



*Prepared for*

**Georgia Power Company**  
241 Ralph McGill Blvd NE  
Atlanta, Georgia 30308

**2020 ANNUAL GROUNDWATER  
MONITORING AND CORRECTIVE  
ACTION REPORT  
PLANT HAMMOND HUFFAKER ROAD LANDFILL**

*Prepared by*

**Geosyntec**   
consultants

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200  
Kennesaw, Georgia 30144

Project Number GW6581B

January 2021

**CERTIFICATION STATEMENT**

This *2020 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.



---

Whitney Law, P.E.  
Georgia Professional Engineer No. 36641

---

January 29, 2021

Date

## EXECUTIVE SUMMARY

This summary of the *2020 Annual Groundwater Monitoring and Corrective Action Report* provides the status of groundwater monitoring and corrective action program through December 2020 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 U.S. Environmental Protection Agency (USEPA) coal combustion residual rule (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 shown on Figure 1.



Figure 1. 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) (the permit), 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 USEPA CCR rule and the GA EPD Rules for Solid Waste Management 391-3-4-.10. Groundwater at the site is monitored using a monitoring system comprised of five upgradient and 12 downgradient wells installed between September 2001 and February 2007 that meet federal and state monitoring requirements. Groundwater monitoring in accordance with the permit-issued Design and Operations (D&O) Plan began in 2007,

<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 USEPA 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 2020 annual reporting period, the site remained in detection monitoring.

During the 2020 reporting period, Geosyntec conducted two groundwater sampling events in March and September 2020. Groundwater samples were submitted to Pace Analytical Services, LLC, for analysis. Per the CCR Rule, groundwater results for March and September 2020 data were evaluated in accordance with the certified statistical methods. That evaluation showed statistically significant values of Appendix III<sup>2</sup> and Appendix I D&O<sup>3</sup> parameters in wells provided in the table below.

<b>Appendix III Parameter</b>	<b>March 2020</b>	<b>September 2020</b>
Boron	GWC-8	None
<b>Appendix I D&amp;O Parameter</b>	<b>March 2020</b>	<b>September 2020</b>
Barium	GWC-8	None

An alternative source demonstration (ASD) was previously prepared and submitted to address the elevated barium concentration in well GWC-8 (Geosyntec, 2019d), and as such, no further action was required. To address the SSI of boron in well GWC-8, an ASD (Geosyntec, 2020d) was prepared and submitted under separated cover that presented multiple lines of evidence that the SSI was not associated with a release from the landfill.

Based on review of the Appendix III and Appendix I D&O statistical results completed for the groundwater monitoring and corrective action program from January through December 2020, 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.

---

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

<sup>3</sup> Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, thallium, vanadium, and zinc

## TABLE OF CONTENTS

EXECUTIVE SUMMARY .....	ii
1.0 INTRODUCTION .....	1
1.1 Site Description and Background .....	1
1.2 Regional Geology and Hydrogeologic Setting .....	2
1.3 Groundwater Monitoring Well Network .....	3
1.4 Landfill Underdrain Monitoring Point .....	3
2.0 GROUNDWATER MONITORING ACTIVITIES .....	5
2.1 Monitoring Well Installation and Maintenance .....	5
2.2 Alternate Source Demonstrations .....	5
2.3 Detection Monitoring .....	6
3.0 SAMPLE METHODOLOGY & ANALYSIS .....	7
3.1 Groundwater Level Measurement .....	7
3.2 Groundwater Gradient and Flow Velocity .....	7
3.3 Groundwater Sampling Procedures .....	8
3.4 Laboratory Analyses .....	9
3.5 Quality Assurance and Quality Control .....	9
4.0 STATISTICAL ANALYSES .....	11
4.1 Statistical Methods .....	11
4.1.1 Statistical Methods – Appendix III Parameters .....	12
4.1.2 Statistical Methods – Appendix I D&O Parameters .....	12
4.2 Statistical Analysis Results .....	13
4.2.1 First Semiannual Event .....	13
4.2.2 Second Semiannual Event .....	14
5.0 MONITORING PROGRAM STATUS .....	16
6.0 CONCLUSIONS AND FUTURE ACTIONS .....	17
7.0 REFERENCES .....	18

### **LIST OF TABLES**

Table 1	Monitoring Well Network Summary
Table 2	Groundwater Sampling Event Summary
Table 3	Summary of Groundwater Elevations
Table 4	Groundwater Gradient and Flow Velocity Calculations
Table 5	Summary of Groundwater Analytical Data

### **LIST OF FIGURES**

Figure 1	Site Location Map
Figure 2	Monitoring Well Network Map
Figure 3	Potentiometric Surface Contour Map – March 2020
Figure 4	Potentiometric Surface Contour Map – September 2020

### **LIST OF APPENDICES**

Appendix A	Certified Survey Data
Appendix B	Well Inspection Forms
Appendix C	Prepared Alternate Source Demonstrations
Appendix D	Laboratory Analytical and Field Sampling Reports
Appendix E	Statistical Analysis Packages

## LIST OF ACRONYMS

ASD	Alternate Source Demonstration
cm/sec	centimeters per second
CCR	coal combustion residual
CFR	Code of Federal Regulations
D&O	Design and Operations
DO	dissolved oxygen
ft	feet
ft MSL	feet mean sea level
ft/ft	feet per foot
ft/day	feet per day
GA EPD	Georgia Environmental Protection Division
GCS	Groundwater Stats Consulting
Georgia Power	Georgia Power Company
MCL	maximum contaminant level
mg/L	milligrams 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
PQL	practical quantitation limit
QA/QC	quality assurance/quality control
ROS	regression on order statistics
SAR	Site Acceptability Report
SCS	Southern Company Services
SSI	statistically significant increase
SM	standard method
TDS	total dissolved solids
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) (the permit), 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 (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 has prepared this *2020 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 during the 2020 calendar year. A semiannual groundwater report documenting activities from January through August 2020 was prepared and submitted to GA EPD in August 2020 (Geosyntec, 2020c). This report satisfies the reporting requirements of applicable GA EPD Solid Waste Management Rules (391-3-4-.14) and federal and state CCR Rule [§ 257.90(e), 391-3-4-.10]. For ease of reference when discussing aspects of the CCR Rule, only the USEPA CCR rules are 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-mil HDPE 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-in 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 March 2016 to 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 parameters 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, and (1) consists of a sufficient number of wells, (2) installed at appropriate locations and depths to yield groundwater samples from the uppermost aquifer, and (3) represents 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 certified compliance monitoring well network for the landfill consists of 17 wells installed between September 2001 and February 2007. Five monitoring well locations were designed to monitor background, upgradient groundwater quality conditions, with 12 wells installed downgradient of the landfill to serve as compliance wells. 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 sampling the landfill underdrain monitoring point SWC-1 during each semiannual monitoring

event and performing analysis 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 point in order to collect a sample, as was the case for this reporting period. The discharge status of the monitoring point is confirmed during each sampling event.

