/2020		0.053 (J)
9/25/2020		0.063 (J)
3/9/2021		0.06 (J)
8/10/2021		0.057 (J)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
3/23/2016	0.2004 (J)	
5/18/2016	0.1766 (J)	
7/6/2016	0.39	
9/7/2016	0.53	
10/18/2016	0.24 (J)	
12/8/2016	0.24 (J)	
2/2/2017	0.3 (J)	
3/24/2017	0.22 (J)	
10/4/2017	0.19 (J)	
3/15/2018	0.37	
10/4/2018	0.19 (J)	
4/8/2019	0.17 (J)	
10/1/2019	0.16 (J)	
3/30/2020		0.16 (J)
9/24/2020		0.14
3/9/2021		0.17
8/10/2021		0.19

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-8	GWC-8
3/23/2016	0.1537 (J)	
5/19/2016	0.1414 (J)	
7/6/2016	0.15 (J)	
9/8/2016	0.35	
10/18/2016	0.17 (J)	
12/8/2016	0.15 (J)	
2/2/2017	0.1 (J)	
3/24/2017	0.14 (J)	
10/5/2017	0.15 (J)	
3/14/2018	0.4	
5/16/2018	0.32	
10/4/2018	0.28 (J)	
4/8/2019	0.1 (J)	
10/1/2019	0.13 (J)	
3/27/2020		0.12 (J)
9/24/2020		0.15
3/9/2021		0.12
8/10/2021		0.13

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/23/2016	0.0993 (J)	
5/19/2016	0.0936 (J)	
7/6/2016	0.09 (J)	
9/8/2016	0.11 (J)	
10/19/2016	0.1 (J)	
12/8/2016	0.11 (J)	
2/2/2017	0.05 (J)	
3/27/2017	0.07 (J)	
10/5/2017	0.06 (J)	
3/15/2018	<0.3	
10/5/2018	0.18 (J)	
4/8/2019	0.058 (J)	
10/1/2019	0.078 (J)	
3/27/2020		0.078 (J)
9/24/2020		0.076 (J)
3/9/2021		0.08 (J)
8/10/2021		0.076 (J)

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/22/2016	7.07	
5/17/2016	7	
7/5/2016	6.88	
9/7/2016	7.24	
10/18/2016	6.86	
12/6/2016	6.98	
1/31/2017	6.63	
3/23/2017	7.12	
10/4/2017	6.83	
3/14/2018	6.66	
10/4/2018	6.92	
4/8/2019	6.86	
9/30/2019	7.15	
3/26/2020		7.02
9/23/2020		6.98
3/8/2021		6.86
8/9/2021		7.23

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-11	GWA-11
3/22/2016	7	
5/17/2016	6.77	
7/6/2016	6.64	
9/7/2016	6.83	
10/18/2016	6.58	
12/6/2016	6.66	
2/1/2017	6.5	
3/24/2017	6.72	
10/5/2017	6.69	
3/15/2018	6.48	
10/4/2018	6.66	
4/8/2019	6.61	
9/30/2019	6.86	
3/26/2020		6.83
9/22/2020		6.8
3/8/2021		6.78
8/10/2021		6.84

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-2	GWA-2
3/22/2016	7.19	
5/17/2016	6.94	
7/5/2016	6.98	
9/7/2016	6.86	
10/18/2016	6.71	
12/7/2016	6.71	
1/31/2017	6.95	
3/23/2017	7.04	
10/4/2017	6.86	
3/14/2018	6.76	
10/4/2018	6.62	
4/8/2019	6.79	
9/30/2019	6.86	
3/26/2020		7.07
9/21/2020		6.9
3/9/2021		6.93
8/9/2021		6.9

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/22/2016	7.11	
5/17/2016	6.95	
7/5/2016	6.55	
9/7/2016	6.81	
10/18/2016	6.64	
12/6/2016	6.34	
2/1/2017	6.68	
3/23/2017	6.8	
10/4/2017	6.64	
3/15/2018	6.88	
10/4/2018	6.62	
4/5/2019	6.77	
9/30/2019	6.73	
3/26/2020		6.87
9/23/2020		6.87
3/8/2021		6.95
8/9/2021		6.89

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/22/2016	7.14	
5/17/2016	6.67	
7/6/2016	6.53	
9/7/2016	6.72	
10/18/2016	6.73	
12/6/2016	6.61	
2/1/2017	6.7	
3/24/2017	6.77	
10/4/2017	6.52	
3/15/2018	7.11	
10/4/2018	6.72	
4/8/2019	6.82	
9/30/2019	6.77	
3/26/2020		6.74
9/23/2020		6.81
3/8/2021		6.84
8/9/2021		6.76



# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/23/2016	7.56	
5/17/2016	7.46	
7/6/2016	7.24	
9/7/2016	7.4	
10/18/2016	7.11	
12/6/2016	7.32	
2/2/2017	7.19	
3/27/2017	7.48	
10/5/2017	7.13	
3/15/2018	7.08	
10/4/2018	7.26	
4/9/2019	7.22	
10/1/2019	7.07	
3/27/2020		6.82
6/19/2020		7.4 (R)
9/25/2020		7.28
3/9/2021		7.43
8/10/2021		7.45

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-18	GWC-18
3/24/2016	7.71	
5/18/2016	7.59	
7/7/2016	7.55	
9/8/2016	7.54	
10/19/2016	7.66	
12/8/2016	7.47	
2/2/2017	7.64	
3/27/2017	7.59	
10/5/2017	7.65	
3/16/2018	7.51	
10/5/2018	7.57	
4/9/2019	7.48	
10/1/2019	7.65	
3/30/2020		7.65
9/24/2020		7.62
3/9/2021		7.66
8/10/2021		7.4

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-19	GWC-19
3/24/2016	7.69	
5/18/2016	7.49	
7/6/2016	7.39	
9/8/2016	7.57	
10/18/2016	7.35	
12/7/2016	7.42	
2/2/2017	7.43	
3/27/2017	7.53	
10/5/2017	7.36	
3/15/2018	7.54	
10/4/2018	7.44	
4/9/2019	7.4	
10/1/2019	7.31	
3/31/2020		7.62
6/19/2020		7.61 (R)
9/28/2020		7.78
11/10/2020		7.37 (R)
3/10/2021		7.49
8/10/2021		7.49

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-20	GWC-20
3/23/2016	7.55	
5/18/2016	7.32	
7/7/2016	7.39	
9/8/2016	7.34	
10/19/2016	7.35	
12/7/2016	7.35	
2/3/2017	7.37	
3/27/2017	7.26	
10/5/2017	7.2	
3/16/2018	7.13	
5/15/2018	7.18	
10/5/2018	7.07	
12/11/2018	7.16	
4/9/2019	7.26	
10/1/2019	7.16	
3/31/2020		7.57
6/19/2020		7.31 (R)
9/23/2020		7.11
3/10/2021		7.41
8/10/2021		7.31

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/24/2016	6.4	
5/18/2016	6.44	
7/7/2016	6.12	
9/8/2016	7.2	
10/19/2016	7.11	
12/7/2016	7.24	
2/2/2017	6.86	
3/27/2017	6.51	
10/5/2017	5.97	
3/15/2018	7.01	
10/4/2018	6.33	
4/9/2019	6.46	
10/1/2019	6.9	
3/31/2020		6.33
9/24/2020		7.12
3/9/2021		7.04
8/10/2021		6.05

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-22	GWC-22
3/23/2016	7.72	
5/18/2016	7.77	
7/7/2016	7.65	
9/8/2016	7.89	
10/19/2016	7.64	
12/7/2016	7.72	
2/2/2017	7.56	
3/27/2017	7.69	
10/5/2017	7.53	
3/15/2018	7.5	
10/4/2018	7.52	
4/9/2019	7.49	
10/1/2019	7.38	
11/6/2019	7.66	
3/31/2020		7.8
9/23/2020		7.42
3/9/2021		7.52
8/10/2021		7.75

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-23	GWC-23
3/23/2016	7.48	
5/19/2016	7.24	
7/7/2016	7.18	
9/8/2016	7.17	
10/19/2016	7.05	
12/7/2016	7.16	
2/3/2017	7.27	
3/27/2017	7.24	
10/5/2017	7.25	
3/15/2018	7.05	
10/5/2018	6.97	
4/8/2019	6.88	
10/1/2019	7	
3/26/2020		6.88
9/23/2020		6.96
3/9/2021		6.81
8/10/2021		6.96

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-5	GWC-5
3/23/2016	7.1	
5/17/2016	6.88	
7/6/2016	6.75	
9/7/2016	6.95	
10/18/2016	6.9	
12/8/2016	6.55	
2/1/2017	6.81	
3/23/2017	6.8	
10/4/2017	7.12	
3/16/2018	6.72	
10/4/2018	6.52	
4/9/2019	6.72	
10/1/2019	6.81	
3/31/2020		6.82
9/25/2020		6.82
3/9/2021		6.93
8/10/2021		6.87



# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/23/2016	7.29	
5/17/2016	7.1	
7/6/2016	7	
9/7/2016	7.07	
10/18/2016	6.81	
12/8/2016	6.85	
2/1/2017	7.05	
3/23/2017	6.97	
10/4/2017	7.17	
3/16/2018	6.8	
10/4/2018	6.93	
4/8/2019	7	
10/1/2019	6.97	
3/31/2020		7.17
6/18/2020		6.96 (R)
9/25/2020		6.96
3/9/2021		7.09
8/10/2021		7.06

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
3/23/2016	6.36	
5/18/2016	6.21	
7/6/2016	5.88	
9/7/2016	5.77	
10/18/2016	5.9	
12/9/2016	5.73	
2/2/2017	6.29	
3/24/2017	6.32	
10/4/2017	6.03	
3/15/2018	6.05	
10/4/2018	5.92	
4/8/2019	6.26	
10/1/2019	6.09	
3/30/2020		6.48
6/19/2020		6.45 (R)
9/24/2020		6.32
3/9/2021		6.59
8/10/2021		6.29

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-8	GWC-8
3/23/2016	7.46	
5/18/2016	7.4	
7/6/2016	7.36	
9/8/2016	7.45	
10/18/2016	7.5	
12/8/2016	7.28	
2/2/2017	7.45	
3/24/2017	7.28	
10/5/2017	7.53	
3/14/2018	7.28	
10/4/2018	7.22	
4/8/2019	6.91	
6/18/2019	6.85	
6/27/2019	7.05	
10/1/2019	7.11	
3/27/2020		7.01
6/19/2020		6.81 (R)
9/24/2020		6.96
3/9/2021		7.06
8/10/2021		6.65

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/23/2016	7.2	
5/18/2016	6.96	
7/6/2016	6.89	
9/8/2016	6.93	
10/19/2016	6.84	
12/8/2016	6.54	
2/2/2017	6.72	
3/27/2017	6.56	
10/5/2017	7.03	
3/15/2018	6.66	
10/5/2018	6.41	
4/8/2019	6.72	
10/1/2019	6.77	
3/27/2020		7.11
9/24/2020		6.75
3/9/2021		6.92
8/10/2021		6.91

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/22/2016	4.4409	
5/17/2016	4.43	
7/5/2016	4.6	
9/7/2016	4.8	
10/18/2016	4.7	
12/6/2016	4.7	
1/31/2017	5.1	
3/23/2017	4.7	
10/4/2017	5	
3/14/2018	5.1	
10/4/2018	5.2	
4/8/2019	4.6	
9/30/2019	4.9	
3/26/2020		5
9/23/2020		6.6
3/8/2021		4.6
8/9/2021		4.7

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-11	GWA-11
3/22/2016	11.6823	
5/17/2016	11.4	
7/6/2016	12	
9/7/2016	13	
10/18/2016	13	
12/6/2016	12	
2/1/2017	13	
3/24/2017	12	
10/5/2017	13	
3/15/2018	12.2	
10/4/2018	15.6	
4/8/2019	13.2	
9/30/2019	11.5	
3/26/2020		10.8
9/22/2020		9.8
3/8/2021		11.5
8/10/2021		11.2

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-2	GWA-2
3/22/2016	13.0789	
5/17/2016	15.3	
7/5/2016	15	
9/7/2016	16	
10/18/2016	16	
12/7/2016	15	
1/31/2017	13	
3/23/2017	12	
10/4/2017	12	
3/14/2018	13.9	
10/4/2018	17.4	
4/8/2019	18.1	
9/30/2019	17.5	
3/26/2020		15.6
9/21/2020		18.2
3/9/2021		16.8
8/9/2021		23.2

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/22/2016	107.476	
5/17/2016	106	
7/5/2016	110	
9/7/2016	83	
10/18/2016	110	
12/6/2016	220	
2/1/2017	190	
3/23/2017	160	
10/4/2017	140	
3/15/2018	119	
10/4/2018	117	
4/5/2019	131	
9/30/2019	118	
3/26/2020		95.8
9/23/2020		95.6
3/8/2021		99.5
8/9/2021		93.3