## 2.0 GROUNDWATER MONITORING ACTIVITIES

The following describes monitoring-related activities performed during January through December 2020 and discusses any change in status of the monitoring program. All groundwater sampling was performed in accordance with § 257.93 and the D&O Plan.

### 2.1 Monitoring Well Installation and Maintenance

The landfill well network was re-surveyed by GEL Solutions June 15 through 17, 2020. The top of the PVC well casing [top of casing (TOC) elevation] and the survey pin installed at each well pad were surveyed to within 0.5-foot horizontal accuracy and to 0.01-foot vertical accuracy. The horizontal location (i.e., northings and eastings) was recorded in feet relative to the North America Datum of 1983 (NAD) with the vertical elevation recorded in feet relative to the North American Vertical Datum of 1988. The new survey data are incorporated into this report's applicable tables; a copy of the well survey data certified by a Georgia-licensed surveyor is provided in **Appendix A**. Additionally, a memorandum was prepared to update and modify well construction details based on the updated survey data and included updated boring and well construction logs for the entire landfill well network. The 'September 2020 Well Installation Addendum' was submitted to GA EPD on September 29, 2020 (Geosyntec, 2020d).

The well and piezometer networks are inspected during each groundwater monitoring event using GA EPD-based inspection criteria. Any issues identified with the wells (e.g., clogged weep holes within the outer protective casing, faded well identification signage, rusted locks and/or latches, etc.) are addressed before the following groundwater sampling event. The well inspection forms are provided in **Appendix B**.

### 2.2 Alternate Source Demonstrations

A statistically significant increase (SSI) of arsenic in compliance well GWC-7 was reported in the *2019 Annual Groundwater Monitoring Report* (Geosyntec, 2020a); a SSI of boron in well GWC-8 was reported in the *2020 Semiannual Groundwater Monitoring Report* (Geosyntec, 2020c). Pursuant to Rule 391-3-4-.14(23)(c), two Alternate Source Demonstrations (ASDs) were prepared that presented multiple lines of evidence to demonstrate that the SSI of arsenic in well GWC-7 and boron in well GWC-8 are not associated with a release from the landfill, but instead associated with natural variation in the groundwater quality. The arsenic ASD (Geosyntec, 2020b) was submitted with the *2020 Semiannual Groundwater Monitoring Report* (Geosyntec 2020c); the boron ASD

was submitted to GA EPD under separate cover in November 2020 (Geosyntec, 2020e). The two ASDs submitted during the 2020 reporting year are provided in **Appendix C**.

ASDs have been previously prepared to address SSIs of the following parameters at the indicated wells: barium (GWC-8 and GWC-10); chloride (GWC-8); cobalt (GWC-7); nickel (GWC-7); pH (GWC-8); sulfate (GWC-20), TDS (GWC-6 and GWC-8); and zinc (GWC-7). These ASDs were previously provided under separate report covers (Geosyntec, 2020a, 2019a, 2018a).

### **2.3 Detection Monitoring**

Georgia Power currently monitors groundwater associated with the landfill under the detection groundwater monitoring program in accordance with Solid Waste Management Rule 391-3-4-.14(22) and federal CCR Rule § 257.94. The detection and verification monitoring events occurred March, June, September, and November 2020 (**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 parameters and Appendix III parameters stipulated by the August 2017 permit modification (Section 1.1). The analytical and statistical results of these events are discussed in Sections 3 and 4, respectively.

### 3.0 SAMPLE METHODOLOGY & 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 January through December 2020.

#### 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 elevation. The calculated groundwater elevations for the March and September 2020 sampling events are presented in **Table 3**. The June 2020 survey data were used to calculate the groundwater elevations for the semiannual sampling events. Elevations reported using the new survey data are generally representative of the groundwater elevations reported for prior monitoring events.

The groundwater elevation data were used to prepare a potentiometric surface map for the March and September 2020 sampling 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 September 2020 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-20 were used for the gradient calculation. The gradient calculations are presented in **Table 4**. The general trajectory 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 2020 data, was calculated to be 0.021 feet per foot (ft/ft), whereas the average hydraulic gradient underneath Parcel E equaled 0.017 ft/ft.

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

$$V = \text{linear velocity} = \frac{K_h \Delta h}{n \Delta l}$$

where:

$$K_h = \text{horizontal hydraulic conductivity}$$

$$\frac{\Delta h}{\Delta l} = \text{hydraulic gradient} = \frac{(h_1 - h_2)}{L}$$

$n$  = effective porosity

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

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

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 0.026 ft/day. Similarly, the average flow velocity underneath Parcel E was calculated to be 0.021 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.

A SmarTroll or Aqua TROLL (In-Situ field instrument) 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

turbidity meter. Groundwater samples were collected once the following stabilization criteria were met:

- $\pm 0.1$  standard units for pH
- $\pm 5\%$  for specific conductance
- $\pm 0.2$  milligrams per liter (mg/L) or 10% for DO > 0.5 mg/L (whichever is greater). No criterion applies if DO < 0.5 mg/L, record only.
- Turbidity measured less than 10 nephelometric turbidity units (NTU)

Following purging, once stabilization was achieved, samples were collected in laboratory-supplied plastic bottles. 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 monitoring events conducted March through November 2020 are provided in **Appendix D**.

### **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 parameters analyzed for this project. Analytical methods used for groundwater sample analysis are listed in the analytical laboratory reports included in **Appendix D**.

The groundwater analytical results from the 2020 detection and verification monitoring events are summarized in **Table 5**. The Pace Analytical laboratory reports associated with these results are provided in **Appendix D**. The pH field measurements recorded during the detection monitoring and verification sampling events are also provided in **Table 5**.

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

Quality assurance/quality control (QA/QC) samples were collected during the groundwater monitoring events in accordance with the site's *Groundwater Monitoring Plan* (Geosyntec, 2018b), and included the following: field duplicates, equipment blanks, and field blank samples. QA/QC samples were collected in laboratory-provided bottles



and submitted under the same chain of custody as the primary samples for analysis of the same parameters 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 report is provided in **Appendix D** with the laboratory reports.

## 4.0 STATISTICAL ANALYSES

The following section presents a summary of the statistical approach applied to independently assess the March and September 2020 groundwater data for potential SSIs of permit stipulated parameters 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 semiannual monitoring event. One dataset contains Appendix III parameters, which is applicable to both of the beforementioned rule sets. The other dataset contains the D&O-specified state-modified list of Appendix I parameters, applicable to Rule 391-3-4.14. The 2020 data were analyzed by Groundwater Stats Consulting (GSC) (GSC, 2020, 2021).

### 4.1 Statistical Methods

Statistical analysis of the 2020 groundwater data for Appendix III parameters was performed pursuant to § 257.93 and in accordance with the PE-certified statistical method. Statistical analysis of the March and September 2020 groundwater data for D&O Appendix I parameters was performed pursuant to Rule 391-3-4-.14 and in accordance with the *Background Data Screening & Recommended Statistical Methods* report prepared by Groundwater Stats Consulting in August 2019 and the USEPA document *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009). The method proposed in the August 2019 report differed from that required by the D&O Plan. Georgia Power submitted a minor permit modification request to GA EPD to change the statistical methods; the minor modification request was approved by GA EPD in a letter dated August 20, 2019 (GA EPD, 2019).

Statistical analysis of the September 2020 monitoring event and November verification event included a two-step analysis similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" [USEPA Unified Guidance (2009), 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 packages provided in **Appendix E** and summarized in Sections 4.1.1 and 4.1.2.

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

The PE-certified statistical approach used to evaluate groundwater data for the landfill for Appendix III parameters 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 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 SSI is identified by intrawell statistical methods, interwell statistical methods may be used as a reasonable second step to determine if the initial exceedance is below sitewide background based on pooled upgradient well data.

The 1-of-2 resample plan allows for collection of an independent resample. 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 Parameters**

The intrawell PL statistical approach was also used to evaluate groundwater data for the landfill for Appendix I D&O parameters with a 1-of-2 resample plan (Groundwater Stats, 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.

The following guidance is also applicable to the Appendix I and Appendix III statistical analysis methods:

- Statistical analyses are not performed on analytes containing 100% non-detects (USEPA, 2009).
- When data contain less than or equal to 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 practical quantitation limit (PQL) as reported by the laboratory.

- When data contain between 15-50% non-detects, a non-detect adjustment such as the Kaplan-Meier or Regression on Order Statistics (ROS) method for adjustment of the mean and standard deviation will be used prior to constructing a parametric PL.
- Nonparametric PLs are used on data containing greater than 50% non-detects.

## **4.2 Statistical Analysis Results**

A statistical analysis package for the 2020 detection monitoring events, and the associated verification sampling events, is provided in **Appendix E**. The 2020 groundwater data were analyzed by Groundwater Stats Consulting (GSC) (GSC, 2020, 2021). A summary of the March and September 2020 semiannual detection monitoring events is presented below.

### **4.2.1 First Semiannual Event**

As presented in the statistical analysis report in **Appendix E** (GSC, 2020), the statistical analysis of the March 2020 groundwater data identified initial PL exceedances for the following Appendix III parameters at the indicated wells: boron (GWC-6 and GWC-8); calcium (GWC-19 and GWC-20); chloride (GWC-7); and pH (GWC-10). Verification groundwater samples were collected June 18 and 19, 2020, in accordance with the 1-of-2 resampling program. The results of the verification samples did not confirm the initial PL exceedances of boron at GWC-6, calcium, chloride, or pH. The verification measurement for boron at GWC-8 continued to be higher than its respective background limit. However, because this value is flagged by the laboratory with “J” to indicate the measurement is an estimated value (i.e. less than the reporting limit of 0.1 mg/L), it is not identified as statistically significant by the Sanitas software. Based on review of historical boron concentrations in GWC-8 and applying professional judgement to be more protective of groundwater, the concentration of boron at GWC-8 was identified as a verified SSI. As described in Section 2.2, an ASD (Geosyntec, 2020e) was prepared that presented multiple lines of evidence that the SSI of boron in well GWC-8 is not associated with a release from the landfill.

The statistical analyses of the Appendix I D&O parameters resulted in barium PL exceedances in GWC-8 and GWC-20. As discussed in Section 2.2, an ASD was submitted in 2019 that addresses the elevated barium concentrations in well GWC-8 (Geosyntec, 2019d). While the Sanitas software identified a statistical exceedance for barium in well GWC-20, it is due to a rounding issue rather than a statistical exceedance, which resulted from the number of significant figures reported for the June 2020 verification measurement of 0.14 mg/L when compared to its prediction limit of 0.1358 mg/L. Therefore, the verification result did not confirm the initial PL exceedance of barium at GWC-20 and no further action is required.

#### **4.2.2 Second Semiannual Event**

Statistical analysis of the September 2020 Appendix III parameter data identified initial PL exceedances of boron at GWC-6, pH at GWC-19, and sulfate at GWC-20. Using the two-step analysis described in the statistical analysis report in **Appendix E** (GSC, 2021), no exceedances were noted above the interwell PLs for boron or sulfate; in addition, as described in Section 2.2, an ASD was previously prepared and submitted to address the elevated sulfate concentrations in GWC-20 (Geosyntec, 2019c). The verification event conducted November 10, 2020, for GWC-19 did not confirm the pH PL exceedance.

Although an initial PL exceedance of the Appendix I D&O parameter barium at GWC-8 was reported in the September 2020 results, conducting the alternative statistical analyses using the interwell PL method did not confirm the barium exceedance. Consequently, no verified SSI was observed for Appendix I D&O parameters during the second semiannual sampling event. The results of the statistical analyses for 2020 are summarized in the table below:

<b>Currently Reported SSIs</b>				
<b>Location</b>	<b>Constituent</b>	<b>SSI Verification Status</b>	<b>ASD Status</b>	<b>Date of ASD</b>
<i>First 2020 Semiannual Event</i>				
GWC-6	Boron	Not verified	--	--
GWC-7	Chloride	Not verified	--	--
GWC-8	Barium	Verified	Completed	11/27/2019
GWC-8	Boron	Verified	Completed	11/5/2020
GWC-10	pH	Not verified	--	--
GWC-19	Calcium	Not verified	--	--
GWC-20	Calcium	Not verified	--	--
GWC-20	Barium	Not verified	--	--
<i>Second 2020 Semiannual Event</i>				
GWC-6	Boron	Not verified	--	--
GWC-19	pH	Not verified	--	--
GWC-20	Sulfate	Not verified	Completed	11/27/2019
GWC-8	Barium	Not verified	Completed	11/27/2019

## **5.0 MONITORING PROGRAM STATUS**

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

## 6.0 CONCLUSIONS AND FUTURE ACTIONS

This *2020 Annual Groundwater Monitoring and Corrective Action Report* for Georgia Power's Plant Hammond Huffaker Road Landfill was prepared to fulfill the requirements of both applicable federal and state CCR Rules and GA EPD Solid Waste Management Rules (§ 257.90(e), 391-3-4-.10, and 391-3-4-.14). Statistical evaluations of the 2020 groundwater monitoring data identified an SSI of boron in well GWC-8 during the first semiannual monitoring period, which was subsequently addressed with an ASD. The ASD presented multiple lines of evidence that the SSI was not the result of a release from the CCR unit but instead due to natural variation in groundwater quality (Geosyntec, 2020e). No SSIs were verified during the second semiannual groundwater monitoring event. Groundwater monitoring at the landfill will continue under a detection monitoring program pursuant to both the Georgia Rule 391-3-4.14(23) and the federal CCR Rule § 257.94(e).