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/22/2016	302.2975	
5/17/2016	213	
7/6/2016	280	
9/7/2016	160	
10/18/2016	120	
12/6/2016	210	
2/1/2017	200	
3/24/2017	140	
10/4/2017	140	
3/15/2018	167	
10/4/2018	209	
4/8/2019	248	
9/30/2019	117	
3/26/2020		128
9/23/2020		123
3/8/2021		152
8/9/2021		106

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/23/2016	14.6529	
5/17/2016	13.3	
7/6/2016	10	
9/7/2016	10	
10/18/2016	10	
12/6/2016	11	
2/2/2017	11	
3/27/2017	33	
10/5/2017	16	
3/15/2018	33.9	
5/15/2018	29.1	
10/4/2018	29.5	
4/9/2019	21.4	
10/1/2019	13.4	
3/27/2020		10.8
9/25/2020		11.6
3/9/2021		14.2
8/10/2021		14.9

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-18	GWC-18
3/24/2016	10.1818	
5/19/2016	9.58	
7/7/2016	9.6	
9/8/2016	9.4	
10/19/2016	9.9	
12/8/2016	14	
2/2/2017	13	
3/27/2017	12	
10/5/2017	12	
3/16/2018	11.7	
10/5/2018	10.6	
4/9/2019	11.3	
10/1/2019	8.9	
3/30/2020		9.7
9/24/2020		8.5
3/9/2021		7.9
8/10/2021		10.3

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-19	GWC-19
3/24/2016	16.8473	
5/18/2016	18.4	
7/6/2016	17	
9/8/2016	16	
10/18/2016	19	
12/7/2016	13	
2/2/2017	14	
3/27/2017	18	
10/5/2017	16	
3/15/2018	14.8	
10/4/2018	15.9	
4/9/2019	16.7	
10/1/2019	14.7	
3/31/2020		17.8
9/28/2020		15.8
3/10/2021		18.7
8/10/2021		17.8

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-20	GWC-20
3/23/2016	22.9683	
5/18/2016	19.2	
7/7/2016	31	
9/8/2016	30	
10/19/2016	32	
12/7/2016	26	
2/3/2017	27	
3/27/2017	30	
10/5/2017	32	
3/16/2018	37.5	
5/15/2018	41	
10/5/2018	38.9	
12/11/2018	41.8	
4/9/2019	50.3	
6/18/2019	38.7	
6/27/2019	46	
10/1/2019	52.3	
11/6/2019	47.3	
3/31/2020		53.6
9/23/2020		58.9
3/10/2021		64.7
8/10/2021		66.4

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/24/2016	24.8075	
5/18/2016	26.2	
7/7/2016	31	
9/8/2016	33	
10/19/2016	31	
12/7/2016	19	
2/2/2017	52	
3/27/2017	29	
10/5/2017	33	
3/15/2018	38	
10/4/2018	19.3	
4/9/2019	19.9	
10/1/2019	46.3	
3/31/2020		29.9
9/24/2020		37.6
3/9/2021		41.6
8/10/2021		23.8

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-22	GWC-22
3/23/2016	9.1183	
5/18/2016	6.88	
7/7/2016	6.8	
9/8/2016	6.8	
10/19/2016	7.5	
12/7/2016	11	
2/2/2017	9.9	
3/27/2017	8.4	
10/5/2017	7.4	
3/15/2018	8.2	
10/4/2018	6.4	
4/9/2019	11	
10/1/2019	1.9	
3/31/2020		10.9
9/23/2020		5
3/9/2021		6.4
8/10/2021		6.2

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-23	GWC-23
3/23/2016	6.2867	
5/19/2016	5.42	
7/7/2016	5.7	
9/8/2016	5.7	
10/19/2016	5.8	
12/7/2016	5.9	
2/3/2017	38	
3/27/2017	43	
10/5/2017	8.3	
3/15/2018	14	
10/5/2018	9.3	
4/8/2019	6.2	
10/1/2019	5.8	
3/26/2020		14.5
9/23/2020		5.3
3/9/2021		10.2
8/10/2021		8



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-5	GWC-5
3/23/2016	76.011	
5/17/2016	76.2	
7/6/2016	74	
9/7/2016	64	
10/18/2016	65	
12/8/2016	100	
2/1/2017	150	
3/23/2017	130	
10/4/2017	71	
3/16/2018	77.4	
10/4/2018	90.3	
4/9/2019	83.6	
10/1/2019	68.1	
3/31/2020		92.6
9/25/2020		80.7
3/9/2021		86.9
8/10/2021		76.1

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/23/2016	87.512	
5/17/2016	101	
7/6/2016	110	
9/7/2016	97	
10/18/2016	120	
12/8/2016	100	
2/1/2017	110	
3/23/2017	110	
10/4/2017	130	
12/14/2017	130	
1/18/2018	110	
3/16/2018	93.6	
10/4/2018	137	
12/11/2018	110	
4/8/2019	131	
6/19/2019	108	
10/1/2019	71.7	
3/31/2020		106
9/25/2020		110
3/9/2021		105
8/10/2021		95.9

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
3/23/2016	90.229	
5/18/2016	100	
7/6/2016	130	
9/7/2016	130	
10/18/2016	140	
12/8/2016	140	
2/2/2017	71	
3/24/2017	68	
10/4/2017	120	
3/15/2018	118	
10/4/2018	167	
4/8/2019	97.1	
10/1/2019	120	
3/30/2020		64.6
9/24/2020		120
3/9/2021		87.4
8/10/2021		101

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-8	GWC-8
3/23/2016	26.3455	
5/19/2016	31.7	
7/6/2016	36	
9/8/2016	45	
10/18/2016	49	
12/8/2016	50	
2/2/2017	51	
3/24/2017	46	
10/5/2017	48	
3/14/2018	36.8	
10/4/2018	45.4	
4/8/2019	39.9	
10/1/2019	47.1	
3/27/2020		31.5
9/24/2020		48.3
3/9/2021		33.1
8/10/2021		31.6

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/23/2016	61.8335	
5/19/2016	64.3	
7/6/2016	69	
9/8/2016	68	
10/19/2016	69	
12/8/2016	69	
2/2/2017	76	
3/27/2017	68	
10/5/2017	74	
3/15/2018	57.8	
10/5/2018	81.9	
12/11/2018	73.6	
4/8/2019	73.5	
10/1/2019	72.2	
3/27/2020		54
9/24/2020		69.9
3/9/2021		65.1 (M1)
8/10/2021		76.3

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-1	GWA-1
3/22/2016	78	
5/17/2016	67	
7/5/2016	87	
9/7/2016	125	
10/18/2016	133	
12/6/2016	151	
1/31/2017	135	
3/23/2017	72	
10/4/2017	91	
3/14/2018	99	
10/4/2018	112	
4/8/2019	91	
9/30/2019	126	
3/26/2020		73
9/23/2020		117
3/8/2021		96
8/9/2021		96

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-11	GWA-11
3/22/2016	112	
5/17/2016	121	
7/6/2016	98	
9/7/2016	128	
10/18/2016	115	
12/6/2016	153	
2/1/2017	183	
3/24/2017	121	
10/5/2017	113	
3/15/2018	115	
10/4/2018	135	
4/8/2019	142	
9/30/2019	134	
3/26/2020		76
9/22/2020		107
3/8/2021		107
8/10/2021		107

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-2	GWA-2
3/22/2016	233	
5/17/2016	197	
7/5/2016	218	
9/7/2016	240	
10/18/2016	221	
12/7/2016	235	
1/31/2017	253	
3/23/2017	190	
10/4/2017	192	
3/14/2018	204	
10/4/2018	233	
4/8/2019	209	
9/30/2019	242	
3/26/2020		222
9/21/2020		204
3/9/2021		227 (D6)
8/9/2021		245



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-3	GWA-3
3/22/2016	451	
5/17/2016	430	
7/5/2016	418	
9/7/2016	443	
10/18/2016	415	
12/6/2016	653	
2/1/2017	615	
3/23/2017	506	
10/4/2017	492	
3/15/2018	448	
10/4/2018	472	
4/5/2019	456	
9/30/2019	475	
3/26/2020		450
9/23/2020		473
3/8/2021		415
8/9/2021		416

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWA-4	GWA-4
3/22/2016	686	
5/17/2016	533	
7/6/2016	646	
9/7/2016	493	
10/18/2016	455	
12/6/2016	597	
2/1/2017	638	
3/24/2017	579	
10/4/2017	440	
3/15/2018	381	
10/4/2018	490	
4/8/2019	522	
9/30/2019	455	
3/26/2020		466
9/23/2020		421
3/8/2021		460
8/9/2021		371

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-10	GWC-10
3/23/2016	182	
5/17/2016	178	
7/6/2016	135	
9/7/2016	165	
10/18/2016	113	
12/6/2016	194	
2/2/2017	160	
3/27/2017	252	
10/5/2017	177	
3/15/2018	216	
10/4/2018	222	
4/9/2019	213	
10/1/2019	186	
3/27/2020		118
9/25/2020		153
3/9/2021		201
8/10/2021		185

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-18	GWC-18
3/24/2016	205	
5/19/2016	204	
7/7/2016	181	
9/8/2016	193	
10/19/2016	231	
12/8/2016	166	
2/2/2017	191	
3/27/2017	427	
10/5/2017	207	
3/16/2018	199	
10/5/2018	235	
4/9/2019	212	
10/1/2019	196	
3/30/2020		217
9/24/2020		181
3/9/2021		192
8/10/2021		224

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-19	GWC-19
3/24/2016	232	
5/18/2016	245	
7/6/2016	231	
9/8/2016	252	
10/18/2016	288	
12/7/2016	220	
2/2/2017	220	
3/27/2017	393	
10/5/2017	242	
3/15/2018	213	
10/4/2018	231	
4/9/2019	253	
10/1/2019	229	
3/31/2020		233
9/28/2020		214
3/10/2021		223 (D6)
8/10/2021		209

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-20	GWC-20
3/23/2016	208	
5/18/2016	213	
7/7/2016	212	
9/8/2016	201	
10/19/2016	276	
12/7/2016	186	
2/3/2017	219	
3/27/2017	239	
10/5/2017	216	
3/16/2018	216	
10/5/2018	256	
4/9/2019	267	
10/1/2019	271	
3/31/2020		267
9/23/2020		277
3/10/2021		241
8/10/2021		270

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-21	GWC-21
3/24/2016	110	
5/18/2016	153	
7/7/2016	151	
9/8/2016	285	
10/19/2016	314	
12/7/2016	252	
2/2/2017	138	
3/27/2017	88	
10/5/2017	111	
3/15/2018	219	
10/4/2018	152	
4/9/2019	167	
10/1/2019	336	
11/6/2019	336	
11/26/2019	236	
3/31/2020		111
9/24/2020		286
3/9/2021		243
8/10/2021		121

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-22	GWC-22
3/23/2016	206	
5/18/2016	212	
7/7/2016	206	
9/8/2016	214	
10/19/2016	269	
12/7/2016	199	
2/2/2017	211	
3/27/2017	324	
10/5/2017	219	
3/15/2018	190	
10/4/2018	215	
4/9/2019	222	
10/1/2019	220	
3/31/2020		195
9/23/2020		231
3/9/2021		178
8/10/2021		206



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-23	GWC-23
3/23/2016	168	
5/19/2016	173	
7/7/2016	144	
9/8/2016	179	
10/19/2016	209	
12/7/2016	156	
2/3/2017	276	
3/27/2017	295	
10/5/2017	192	
3/15/2018	169	
10/5/2018	210	
4/8/2019	191	
10/1/2019	203	
3/26/2020		193
9/23/2020		186
3/9/2021		216
8/10/2021		178

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-5	GWC-5
3/23/2016	379	
5/17/2016	349	
7/6/2016	346	
9/7/2016	382	
10/18/2016	461	
12/8/2016	379	
2/1/2017	511	
3/23/2017	443	
10/4/2017	359	
3/16/2018	390	
10/4/2018	385	
4/9/2019	371	
10/1/2019	380	
3/31/2020		408
9/25/2020		367
3/9/2021		364
8/10/2021		363

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-6	GWC-6
3/23/2016	310	
5/17/2016	280	
7/6/2016	280	
9/7/2016	324	
10/18/2016	307	
12/8/2016	281	
2/1/2017	354	
3/23/2017	302	
10/4/2017	365	
12/14/2017	406	
1/18/2018	404	
3/16/2018	317	
10/4/2018	371	
4/8/2019	353	
10/1/2019	348	
3/31/2020		349
9/25/2020		345
3/9/2021		298
8/10/2021		318

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-7	GWC-7
3/23/2016	253	
5/18/2016	276	
7/6/2016	239	
9/7/2016	247	
10/18/2016	233	
12/8/2016	373	
2/2/2017	236	
3/24/2017	291	
10/4/2017	264	
3/15/2018	254	
10/4/2018	287	
4/8/2019	295	
10/1/2019	277	
3/30/2020		216
9/24/2020		254
3/9/2021		299
8/10/2021		210

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-8	GWC-8
3/23/2016	239	
5/19/2016	236	
7/6/2016	218	
9/8/2016	225	
10/18/2016	200	
12/8/2016	196	
2/2/2017	231	
3/24/2017	250	
10/5/2017	309	
12/14/2017	322	
1/18/2018	322	
3/14/2018	263	
10/4/2018	292	
4/8/2019	438	
10/1/2019	305	
3/27/2020		329
9/24/2020		307
3/9/2021		308
8/10/2021		425

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 9/2/2021 4:15 PM View: Appendix III  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-9	GWC-9
3/23/2016	204	
5/19/2016	215	
7/6/2016	204	
9/8/2016	201	
10/19/2016	272	
12/8/2016	227	
2/2/2017	209	
3/27/2017	305	
10/5/2017	204	
3/15/2018	280	
10/5/2018	236	
4/8/2019	264	
10/1/2019	237	
3/27/2020		192
9/24/2020		179
3/9/2021		209
8/10/2021		208

FIGURE H.