## 7.0 REFERENCES

- Cressler, C.W., 1970. *Geology and Ground-water Resources of Floyd and Polk Counties, Georgia*. Atlanta: Geological Survey of Georgia. 1970.
- ERM, 2018. *2017 Annual Groundwater Monitoring and Corrective Action Report, Plant Hammond Huffaker Road Landfill, Permit No. 057-022D (LI)*. January, 2018.
- Freeze, R. Allan & Cherry, John A. (1979). *Groundwater*. Englewood Cliffs, Prentice-Hall, Inc. Print.
- Georgia Environmental Protection Division (GA EPD), 2017. *CCR Rule Compliance: Minor Modification Request to Add Appendix III & IV Sample Parameters To The Groundwater Monitoring Plan (GWMP), Floyd County - Georgia Power, Huffaker Road, Permit No. 057-022D(LI)*. Issued 9 August 2017 to Timothy Earl, Georgia Power Company.
- GA EPD, 2019. *Minor Modification - Groundwater Monitoring Plan Update - Approval, Georgia Power Company - Multiple Private Industry Soil Waste Disposal Facilities*. Issued 20 August 2019 to Jalpa Patel, Georgia Power Company
- Georgia Power Company, 2016. *Plant Hammond - Huffaker Road Coal Combustion By-Products Disposal Facility, Design and Operations Plan Minor Modification - 9/16/2016, Georgia Power Company*. September 2016.
- Geosyntec Consultants, 2018a. *Alternate Source Demonstration, Plant Hammond Huffaker Road Landfill*. March 2018.
- Geosyntec Consultants, 2018b. *Groundwater Monitoring Plan, Plant Hammond - Huffaker Road Landfill*. November 2018.
- Geosyntec Consultants, 2019a. *2018 Annual Groundwater Monitoring and Corrective Action Report*. January 2019.
- Geosyntec Consultants, 2019b. *2019 First Semiannual Groundwater Monitoring and Corrective Action Report, Plant Hammond Huffaker Road Landfill*. August 2019.
- Geosyntec Consultants, 2019c. *Alternate Source Demonstration - Sulfate, Plant Hammond Huffaker Road Landfill*. November 2019.

- Geosyntec Consultants, 2019d. *Alternate Source Demonstration - Barium and pH, Plant Hammond Huffaker Road Landfill*. November 2019
- Geosyntec Consultants, 2020a. *2019 Annual Groundwater Monitoring and Corrective Action Report, Plant Hammond Huffaker Road Landfill*. January 2020.
- Geosyntec Consultants, 2020b. *Alternate Source Demonstration - Arsenic, Plant Hammond Huffaker Road Landfill*. April 2020.
- Geosyntec Consultants, 2020c. *First 2020 Semiannual Groundwater Monitoring Report*. March 2020.
- Geosyntec Consultants, 2020d. *September 2020 Well Installation Addendum, Plant Hammond Huffaker Road Landfill, Georgia Power Company*. September 2020.
- Geosyntec Consultants, 2020e. *Alternate Source Demonstration - Boron, Plant Hammond Huffaker Road Landfill*. November 2020.
- Groundwater Stats Consulting, 2019. *Plant Hammond Huffaker Road Landfill Background Data Screening & Recommended Statistical Methods*. August 2019.
- Groundwater Stats Consulting, 2020. *Plant Hammond's Huffaker Road Landfill March 2020 Event - Statistical Analysis*. August 2020.
- Groundwater Stats Consulting, 2021. *Plant Hammond's Huffaker Road Landfill Statistical Analysis - September 2020*. January 2021.
- Sanitas: Groundwater Statistical Software, v. 9.6.26 (2020). Sanitas Technologies<sup>®</sup>, Boulder, CO.
- Southern Company Services, Inc. (SCS), 2002. *Plant Hammond Proposed Huffaker Road Coal Combustion By-Products Storage Facility Site Acceptability Report*. Birmingham, Alabama: Earth Science and Environmental Engineering. December 2002.
- United States Environmental Protection Agency (USEPA), 2009. *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance*. Office of Solid Waste Management Division, EPA. Washington, D.C. March 2009.

USEPA, 2011. *Region IV Data Validation Standard Operating Procedures*. Science and Ecosystem Support Division. Region IV. Athens, GA. September 2011.

USEPA, 2015. Hazardous and Solid Waste Management Systems; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule, 40 CFR Parts 257 and 261, Federal Register, Vol. 80, No. 74, April 17, 2015, pp.21302-21501

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

# 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**

Well ID	Hydraulic Location	Mar 25-31, 2020	Jun 18-19, 2020	Sep 22-28, 2020	Nov 10, 2020	Status of Monitoring Well
Purpose of Sampling Event:		Detection	Verification	Detection	Verification	
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	X	--	Detection
GWC-7	Downgradient	X	X	X	--	Detection
GWC-8	Downgradient	X	X	X	--	Detection
GWC-9	Downgradient	X	--	X	--	Detection
GWC-10	Downgradient	X	X	X	--	Detection
GWC-18	Downgradient	X	--	X	--	Detection
GWC-19	Downgradient	X	X	X	X	Detection
GWC-20	Downgradient	X	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, 2)</sup> (ft)	March 25, 2020		September 22, 2020	
		Depth to Water (ft BTOC)	Groundwater Elevations <sup>(1)</sup> (ft)	Depth to Water (ft BTOC)	Groundwater Elevations <sup>(1)</sup> (ft)
GWA-1	701.96	9.96	692.00	17.69	684.27
GWA-2	681.59	4.62	676.97	8.68	672.91
GWA-3	659.24	3.92	655.32	6.71	652.53
GWA-4	656.93	7.95	648.98	12.46	644.47
GWA-11	682.36	15.26	667.10	19.75	662.61
GWC-5	649.42	4.36	645.06	5.63	643.79
GWC-6	656.35	14.31	642.04	17.99	638.36
GWC-7	657.20	12.42	644.78	17.94	639.26
GWC-8	656.64	8.67	647.97	14.40	642.24
GWC-9	659.46	11.56	647.90	17.75	641.71
GWC-10	667.58	11.22	656.36	18.87	648.71
GWC-18	641.31	12.14	629.17	15.17	626.14
GWC-19	642.89	16.85	626.04	21.85	621.04
GWC-20	625.76	2.38	623.38	6.85	618.91
GWC-21	618.33	3.76	614.57	10.08	608.25
GWC-22	625.00	0.30	624.70	5.82	619.18
GWC-23	654.84	6.27	648.57	17.80	637.04

Notes:

ft BTOC = feet below top of casing

(1) Elevations referenced to the North American Vertical Datum of 1988 (NAVD88).