# Appendix III Interwell Prediction Limits - All Results (No Significant)

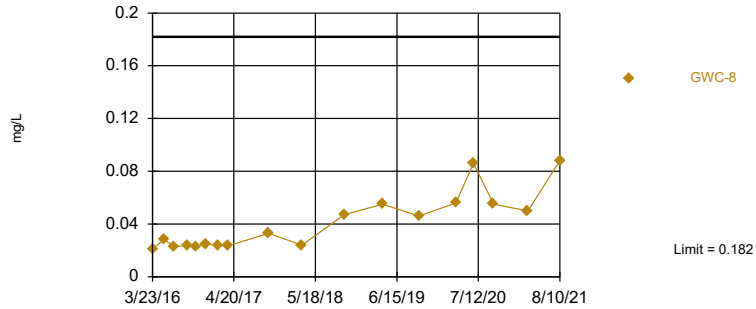
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:33 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg.N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-8	0.182	n/a	8/10/2021	0.088	No	85	n/a	n/a	2.353	n/a	n/a	0.000266	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18	123	n/a	8/10/2021	48.2	No	85	n/a	n/a	2.353	n/a	n/a	0.000266	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	123	n/a	8/10/2021	48.2	No	85	n/a	n/a	2.353	n/a	n/a	0.000266	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-8	123	n/a	8/10/2021	111	No	85	n/a	n/a	2.353	n/a	n/a	0.000266	NP Inter (normality) 1 of 2
pH (SU)	GWC-8	7.186	6.453	8/10/2021	6.65	No	85	6.82	0.1805	0	None	No	0.0003135	Param Inter 1 of 2
Sulfate (mg/L)	GWC-20	302.3	n/a	8/10/2021	66.4	No	85	n/a	n/a	0	n/a	n/a	0.000266	NP Inter (normality) 1 of 2



Within Limit

Prediction Limit  
Interwell Non-parametric

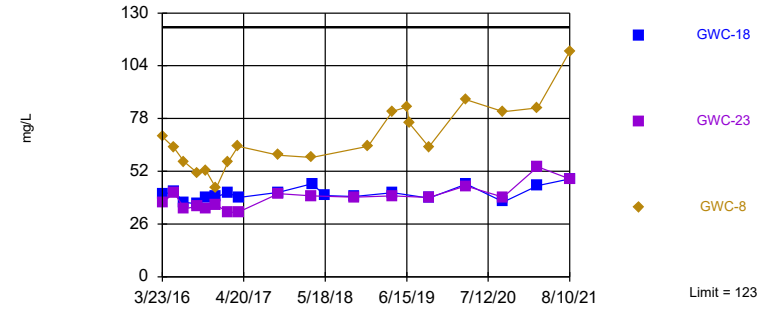


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 85 background values. 2.353% NDs. Annual per-constituent alpha = 0.006366. Individual comparison alpha = 0.000266 (1 of 2). Assumes 11 future values.

Constituent: Boron Analysis Run 9/2/2021 4:33 PM View: Appendix III - Interwell  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Interwell Non-parametric

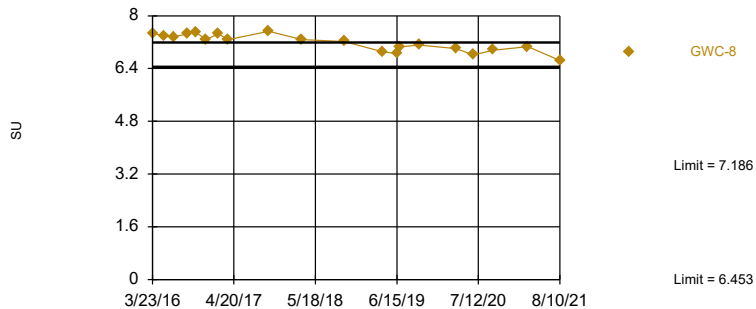


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 85 background values. 2.353% NDs. Annual per-constituent alpha = 0.006366. Individual comparison alpha = 0.000266 (1 of 2). Comparing 3 points to limit. Assumes 9 future values.

Constituent: Calcium Analysis Run 9/2/2021 4:33 PM View: Appendix III - Interwell  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Interwell Parametric

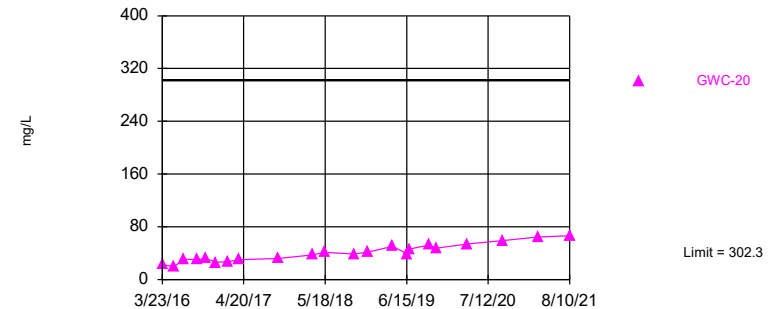


Background Data Summary: Mean=6.82, Std. Dev.=0.1805, n=85. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.991, critical = 0.961. Kappa = 2.029 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003135. Assumes 11 future values.

Constituent: pH Analysis Run 9/2/2021 4:33 PM View: Appendix III - Interwell  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 85 background values. Annual per-constituent alpha = 0.006366. Individual comparison alpha = 0.000266 (1 of 2). Assumes 11 future values.

Constituent: Sulfate Analysis Run 9/2/2021 4:33 PM View: Appendix III - Interwell  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 9/2/2021 4:33 PM View: Appendix III - Interwell

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWA-11 (bg)	GWA-3 (bg)	GWC-8
3/22/2016	<0.1	0.0815 (J)	0.0828 (J)	0.04 (J)	0.135	
3/23/2016						0.0213 (J)
5/17/2016	<0.1	0.0838 (J)	0.0844 (J)	0.0358 (J)	0.132	
5/18/2016						0.028 (J)
7/5/2016	0.0419 (J)		0.0962 (J)		0.161	
7/6/2016		0.111		0.0373 (J)		0.0231 (J)
9/7/2016	0.0174 (J)	0.107	0.0884 (J)	0.0352 (J)	0.163	
9/8/2016						0.0234 (J)
10/18/2016	0.0192 (J)	0.118	0.0889 (J)	0.0332 (J)	0.154	0.0228 (J)
12/6/2016	0.0182 (J)	0.106		0.033 (J)	0.142	
12/7/2016			0.0954			
12/8/2016						0.0251 (J)
1/31/2017	0.0193 (J)		0.0939			
2/1/2017		0.0949		0.0365 (J)	0.143	
2/2/2017						0.0238 (J)
3/23/2017	0.0192 (J)		0.0869		0.15	
3/24/2017		0.0887		0.0343 (J)		0.0234 (J)
10/4/2017	0.0199 (J)	0.105	0.0914		0.182	
10/5/2017				0.0325 (J)		0.0329 (J)
3/14/2018	0.019 (J)		0.075			0.024 (J)
3/15/2018		0.043		0.037 (J)	0.14	
10/4/2018	0.021 (J)	0.1	0.082	0.035 (J)	0.16	0.047 (J)
4/5/2019					0.12	
4/8/2019	0.019 (J)	0.057 (J)	0.071 (J)	0.034 (J)		0.055 (J)
9/30/2019	0.025 (J)	0.11	0.084	0.039 (J)	0.17	
10/1/2019						0.046
3/26/2020	0.022 (J)	0.086 (J)	0.092 (J)	0.041 (J)	0.14	
3/27/2020						0.056 (J)
6/19/2020						0.086 (JR)
9/21/2020			0.086 (J)			
9/22/2020				0.038 (J)		
9/23/2020	0.047 (J)	0.087 (J)			0.15	
9/24/2020						0.055 (J)
3/8/2021	0.021 (J)	0.089		0.042	0.13	
3/9/2021			0.081			0.05
8/9/2021	0.021 (J)	0.073	0.085		0.14	
8/10/2021				0.034 (J)		0.088

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 9/2/2021 4:33 PM View: Appendix III - Interwell

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-4 (bg)	GWA-3 (bg)	GWA-2 (bg)	GWA-11 (bg)	GWC-8	GWC-23	GWC-18
3/22/2016	13.9	123	79.3	47.4	23.8			
3/23/2016						69.1	36.4	
3/24/2016								40.7
5/17/2016	15.6	99.2	75.8	45.5	21.5			
5/18/2016						63.7		41.9
5/19/2016							41.5	
7/5/2016	15.7		65.3	40.5				
7/6/2016		109			20.6	56.8		
7/7/2016							33.5	36.8
9/7/2016	18.2	67.2	59.8	37.3	16.7			
9/8/2016						51.3	34.7	35.9
10/18/2016	17.7	77.9	72.4	46.6	20.3	52.6		
10/19/2016							33.4	38.7
12/6/2016	16.9	93.3	78.6		19.7			
12/7/2016				43.5			35.5	
12/8/2016						43.7		39.4
1/31/2017	17.9			39.2				
2/1/2017		92.8	85		18.1			
2/2/2017						56.5		41.5
2/3/2017							31.7	
3/23/2017	13.9		81.2	38.7				
3/24/2017		96.3			21.1	64.4		
3/27/2017							32	39.1
10/4/2017	15.9	75.1	78.8	36.5				
10/5/2017					20.1	59.9	41	41.6
3/14/2018	<25			39.5		58.8		
3/15/2018		69.9	83.5		<25		39.8	
3/16/2018								45.9
5/16/2018								40
10/4/2018	15.9 (J)	77.8	75.2	41.7	21.3 (J)	264 (o)		
10/5/2018							39.3	39.6
12/11/2018						64.3		
4/5/2019			76.5					
4/8/2019	15.7	86.6		44.1	22.4	81.5	39.8	
4/9/2019								41.4
6/18/2019						83.7		
6/27/2019						75.9		
9/30/2019	17.6	78.3	74.7	44.6	19.6			
10/1/2019						64	39.1	38.7
3/26/2020	14	87.4	78.7	43.2	22.4		44.7	
3/27/2020						87.3		
3/30/2020								45.7
9/21/2020				45.8				
9/22/2020					19.5			
9/23/2020	17.6	74.9	76.2				39.2	
9/24/2020						81.4		36.9
3/8/2021	16.2 (M1)	87.2	73.5		22			
3/9/2021				48.7		83.2	54.3	44.9
8/9/2021	20.2	69.7	73.2	49.9				
8/10/2021					20.8	111	48.2	48.2

# Prediction Limit

Constituent: pH (SU) Analysis Run 9/2/2021 4:33 PM View: Appendix III - Interwell

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-4 (bg)	GWA-3 (bg)	GWA-2 (bg)	GWA-11 (bg)	GWC-8
3/22/2016	7.07	7.14	7.11	7.19	7	
3/23/2016						7.46
5/17/2016	7	6.67	6.95	6.94	6.77	
5/18/2016						7.4
7/5/2016	6.88		6.55	6.98		
7/6/2016		6.53			6.64	7.36
9/7/2016	7.24	6.72	6.81	6.86	6.83	
9/8/2016						7.45
10/18/2016	6.86	6.73	6.64	6.71	6.58	7.5
12/6/2016	6.98	6.61	6.34		6.66	
12/7/2016				6.71		
12/8/2016						7.28
1/31/2017	6.63			6.95		
2/1/2017		6.7	6.68		6.5	
2/2/2017						7.45
3/23/2017	7.12		6.8	7.04		
3/24/2017		6.77			6.72	7.28
10/4/2017	6.83	6.52	6.64	6.86		
10/5/2017					6.69	7.53
3/14/2018	6.66			6.76		7.28
3/15/2018		7.11	6.88		6.48	
10/4/2018	6.92	6.72	6.62	6.62	6.66	7.22
4/5/2019			6.77			
4/8/2019	6.86	6.82		6.79	6.61	6.91
6/18/2019						6.85
6/27/2019						7.05
9/30/2019	7.15	6.77	6.73	6.86	6.86	
10/1/2019						7.11
3/26/2020	7.02	6.74	6.87	7.07	6.83	
3/27/2020						7.01
6/19/2020						6.81 (R)
9/21/2020				6.9		
9/22/2020					6.8	
9/23/2020	6.98	6.81	6.87			
9/24/2020						6.96
3/8/2021	6.86	6.84	6.95		6.78	
3/9/2021				6.93		7.06
8/9/2021	7.23	6.76	6.89	6.9		
8/10/2021					6.84	6.65

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 9/2/2021 4:33 PM View: Appendix III - Interwell

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-4 (bg)	GWA-3 (bg)	GWA-2 (bg)	GWA-11 (bg)	GWC-20
3/22/2016	4.4409	302.2975	107.476	13.0789	11.6823	
3/23/2016						22.9683
5/17/2016	4.43	213	106	15.3	11.4	
5/18/2016						19.2
7/5/2016	4.6		110	15		
7/6/2016		280			12	
7/7/2016						31
9/7/2016	4.8	160	83	16	13	
9/8/2016						30
10/18/2016	4.7	120	110	16	13	
10/19/2016						32
12/6/2016	4.7	210	220		12	
12/7/2016				15		26
1/31/2017	5.1			13		
2/1/2017		200	190		13	
2/3/2017						27
3/23/2017	4.7		160	12		
3/24/2017		140			12	
3/27/2017						30
10/4/2017	5	140	140	12		
10/5/2017					13	32
3/14/2018	5.1			13.9		
3/15/2018		167	119		12.2	
3/16/2018						37.5
5/15/2018						41
10/4/2018	5.2	209	117	17.4	15.6	
10/5/2018						38.9
12/11/2018						41.8
4/5/2019			131			
4/8/2019	4.6	248		18.1	13.2	
4/9/2019						50.3
6/18/2019						38.7
6/27/2019						46
9/30/2019	4.9	117	118	17.5	11.5	
10/1/2019						52.3
11/6/2019						47.3
3/26/2020	5	128	95.8	15.6	10.8	
3/31/2020						53.6
9/21/2020				18.2		
9/22/2020					9.8	
9/23/2020	6.6	123	95.6			58.9
3/8/2021	4.6	152	99.5		11.5	
3/9/2021				16.8		
3/10/2021						64.7
8/9/2021	4.7	106	93.3	23.2		
8/10/2021					11.2	66.4

FIGURE I.

# Appendix III Trend Tests - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 9/2/2021, 4:37 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Boron (mg/L)	GWC-8	0.00798	107	68	Yes	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-8	6.798	91	74	Yes	19	0	n/a	n/a	0.01	NP
pH (SU)	GWC-8	-0.127	-120	-81	Yes	20	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWC-20	7.831	193	92	Yes	22	0	n/a	n/a	0.01	NP

# Appendix III Trend Tests - All Results

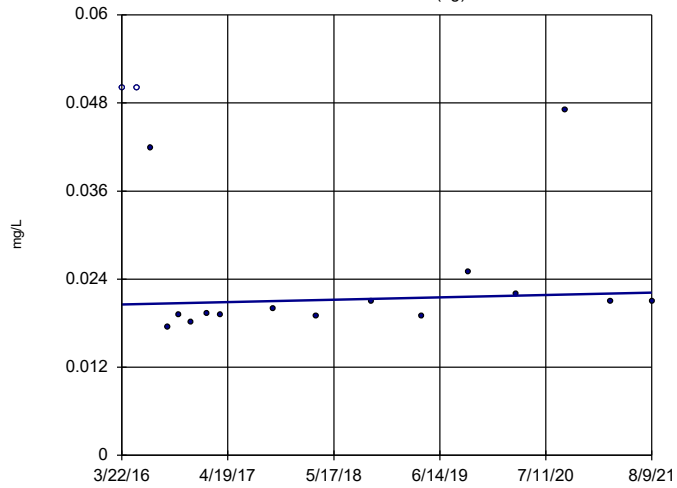
Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 9/2/2021, 4:37 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GWA-1 (bg)	0.0003034	8	63	No	17	11.76	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-11 (bg)	0.0003928	13	63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-2 (bg)	-0.00113	-30	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-3 (bg)	-0.0008083	-14	-63	No	17	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-4 (bg)	-0.003997	-30	-63	No	17	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>GWC-8</b>	<b>0.00798</b>	<b>107</b>	<b>68</b>	<b>Yes</b>	<b>18</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Calcium (mg/L)	GWA-1 (bg)	0.143	22	63	No	17	5.882	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-11 (bg)	-0.01775	-1	-63	No	17	5.882	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-2 (bg)	1.105	32	63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-3 (bg)	-0.4021	-12	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-4 (bg)	-4.644	-50	-63	No	17	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-18	0.927	40	68	No	18	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-23	2.093	51	63	No	17	0	n/a	n/a	0.01	NP
<b>Calcium (mg/L)</b>	<b>GWC-8</b>	<b>6.798</b>	<b>91</b>	<b>74</b>	<b>Yes</b>	<b>19</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
pH (SU)	GWA-1 (bg)	0	0	63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-11 (bg)	0.01097	14	63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-2 (bg)	-0.006259	-9	-63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-3 (bg)	0.02336	23	63	No	17	0	n/a	n/a	0.01	NP
pH (SU)	GWA-4 (bg)	0.02066	38	63	No	17	0	n/a	n/a	0.01	NP
<b>pH (SU)</b>	<b>GWC-8</b>	<b>-0.127</b>	<b>-120</b>	<b>-81</b>	<b>Yes</b>	<b>20</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	GWA-1 (bg)	0.09614	45	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-11 (bg)	-0.1219	-22	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-2 (bg)	0.81	55	63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-3 (bg)	-2.776	-27	-63	No	17	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-4 (bg)	-18.9	-63	-63	No	17	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWC-20</b>	<b>7.831</b>	<b>193</b>	<b>92</b>	<b>Yes</b>	<b>22</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>



### Sen's Slope Estimator

GWA-1 (bg)

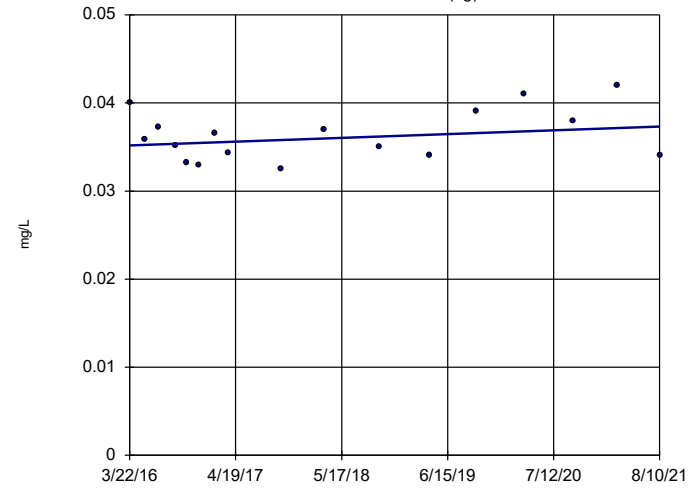


n = 17  
Slope = 0.0003034  
units per year.  
Mann-Kendall  
statistic = 8  
critical = 63  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Boron Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWA-11 (bg)

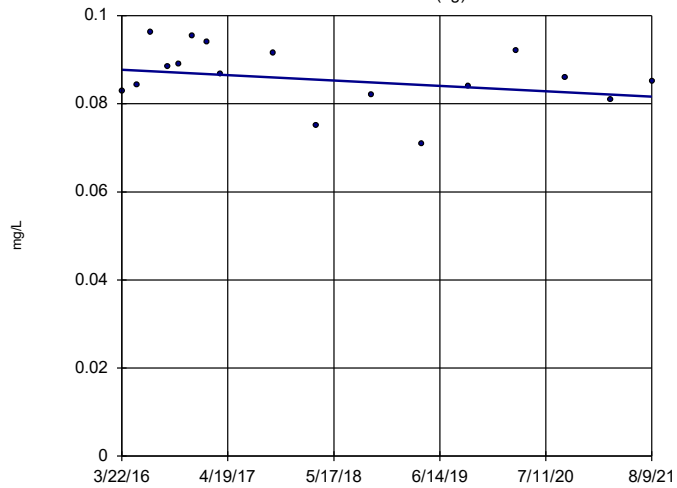


n = 17  
Slope = 0.0003928  
units per year.  
Mann-Kendall  
statistic = 13  
critical = 63  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Boron Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWA-2 (bg)

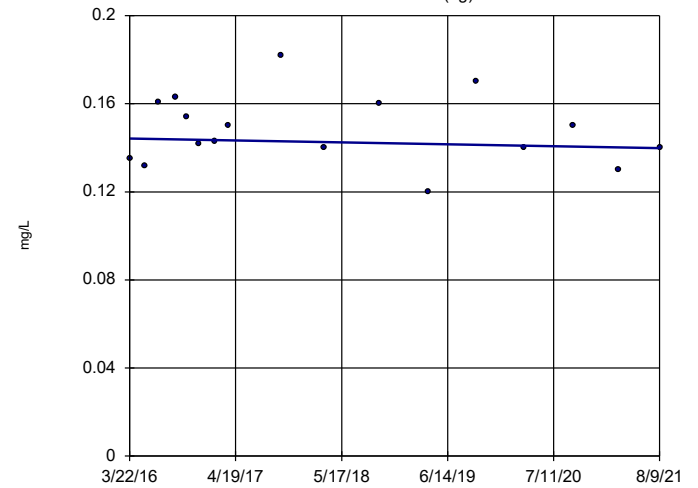


n = 17  
Slope = -0.00113  
units per year.  
Mann-Kendall  
statistic = -30  
critical = -63  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Boron Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

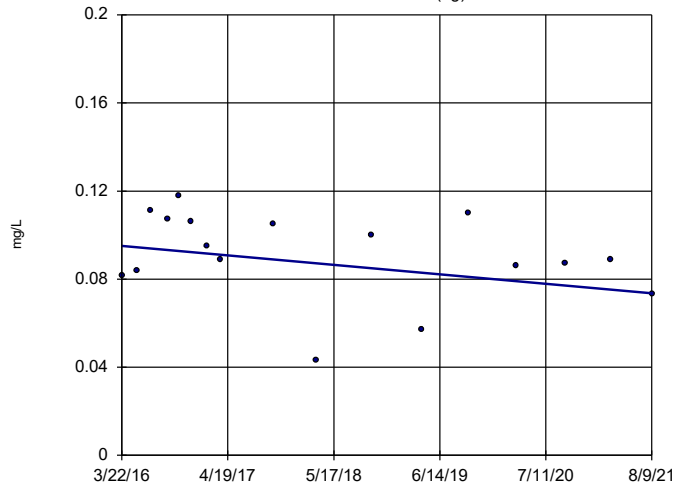
GWA-3 (bg)



n = 17  
Slope = -0.0008083  
units per year.  
Mann-Kendall  
statistic = -14  
critical = -63  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Boron Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

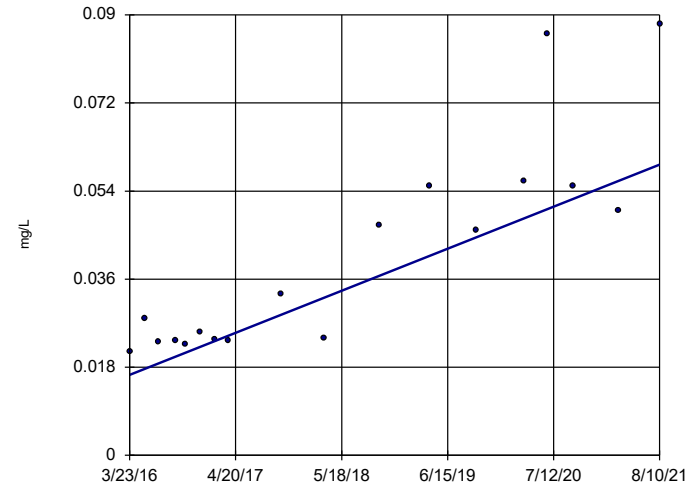
### Sen's Slope Estimator GWA-4 (bg)



n = 17  
Slope = -0.003997 units per year.  
Mann-Kendall statistic = -30  
critical = -63  
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