(2) Survey data obtained June 26, 2020.

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

Landfill Parcels	Hydraulic Gradient - March 25, 2020 Data				Hydraulic Gradient - September 22, 2020 Data				Average $\Delta h/\Delta l$ (ft/ft)
	$h_1$ (ft)	$h_2$ (ft)	$\Delta l$ (ft)	$\Delta h/\Delta l$ (ft/ft)	$h_1$ (ft)	$h_2$ (ft)	$\Delta l$ (ft)	$\Delta h/\Delta l$ (ft/ft)	
A & B (GWA-1 to GWC-7)	692.00	644.78	2,220	0.021	684.27	639.26	2,260	0.020	0.021
E (GWC-9 to GWC-20)	647.90	623.38	1,460	0.017	641.71	618.91	1,450	0.016	0.017

Landfill Parcels	$K_h$ (ft/d)	n	Averaged for 2020	
			$\Delta h/\Delta l$ (ft/ft)	V (ft/d) <sup>(1)</sup>
A & B	0.248	0.20	0.021	0.026
E			0.017	0.021

Notes:

ft = feet

ft/d = feet per day

ft/ft = feet per foot

$h_1$  and  $h_2$  = groundwater elevation at designated measuring points

$\Delta h/\Delta l$  = hydraulic gradient

$K_h$  = horizontal hydraulic conductivity

$\Delta l$  = distance between measuring points 1 and 2

n = effective porosity

V = groundwater flow velocity

(1) Groundwater flow velocity equation:  $V = [K_h * (\Delta h/\Delta l)] / n$



**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	GWC-6	GWC-6	GWC-6	
Sample Date:	3/26/2020	9/23/2020	3/26/2020	9/21/2020	3/26/2020	9/23/2020	3/26/2020	9/23/2020	3/26/2020	9/22/2020	3/31/2020	9/25/2020	3/31/2020	6/18/2020	9/25/2020	
Parameter <sup>(1,2)</sup>																
<b>D&amp;O Plan</b>	<b>Antimony</b>	0.00028 J	<0.00028	0.00049 J	<0.00028	<0.00027	<0.00028	<0.00027	<0.00028	<0.00027	<0.00028	<0.00027	0.00052 J	<0.00027	--	<0.00028
	<b>Arsenic</b>	<0.00035	<0.00078	<0.00035	<0.00078	0.00048 J	<0.00078	0.00044 J	<0.00078	<0.00035	<0.00078	<0.00035	<0.00078	<0.00035	--	<0.00078
	<b>Barium</b>	0.032	0.041	0.16	0.18	0.14	0.14	0.049	0.043	0.031	0.031	0.064	0.074	0.18	--	0.16
	<b>Beryllium</b>	<0.000074	<0.000046	<0.000074	<0.000046	<0.000074	<0.000046	<0.000074	<0.000046	<0.000074	<0.000046	<0.000074	<0.000046	<0.000074	--	<0.000046
	<b>Cadmium</b>	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	--	<0.00012
	<b>Chromium</b>	<0.00039	<0.00055	0.00043 J	<0.00055	0.00062 J	<0.00055	0.0013 J	<0.00055	<0.00039	<0.00055	<0.00039	<0.00055	0.00085 J	--	<0.00055
	<b>Cobalt</b>	0.00049 J	0.00051 J	<0.00030	<0.00038	<0.00030	<0.00038	0.00082 J	<0.00038	0.00063 J	0.00049 J	<0.00030	0.00057 J	<0.00030	--	<0.00038
	<b>Copper</b>	<0.00019	<0.0017	<0.00019	<0.0017	0.00022 J	<0.0017	<0.00019	<0.0017	<0.00019	<0.0017	0.00019 J	<0.0017	<0.00019	--	<0.0017
	<b>Lead</b>	<0.000046	<0.000036	<0.000046	<0.000036	0.000047 J	<0.000036	<0.000046	<0.000036	<0.000046	<0.000036	<0.000046	<0.000036	<0.000046	--	<0.000036
	<b>Nickel</b>	0.00065 J	<0.00069	<0.00031	<0.00069	0.0011 J	<0.00069	0.00096 J	0.00091 J	0.0020 J	0.0014 J	0.0013 J	0.00078 J	<0.00031	--	<0.00069
	<b>Selenium</b>	<0.0013	<0.0016	<0.0013	<0.0016	<0.0013	<0.0016	<0.0013	<0.0016	<0.0013	<0.0016	<0.0013	<0.0016	<0.0013	--	<0.0016
	<b>Silver</b>	<0.00028	<0.00036	<0.00028	<0.00036	<0.00028	<0.00036	<0.00028	<0.00036	<0.00028	<0.00036	<0.00028	<0.00036	<0.00028	--	<0.00036
	<b>Thallium</b>	<0.000052	<0.00014	<0.000052	<0.00014	<0.000052	<0.00014	<0.000052	<0.00014	<0.000052	<0.00014	<0.000052	<0.00014	<0.000052	--	<0.00014
	<b>Vanadium</b>	<0.00071	<0.0022	<0.00071	<0.0022	<0.00071	<0.0022	<0.00071	<0.0022	<0.00071	<0.0022	<0.00071	<0.0022	<0.00071	--	<0.0022
<b>Zinc</b>	<0.018	0.0025 J	<0.018	<0.0022	<0.018	<0.0022	<0.018	0.0025 J	<0.018	<0.0022	<0.018	<0.0022	<0.018	--	<0.0022	
<b>APPENDIX III</b>	<b>Boron</b>	0.022 J	0.047 J	0.092 J	0.086 J	0.14	0.15	0.086 J	0.087 J	0.041 J	0.038 J	0.057 J	0.080 J	0.091 J	0.045 J	0.047 J
	<b>Calcium</b>	14.0	17.6	43.2	45.8	78.7	76.2	87.4	74.9	22.4	19.5	84.2	77.1	70.6	--	71.3
	<b>Chloride</b>	1.1	1.6	2.0	2.1	2.6	2.8	5.4	4.2	1.4	1.0	2.0	2.3	1.5	--	1.6
	<b>Fluoride</b>	0.082 J	0.089 J	0.12 J	0.12	0.090 J	0.11	0.089 J	0.13	0.057 J	0.061 J	<0.050	0.058 J	0.053 J	--	0.063 J
	<b>pH <sup>(3)</sup></b>	7.02	6.98	7.07	6.90	6.87	6.87	6.74	6.81	6.83	6.80	6.82	6.82	7.17	6.96	6.96
	<b>Sulfate</b>	5.0	6.6	15.6	18.2	95.8	95.6	128	123	10.8	9.8	92.6	80.7	106	--	110
	<b>TDS</b>	73.0	117	222	204	450	473	466	421	76.0	107	408	367	349	--	345

Notes:

-- = Parameter was not analyzed

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) Analytical methods used for groundwater sample analysis are listed in the analytical laboratory reports included in Appendix D.

(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

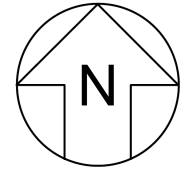
Well ID:	GWC-7	GWC-7	GWC-7	GWC-8	GWC-8	GWC-8	GWC-9	GWC-9	GWC-10	GWC-10	GWC-10	GWC-18	GWC-18	
Sample Date:	3/30/2020	6/19/2020	9/24/2020	3/27/2020	6/19/2020	9/24/2020	3/27/2020	9/24/2020	3/27/2020	6/19/2020	9/25/2020	3/30/2020	9/24/2020	
Parameter <sup>(1,2)</sup>														
<b>D&amp;O Plan</b>	<b>Antimony</b>	<0.00027	--	0.00080 J	<0.00027	--	0.0019 J	<0.00027	0.00056 J	<0.00027	--	<0.00028	<0.00027	0.00033 J
	<b>Arsenic</b>	0.0052	--	0.0064	0.0020 J	--	0.0043 J	<0.00035	<0.00078	<0.00035	--	<0.00078	0.00073 J	<0.00078
	<b>Barium</b>	0.21	--	0.11	0.14	--	0.14	0.060	0.060	0.037	--	0.11	0.077	0.079
	<b>Beryllium</b>	<0.000074	--	0.000050 J	<0.000074	--	<0.000046	<0.000074	<0.000046	<0.000074	--	<0.000046	<0.000074	<0.000046
	<b>Cadmium</b>	<0.00011	--	<0.00012	<0.00011	--	<0.00012	<0.00011	<0.00012	<0.00011	--	<0.00012	<0.00011	<0.00012
	<b>Chromium</b>	0.00041 J	--	<0.00055	<0.00039	--	<0.00055	<0.00039	<0.00055	<0.00039	--	<0.00055	0.00071 J	<0.00055
	<b>Cobalt</b>	0.012	--	0.010	0.0016 J	--	0.0011 J	0.00063 J	<0.00038	0.00082 J	--	<0.00038	<0.00030	<0.00038
	<b>Copper</b>	<0.00019	--	<0.0017	<0.00019	--	<0.0017	<0.00019	<0.0017	0.00022 J	--	<0.0017	<0.00019	<0.0017
	<b>Lead</b>	0.000048 J	--	0.000060 J	<0.000046	--	0.000049 J	<0.000046	<0.000036	0.000054 J	--	<0.000036	<0.000046	0.000040 J
	<b>Nickel</b>	0.037	--	0.042	0.00053 J	--	0.0010 J	0.0022 J	0.0024 J	0.0023 J	--	<0.00069	0.00048 J	0.0011 J
	<b>Selenium</b>	<0.0013	--	<0.0016	<0.0013	--	<0.0016	<0.0013	<0.0016	<0.0013	--	<0.0016	<0.0013	<0.0016
	<b>Silver</b>	<0.00028	--	<0.00036	<0.00028	--	<0.00036	<0.00028	<0.00036	<0.00028	--	<0.00036	<0.00028	<0.00036
	<b>Thallium</b>	<0.000052	--	<0.00014	<0.000052	--	<0.00014	<0.000052	<0.00014	<0.000052	--	<0.00014	<0.000052	<0.00014
	<b>Vanadium</b>	<0.00071	--	<0.0022	<0.00071	--	<0.0022	<0.00071	<0.0022	<0.00071	--	<0.0022	<0.00071	<0.0022
<b>Zinc</b>	0.051	--	0.070	<0.018	--	<0.0022	<0.018	<0.0022	<0.018	--	<0.0022	<0.018	<0.0022	
<b>APPENDIX III</b>	<b>Boron</b>	0.049 J	--	0.045 J	0.056 J	0.086 J	0.055 J	0.018 J	0.016 J	0.040 J	--	0.036 J	0.13	0.13
	<b>Calcium</b>	47.8	--	39.5	87.3	--	81.4	34.3	35.9	22.9	--	39.4	45.7	36.9
	<b>Chloride</b>	9.2	1.4	1.4	2.5	--	2.2	0.74 J	0.82 J	1.2	--	1.1	1.0	0.94 J
	<b>Fluoride</b>	0.16 J	--	0.14	0.12 J	--	0.15	0.078 J	0.076 J	<0.050	--	0.085 J	0.10 J	0.11
	<b>pH <sup>(3)</sup></b>	6.48	6.45	6.32	7.01	6.81	6.96	7.11	6.75	6.82	7.40	7.28	7.65	7.62
	<b>Sulfate</b>	64.6	--	120	31.5	--	48.3	54.0	69.9	10.8	--	11.6	9.7	8.5
	<b>TDS</b>	216	--	254	329	--	307	192	179	118	--	153	217	181