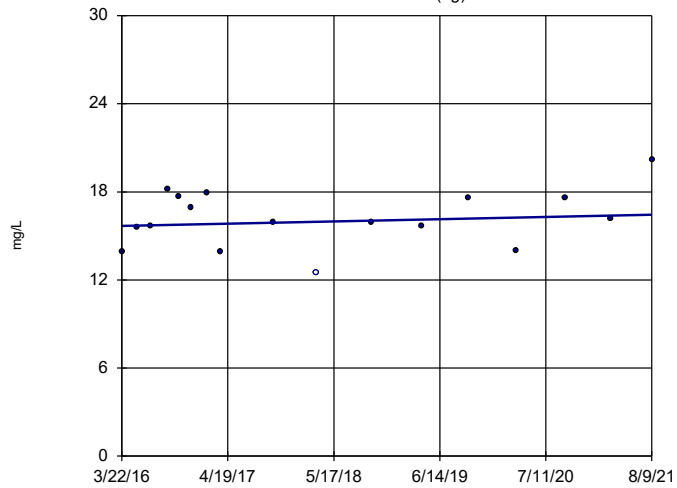
### Sen's Slope Estimator GWC-8



n = 18  
Slope = 0.00798 units per year.  
Mann-Kendall statistic = 107  
critical = 68  
Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

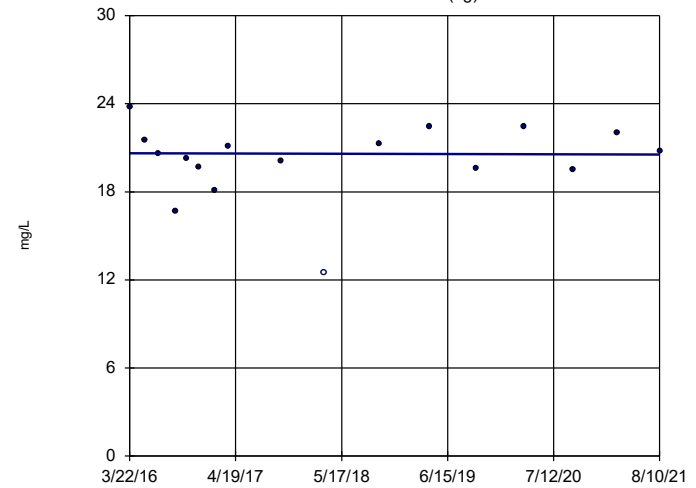
### Sen's Slope Estimator GWA-1 (bg)



n = 17  
Slope = 0.143 units per year.  
Mann-Kendall statistic = 22  
critical = 63  
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWA-11 (bg)

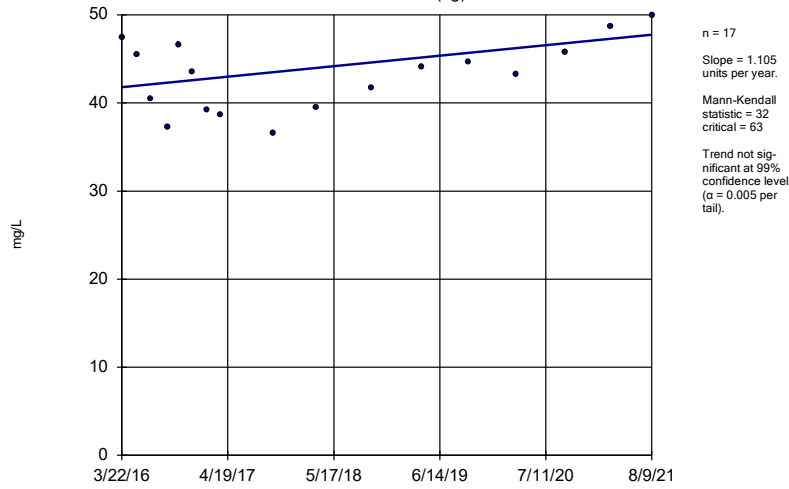


n = 17  
Slope = -0.01775 units per year.  
Mann-Kendall statistic = -1  
critical = -63  
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Calcium Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

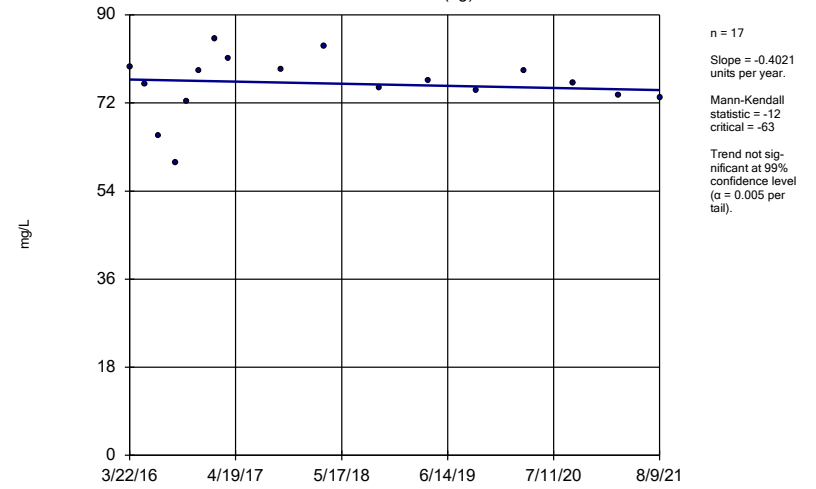
GWA-2 (bg)



Constituent: Calcium Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

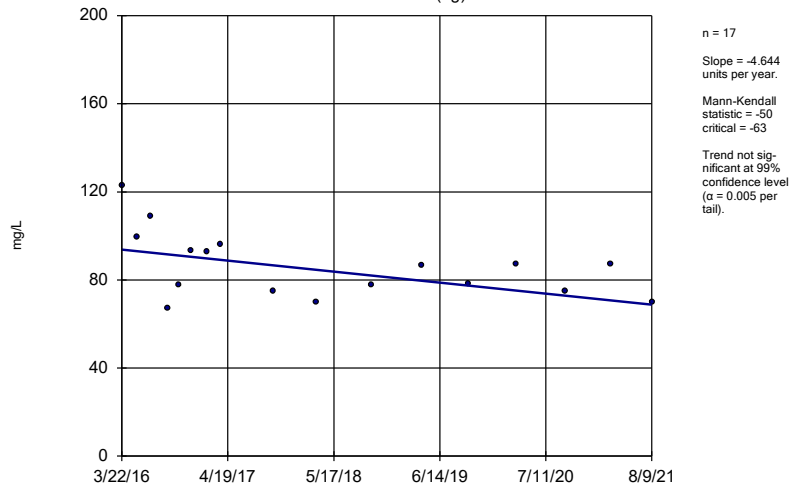
GWA-3 (bg)



Constituent: Calcium Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

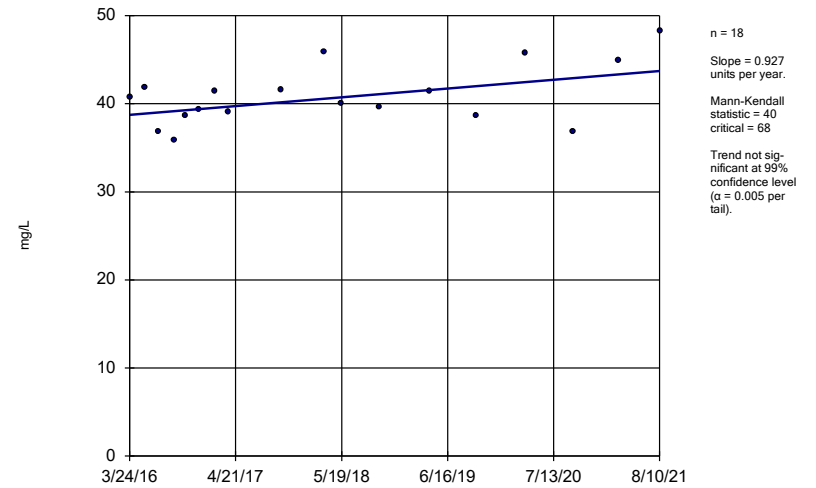
GWA-4 (bg)



Constituent: Calcium Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

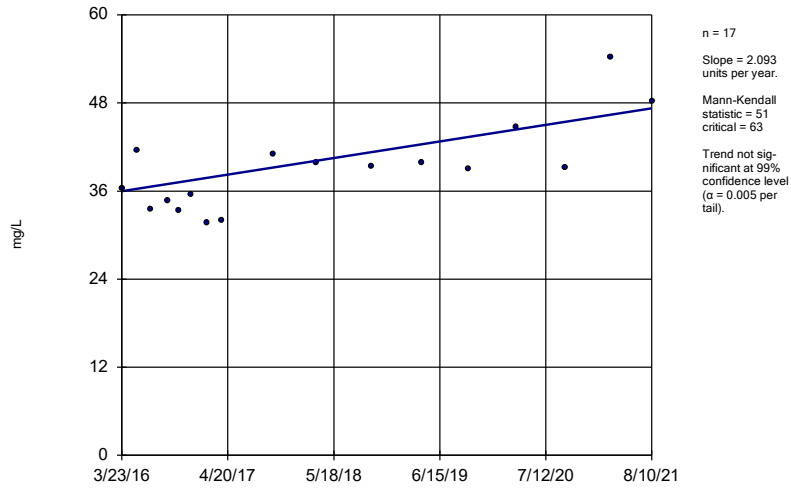
### Sen's Slope Estimator

GWC-18



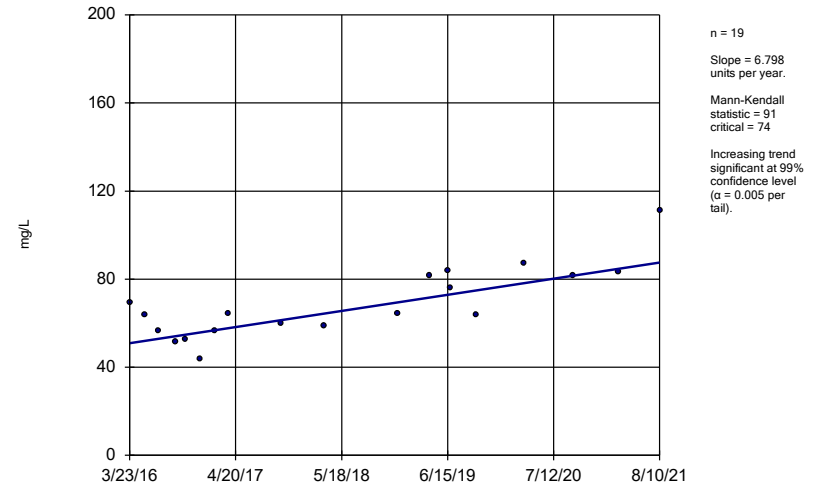
Constituent: Calcium Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWC-23



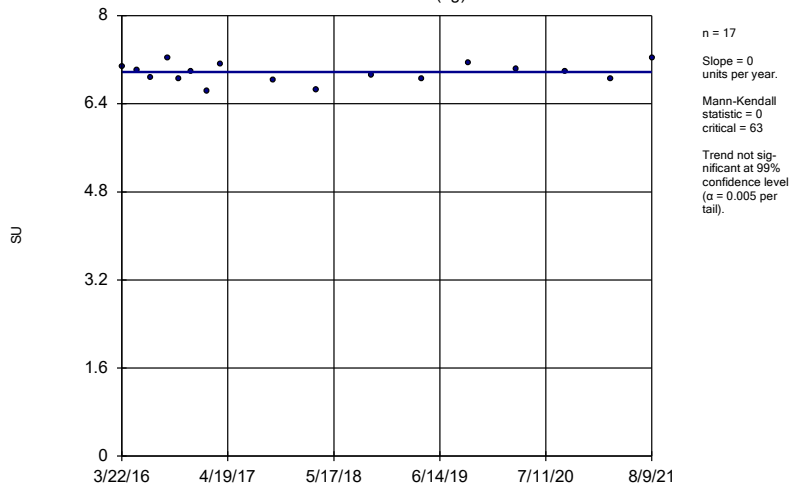
Constituent: Calcium Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWC-8



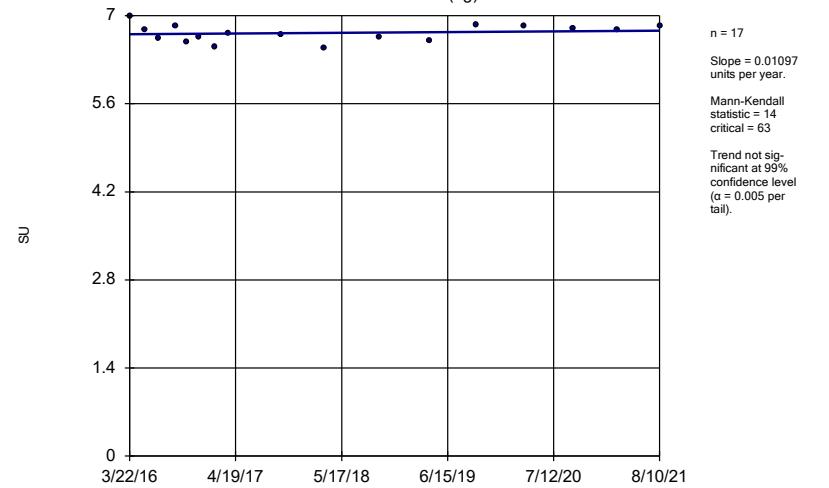
Constituent: Calcium Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-1 (bg)