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

Well ID:	GWC-19	GWC-19	GWC-19	GWC-19	GWC-20	GWC-20	GWC-20	GWC-21	GWC-21	GWC-22	GWC-22	GWC-23	GWC-23	
Sample Date:	3/31/2020	6/19/2020	9/28/2020	11/10/2020	3/31/2020	6/19/2020	9/23/2020	3/31/2020	9/24/2020	3/31/2020	9/23/2020	3/26/2020	9/23/2020	
Parameter <sup>(1,2)</sup>														
<b>D&amp;O Plan</b>	<b>Antimony</b>	<0.00027	--	<0.00028	--	<0.00027	--	<0.00028	<0.00027	<0.00028	<0.00027	<0.00028	<0.00027	<0.00028
	<b>Arsenic</b>	<0.00035	--	<0.00078	--	<0.00035	--	<0.00078	0.00035 J	0.0011 J	<0.00035	<0.00078	<0.00035	<0.00078
	<b>Barium</b>	0.17	--	0.15	--	0.15	0.14	0.13	0.044	0.19	0.10	0.10	0.071	0.079
	<b>Beryllium</b>	<0.000074	--	0.00010 J	--	<0.000074	--	<0.000046	<0.000074	<0.000046	<0.000074	<0.000046	<0.000074	<0.000046
	<b>Cadmium</b>	<0.00011	--	<0.00012	--	<0.00011	--	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012	<0.00011	<0.00012
	<b>Chromium</b>	0.00042 J	--	0.00063 J	--	<0.00039	--	<0.00055	0.00093 J	<0.00055	0.0015 J	<0.00055	<0.00039	<0.00055
	<b>Cobalt</b>	<0.00030	--	<0.00038	--	<0.00030	--	<0.00038	0.0019 J	0.00068 J	<0.00030	<0.00038	0.00035 J	<0.00038
	<b>Copper</b>	<0.00019	--	<0.0017	--	<0.00019	--	<0.0017	0.00082 J	<0.0017	0.00020 J	<0.0017	0.00067 J	<0.0017
	<b>Lead</b>	0.000061 J	--	0.00014 J	--	<0.000046	--	<0.000036	<0.000046	0.00012 J	0.00013 J	0.000066 J	0.00016 J	0.00036 J
	<b>Nickel</b>	<0.00031	--	<0.00069	--	<0.00031	--	<0.00069	0.0039 J	0.0068	<0.00031	<0.00069	0.0010 J	0.00079 J
	<b>Selenium</b>	<0.0013	--	<0.0016	--	<0.0013	--	<0.0016	<0.0013	<0.0016	<0.0013	<0.0016	<0.0013	<0.0016
	<b>Silver</b>	<0.00028	--	<0.00036	--	<0.00028	--	<0.00036	<0.00028	<0.00036	<0.00028	<0.00036	<0.00028	<0.00036
	<b>Thallium</b>	<0.000052	--	<0.00014	--	<0.000052	--	<0.00014	<0.000052	<0.00014	<0.000052	<0.00014	<0.000052	<0.00014
	<b>Vanadium</b>	<0.00071	--	<0.0022	--	<0.00071	--	<0.0022	<0.00071	<0.0022	<0.00071	<0.0022	<0.00071	<0.0022
<b>Zinc</b>	<0.018	--	0.0033 J	--	<0.018	--	<0.0022	<0.018	0.0046 J	<0.018	<0.0022	<0.018	0.0022 J	
<b>APPENDIX III</b>	<b>Boron</b>	0.18	--	0.17	--	0.024 J	--	0.018 J	0.022 J	0.061 J	0.067 J	0.061 J	0.042 J	0.024 J
	<b>Calcium</b>	52.3	41.3	44.7	--	63.6	61.4	55.8	25.6	73.4	51.5	45.9	44.7	39.2
	<b>Chloride</b>	1.3	--	1.3	--	1.1	--	1.1	1.5	1.8	1.0	1.1	0.63 J	1.1
	<b>Fluoride</b>	0.099 J	--	0.11	--	0.054 J	--	0.065 J	<0.050	0.10	0.055 J	0.073 J	0.064 J	0.088 J
	<b>pH <sup>(3)</sup></b>	7.62	7.61	7.78	7.37	7.57	7.31	7.11	6.33	7.12	7.80	7.42	6.88	6.96
	<b>Sulfate</b>	17.8	--	15.8	--	53.6	--	58.9	29.9	37.6	10.9	5.0	14.5	5.3
	<b>TDS</b>	233	--	214	--	267	--	277	111	286	195	231	193	186

# FIGURES

N:\GA Power\Plant\_Hammond GW Services\GIS\mxd\Huffaker\2020\CCR Report\01\_Semiannual\Figure 1\_SiteMap.mxd 8/11/2020 8:20:42 PM



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



SCALE IN FEET

**SITE LOCATION MAP**

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

Prepared For:  Georgia Power

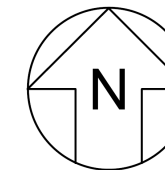
Prepared By:  Geosyntec  
consultants

KENNESAW, GA

JANUARY 2021

**FIGURE  
1**

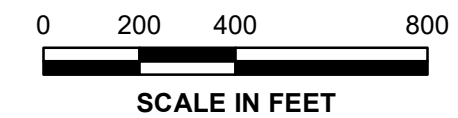
N:\GA Power\Plant\_Hammond\_GW\_Services\GIS\mxd\Huffaker\2020\CCR Report\01\_Semiannual\Figure 2\_WellMap.mxd 8/11/2020 8:26:02 PM



- LEGEND**
- Compliance Monitoring Well
  - Landfill Underdrain Sample Point



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

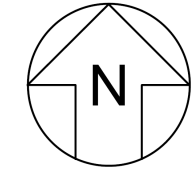
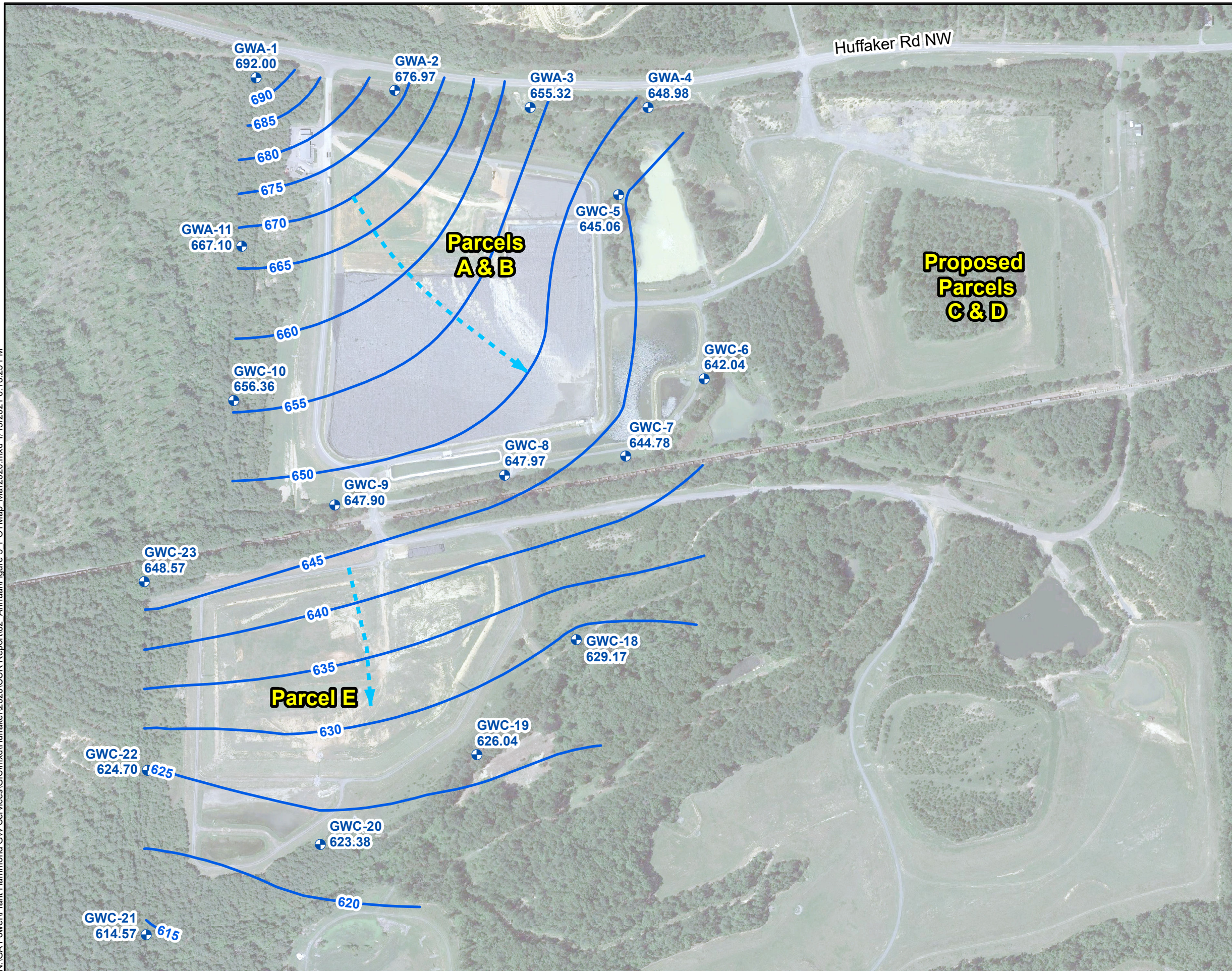
Prepared For: Georgia Power

Prepared By: Geosyntec  
consultants

**FIGURE**  
**2**

KENNESAW, GA      JANUARY 2021

N:\GA Power\Plant Hammond GW Services\GIS\mxd\Huffaker\2020\CCR Report\02\_Annual\Figure 3\_POTMap\_Mar2020.mxd 1/13/2021 6:18:23 PM



**LEGEND**

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



- Notes:
1. Water level elevation recorded on March 25, 2020. 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 2020**

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

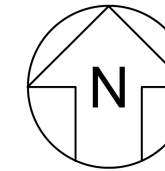
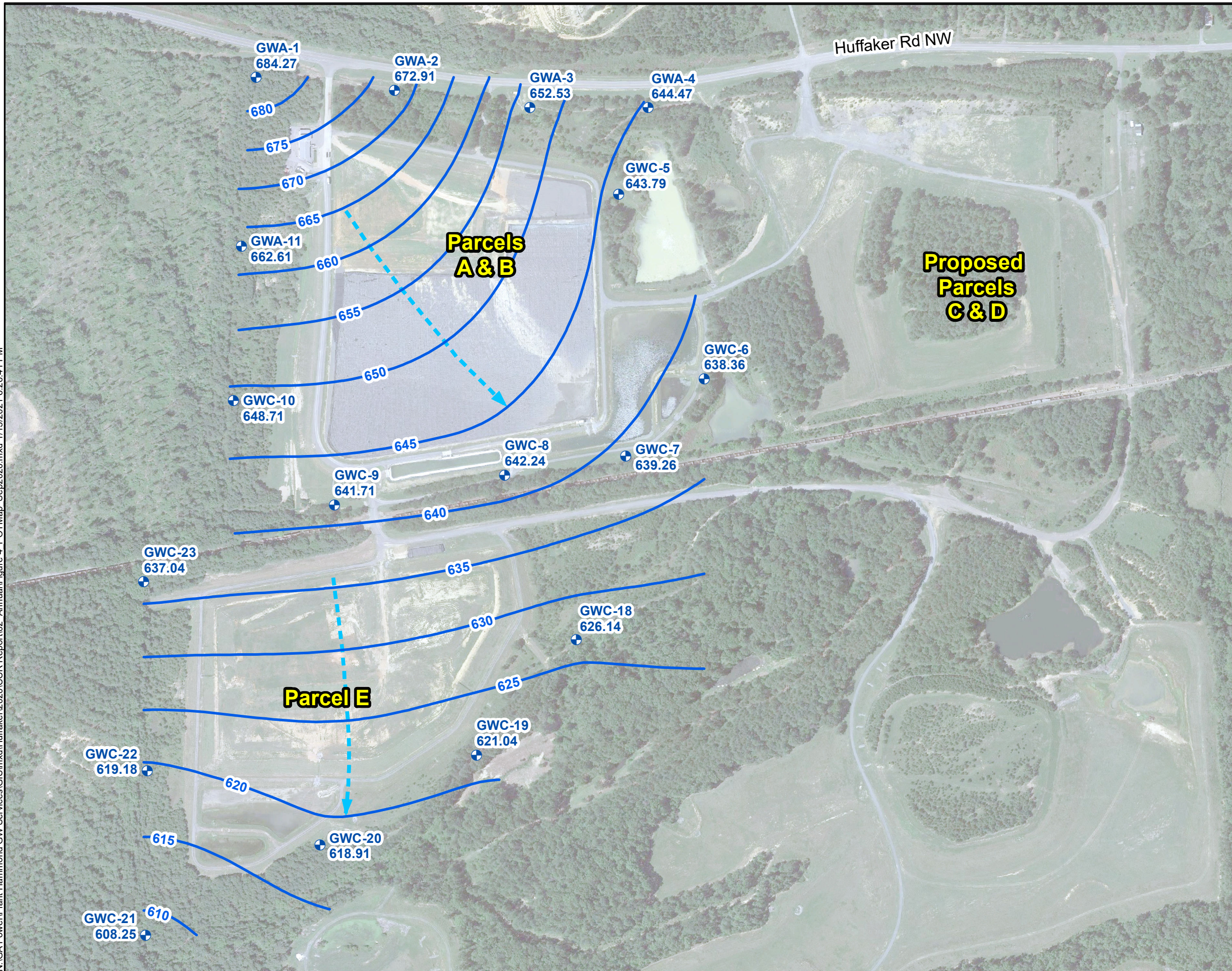
Prepared For: Georgia Power

Prepared By: Geosyntec  
consultants

**FIGURE**  
**3**

KENNESAW, GA      JANUARY 2021

N:\GA Power\Plant Hammond GW Services\GIS\mxd\Huffaker\2020\CCR Report\02\_Annual\Figure 4\_POTMap\_Sep2020.mxd 1/13/2021 6:26:41 PM



**LEGEND**

- Compliance Monitoring Well
- Groundwater Elevation
- Approximate Groundwater Flow Direction



- Notes:
1. Water level elevation recorded on September 22, 2020. 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 - SEPTEMBER 2020**

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

Prepared For: Georgia Power

Prepared By: Geosyntec  
 consultants

KENNESAW, GA    JANUARY 2021

**FIGURE**  
**4**



# APPENDIX A

## Certified Survey Data

Well ID	Casing Northing	Casing Easting	Top of Casing Elevation	Pad Northing	Pad Easting	Pad Elevation
GWA-1	1565643.8090	1952067.9350	701.96	1565643.7700	1952068.7470	698.65
GWA-2	1565590.0580	1952640.8860	681.59	1565590.9150	1952641.0270	679.04
GWA-3	1565520.2380	1953199.9260	659.24	1565519.5200	1953199.9110	656.35
GWA-4	1565519.8700	1953687.1040	656.93	1565518.9690	1953687.3230	653.