Constituent: pH Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

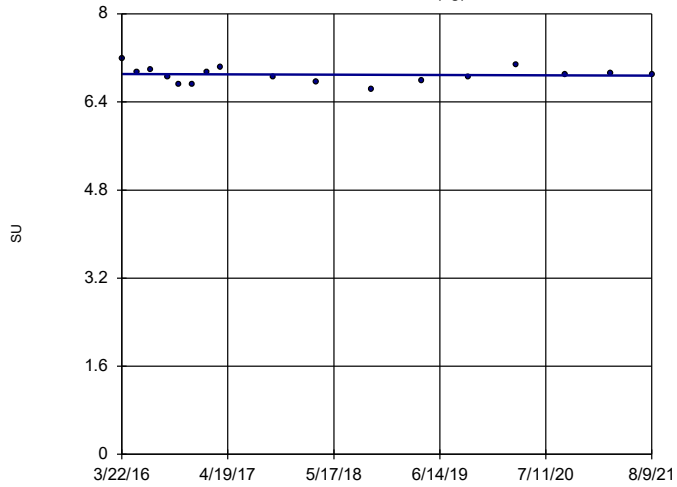
Sen's Slope Estimator  
GWA-11 (bg)



Constituent: pH Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

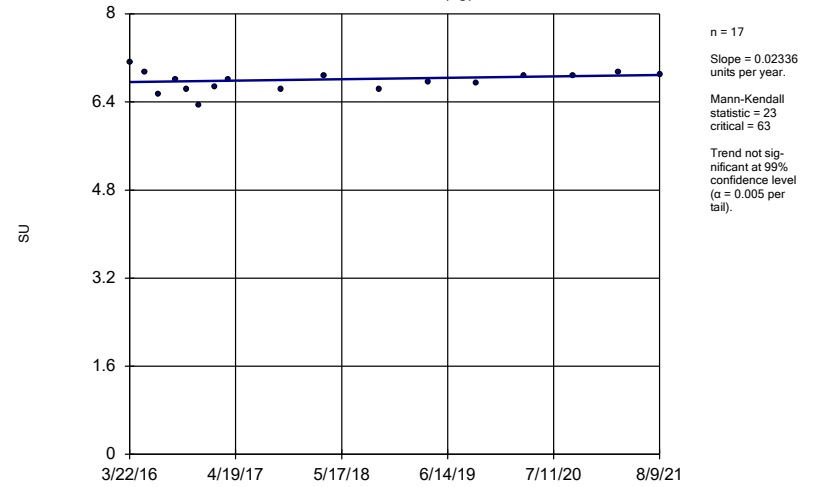
GWA-2 (bg)



Constituent: pH Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

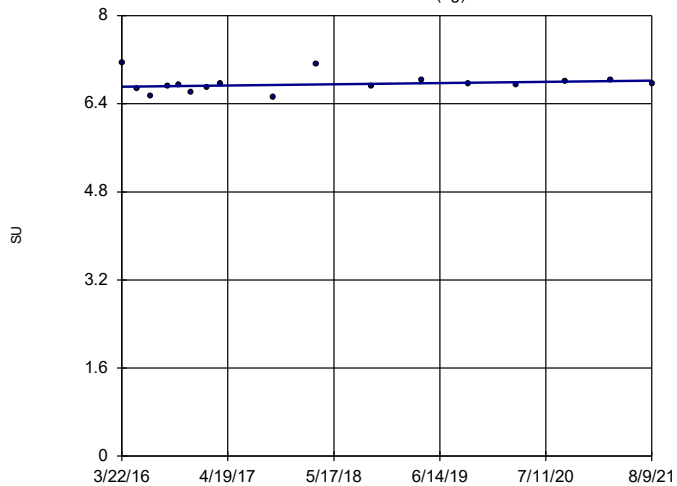
GWA-3 (bg)



Constituent: pH Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

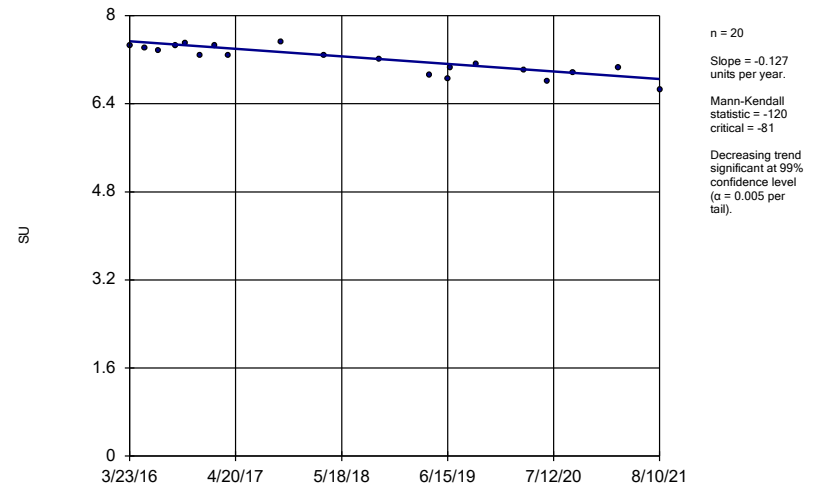
GWA-4 (bg)



Constituent: pH Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

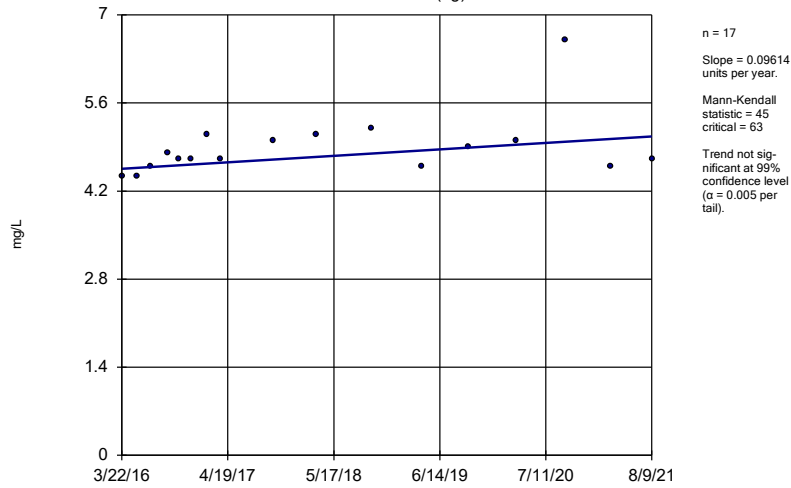
### Sen's Slope Estimator

GWC-8



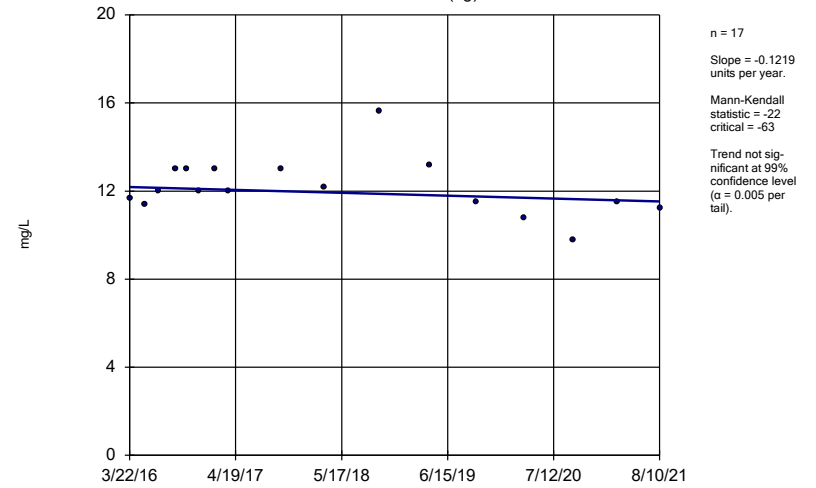
Constituent: pH Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-1 (bg)



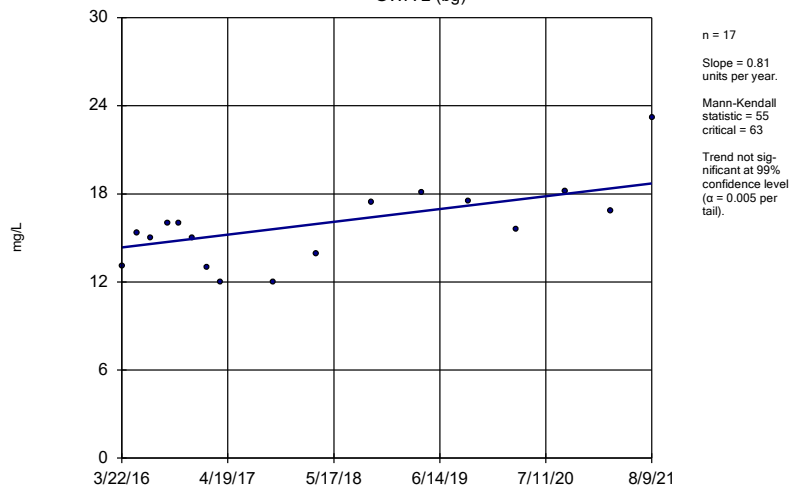
Constituent: Sulfate Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-11 (bg)



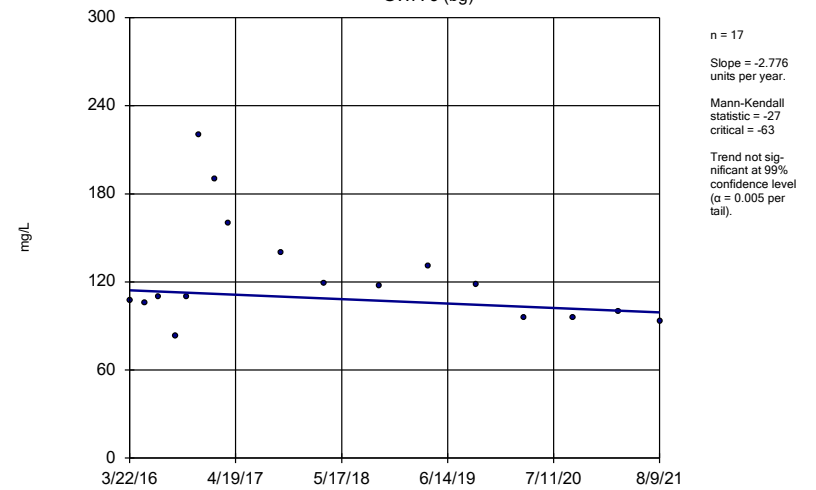
Constituent: Sulfate Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-2 (bg)



Constituent: Sulfate Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

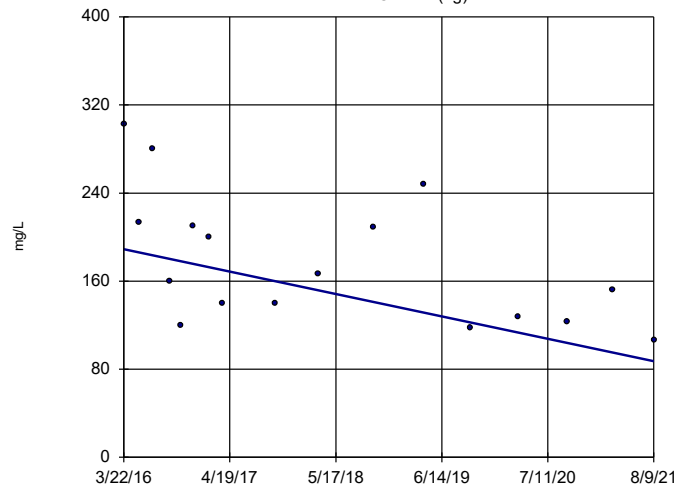
Sen's Slope Estimator  
GWA-3 (bg)



Constituent: Sulfate Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWA-4 (bg)

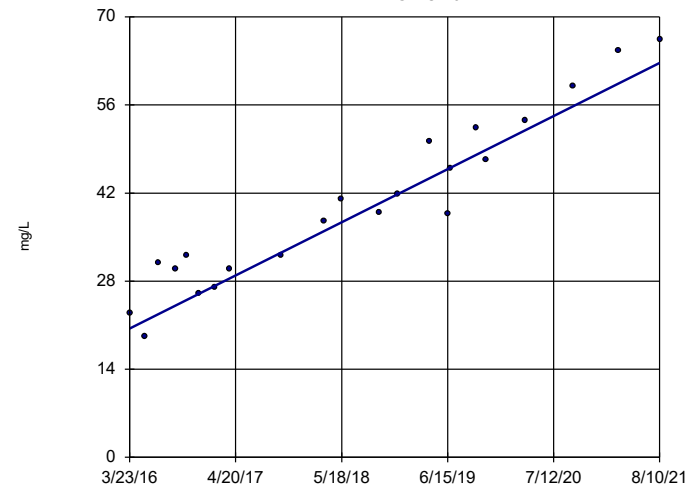


n = 17  
Slope = -18.9  
units per year.  
Mann-Kendall  
statistic = -63  
critical = -63  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Sulfate Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWC-20



n = 22  
Slope = 7.831  
units per year.  
Mann-Kendall  
statistic = 193  
critical = 92  
Increasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Sulfate Analysis Run 9/2/2021 4:36 PM View: Appendix III - Trend Tests  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

FIGURE J.



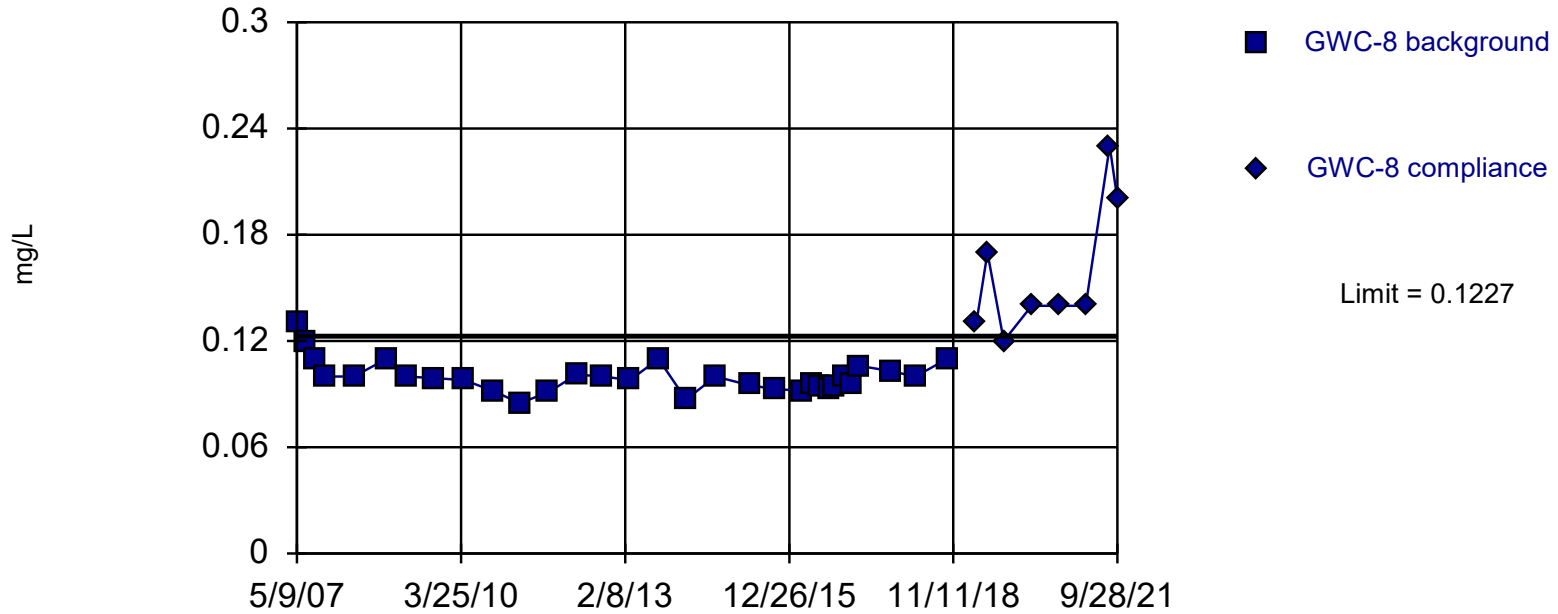
# Appendix I Intrawell Prediction Limits - Resample Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/21/2021, 1:17 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-8	0.1227	n/a	9/28/2021	0.2	Yes	31	0.316	0.01439	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.005	n/a	9/28/2021	0.0009J	No	26	n/a	n/a	96.15	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2

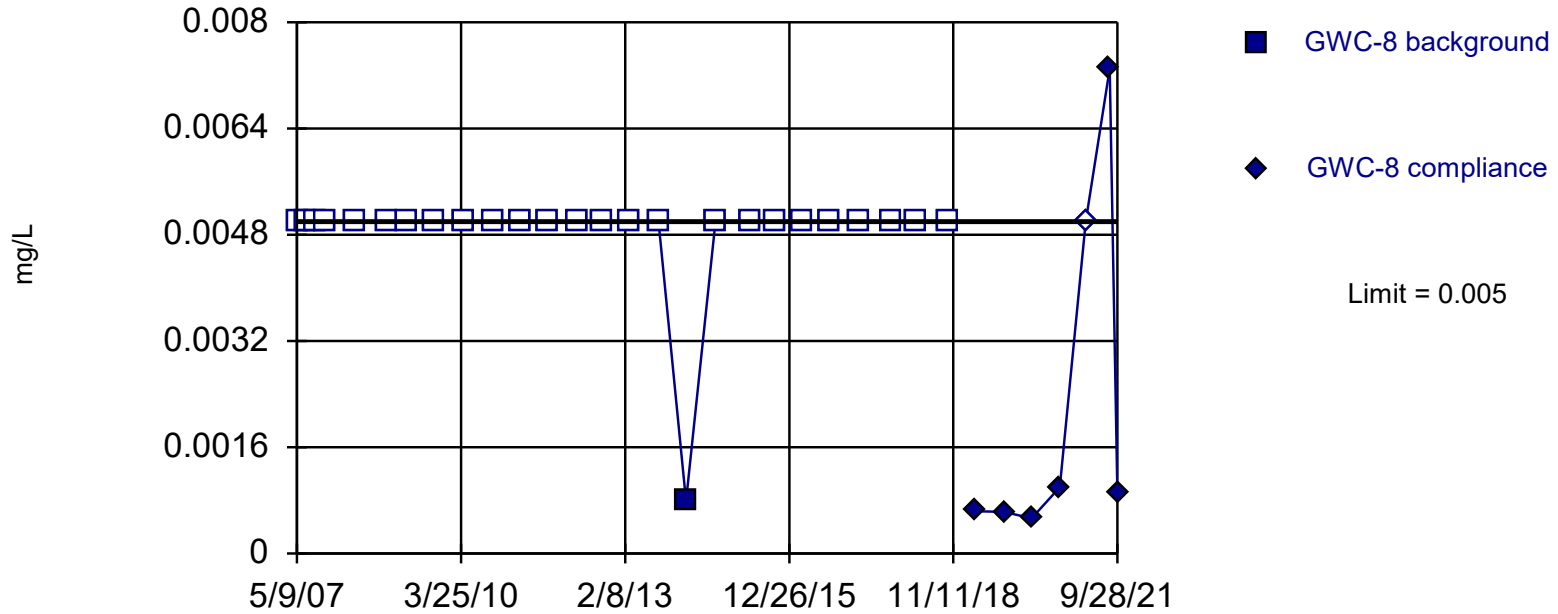
Exceeds Limit

### Prediction Limit Intrawell Parametric



Within Limit

### Prediction Limit Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel    Analysis Run 10/21/2021 1:16 PM    View: State Parameters - Resample  
Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/21/2021 1:17 PM View: State Parameters - Resample

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	0.13	
7/6/2007	0.12	
8/28/2007	0.11	
11/6/2007	0.1	
5/8/2008	0.1	
12/2/2008	0.11	
4/8/2009	0.1	
9/30/2009	0.099	
4/13/2010	0.098	
10/13/2010	0.092	
4/5/2011	0.085	
10/4/2011	0.091	
4/3/2012	0.101	
9/19/2012	0.1	
3/12/2013	0.098	
9/10/2013	0.11	
3/5/2014	0.087	
9/9/2014	0.1	
4/22/2015	0.095	
9/29/2015	0.093	
3/23/2016	0.0918	
5/18/2016	0.0957	
7/6/2016	0.0935	
9/8/2016	0.0925	
10/18/2016	0.0939	
12/8/2016	0.0996	
2/2/2017	0.096	
3/24/2017	0.106	
10/5/2017	0.103	
3/14/2018	0.1	
10/4/2018	0.11	
4/8/2019		0.13
6/18/2019		0.17
10/1/2019		0.12
3/27/2020		0.14
9/24/2020		0.14
3/9/2021		0.14
8/10/2021		0.23
9/28/2021		0.2 (R)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/21/2021 1:17 PM View: State Parameters - Resample

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

---

	GWC-8	GWC-8
5/9/2007	<0.005	
7/6/2007	<0.005	
8/28/2007	<0.005	
11/6/2007	<0.005	
5/8/2008	<0.005	
12/2/2008	<0.005	
4/8/2009	<0.005	
9/30/2009	<0.005	
4/13/2010	<0.005	
10/13/2010	<0.005	
4/5/2011	<0.005	
10/4/2011	<0.005	
4/3/2012	<0.005	
9/19/2012	<0.005	
3/12/2013	<0.005	
9/10/2013	<0.005	
3/5/2014	0.00079 (J)	
9/9/2014	<0.005	
4/22/2015	<0.005	
9/29/2015	<0.005	
3/23/2016	<0.005	
9/8/2016	<0.005	
3/24/2017	<0.005	
10/5/2017	<0.005	
3/14/2018	<0.005	
10/4/2018	<0.005	
4/8/2019		0.00064 (J)
10/1/2019		0.00063 (J)
3/27/2020		0.00053 (J)
9/24/2020		0.001 (J)
3/9/2021		<0.005
8/10/2021		0.0073
9/28/2021		0.0009 (J,R)

FIGURE K.

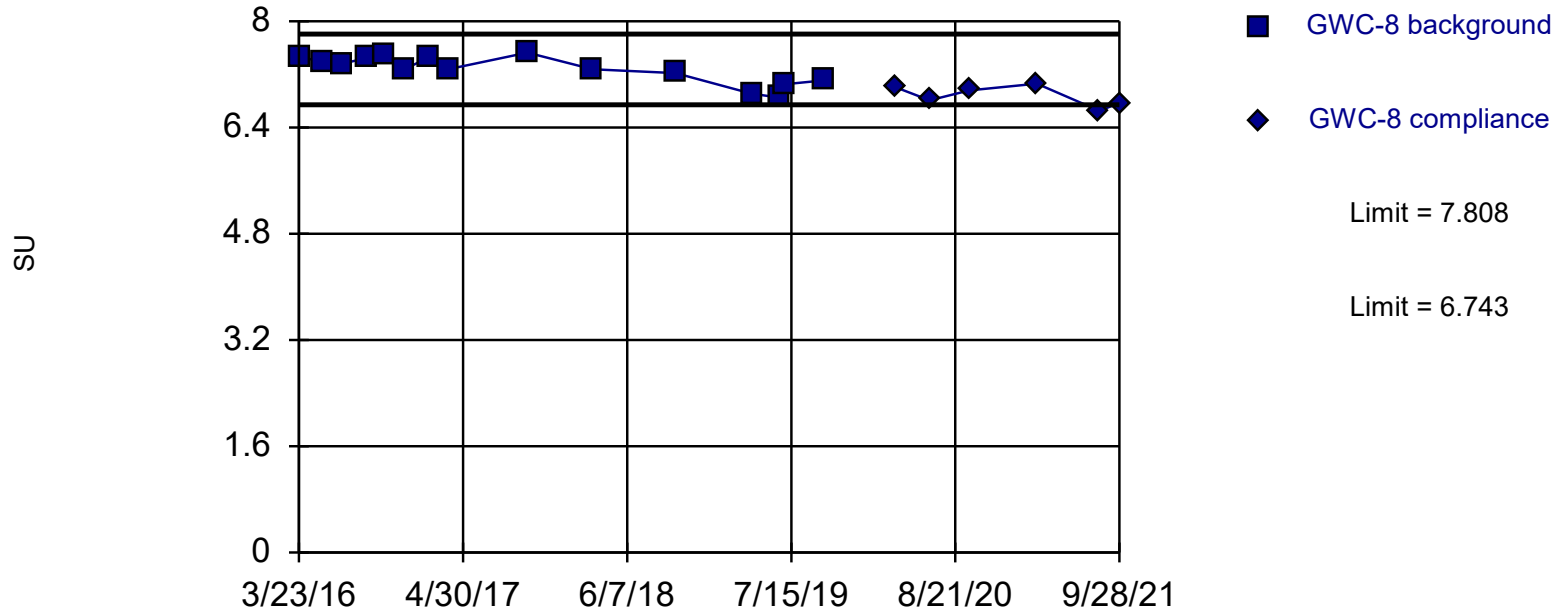
# Appendix III Intrawell Prediction Limits - Resample Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/21/2021, 1:18 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (SU)	GWC-8	7.808	6.743	9/28/2021	6.77	No	15	7.275	0.2119	0	None	No	0.0003135	Param Intra 1 of 2

Within Limits

### Prediction Limit Intrawell Parametric



Background Data Summary: Mean=7.275, Std. Dev.=0.2119, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9103, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/21/2021 1:17 PM View: Appendix III - Resample  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



# Prediction Limit

Constituent: pH (SU) Analysis Run 10/21/2021 1:18 PM View: Appendix III - Resample

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

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	GWC-8	GWC-8
3/23/2016	7.46	
5/18/2016	7.4	
7/6/2016	7.36	
9/8/2016	7.45	
10/18/2016	7.5	
12/8/2016	7.28	
2/2/2017	7.45	
3/24/2017	7.28	
10/5/2017	7.53	
3/14/2018	7.28	
10/4/2018	7.22	
4/8/2019	6.91	
6/18/2019	6.85	
6/27/2019	7.05	
10/1/2019	7.11	
3/27/2020		7.01
6/19/2020		6.81 (R)
9/24/2020		6.96
3/9/2021		7.06
8/10/2021		6.65
9/28/2021		6.77 (R)

FIGURE L.

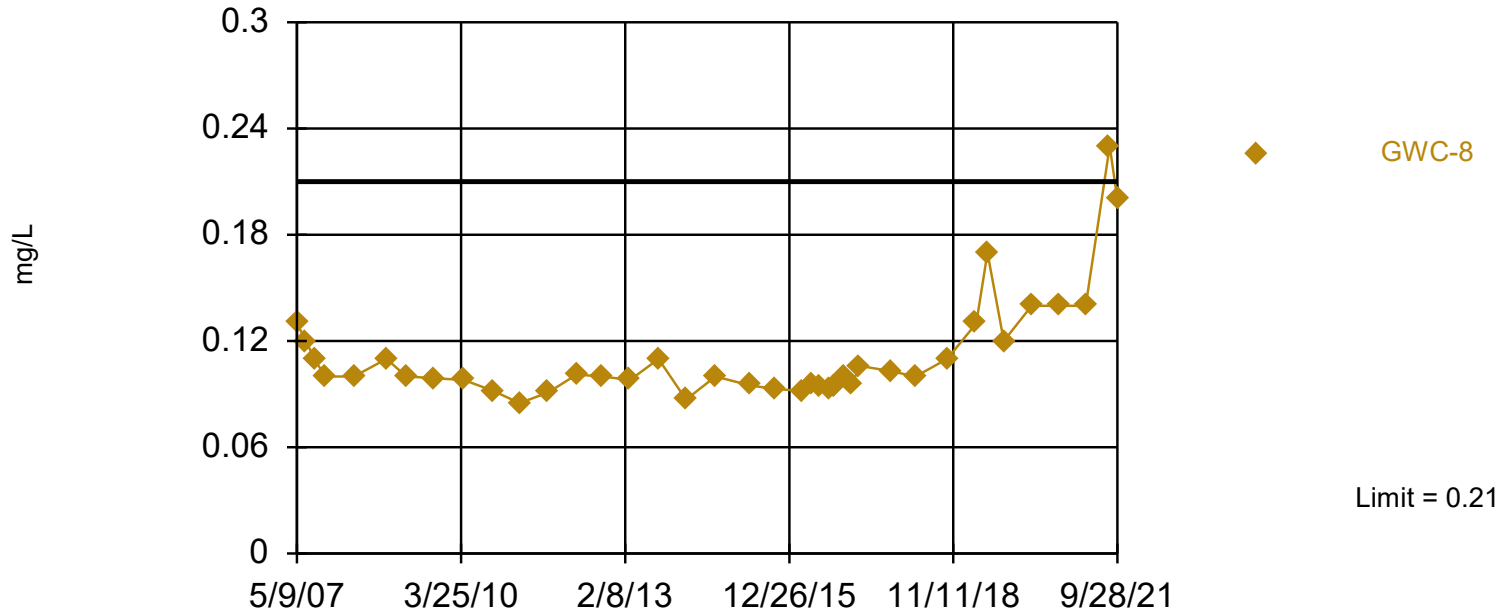
# Appendix I Interwell Prediction Limits - Resample Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/21/2021, 2:25 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-8	0.21	n/a	9/28/2021	0.2	No	190	n/a	n/a	0	n/a	n/a	0.0000548	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit  
Interwell Non-parametric



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/21/2021 2:25 PM View: State Parameters - Resample

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-11 (bg)	GWC-8
3/6/2007	0.032	0.13	0.12	0.17		
3/7/2007					0.03	
5/8/2007	0.04	0.12	0.11	0.21	0.032	
5/9/2007						0.13
7/6/2007						0.12
7/7/2007	0.041		0.11			
7/17/2007		0.12		0.21	0.028	
8/28/2007	0.044	0.13	0.13	0.2	0.03	0.11
11/6/2007	0.044	0.12	0.12	0.19		0.1
11/7/2007					0.032	
5/8/2008		0.13		0.2		0.1
5/9/2008	0.03		0.12		0.032	
12/2/2008					0.036	0.11
12/3/2008	0.047	0.14	0.12	0.18		
4/7/2009	0.032	0.097	0.13	0.2		
4/8/2009					0.04	0.1
9/30/2009						0.099
10/1/2009	0.043		0.14		0.039	
10/2/2009		0.11		0.2		
4/13/2010			0.15			0.098
4/14/2010	0.032	0.059		0.2	0.041	
10/7/2010			0.16			
10/13/2010	0.046				0.039	0.092
10/14/2010		0.053		0.18		
4/5/2011		0.042		0.16		0.085
4/6/2011	0.034		0.14		0.034	
10/4/2011					0.032	0.091
10/6/2011			0.16			
10/10/2011	0.038					
10/12/2011		0.048		0.15		
4/3/2012	0.0363		0.165			0.101
4/4/2012		0.044		0.165		
4/10/2012					0.0425	
9/19/2012			0.16			0.1
9/24/2012	0.041	0.048				
9/26/2012				0.17	0.035	
3/12/2013	0.041	0.043	0.16	0.17	0.035	0.098
9/9/2013			0.17			
9/10/2013		0.042		0.18	0.035	0.11
9/11/2013	0.048					
3/4/2014	0.036		0.16		0.031	
3/5/2014						0.087
3/11/2014		0.04		0.17		
9/3/2014	0.04		0.17		0.033	
9/8/2014		0.042		0.16		
9/9/2014						0.1
4/21/2015	0.033	0.05		0.16	0.03	
4/22/2015			0.17			0.095
9/29/2015		0.044		0.14	0.031	0.093
9/30/2015	0.042		0.15			
3/22/2016	0.0326	0.0397	0.197	0.188	0.0327	
3/23/2016						0.0918

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/21/2021 2:25 PM View: State Parameters - Resample  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWA-3 (bg)	GWA-11 (bg)	GWC-8
5/17/2016	0.0387	0.0351	0.178	0.193	0.0323	
5/18/2016						0.0957
7/5/2016	0.0403		0.182	0.172		
7/6/2016		0.0475			0.0344	0.0935
9/7/2016	0.0413	0.0415	0.172	0.164	0.0324	
9/8/2016						0.0925
10/18/2016	0.0409	0.0424	0.174	0.138	0.0311	0.0939
12/6/2016	0.0408	0.0528		0.149	0.0311	
12/7/2016			0.167			
12/8/2016						0.0996
1/31/2017	0.0435		0.176			
2/1/2017		0.0482		0.121	0.0332	
2/2/2017						0.096
3/23/2017	0.038		0.157	0.143		
3/24/2017		0.0595			0.032	0.106
10/4/2017	0.0396	0.0486	0.143	0.139		
10/5/2017					0.0325	0.103
3/14/2018	0.039		0.17			0.1
3/15/2018		0.04		0.17	0.031	
10/4/2018	0.039	0.05	0.18	0.16	0.033	0.11
4/5/2019				0.13		
4/8/2019	0.031	0.047	0.15		0.031	0.13
6/18/2019						0.17
9/30/2019	0.042	0.051	0.17	0.14	0.03	
10/1/2019						0.12
3/26/2020	0.032	0.049	0.16	0.14	0.031	
3/27/2020						0.14
9/21/2020			0.18			
9/22/2020					0.031	
9/23/2020	0.041	0.043		0.14		
9/24/2020						0.14
3/8/2021	0.035	0.052		0.12	0.031	
3/9/2021			0.17			0.14
8/9/2021	0.046	0.034	0.19	0.12		
8/10/2021					0.03	0.23
9/28/2021						0.2 (R)

FIGURE M.

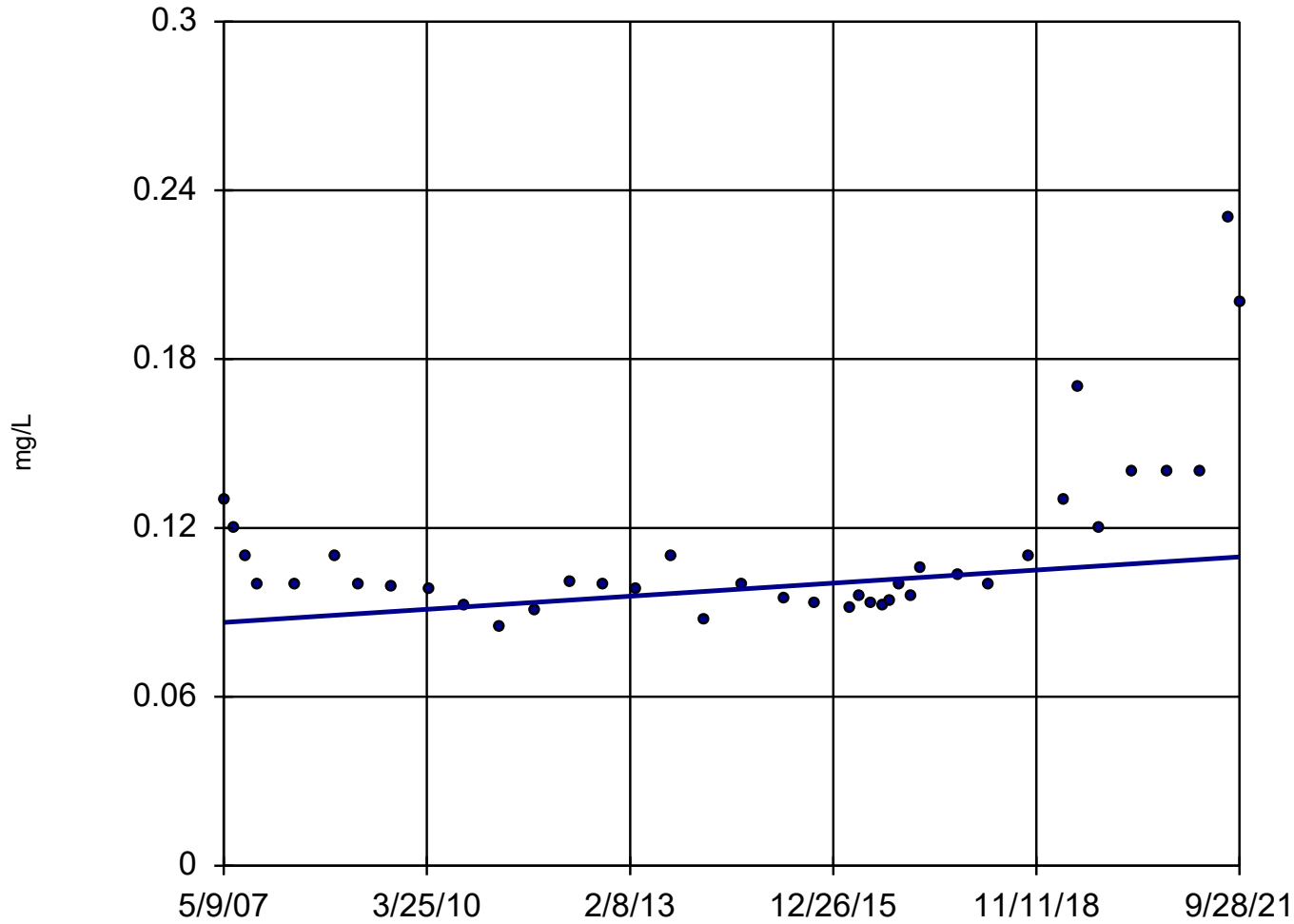
# Appendix I Trend Tests - Resample Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/21/2021, 1:20 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWC-8	0.001617	184	214	No	39	0	n/a	n/a	0.01	NP



### Sen's Slope Estimator GWC-8



n = 39  
Slope = 0.001617  
units per year.  
Mann-Kendall  
statistic = 184  
critical = 214  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Barium    Analysis Run 10/21/2021 1:19 PM    View: Trend Tests - Resample  
Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill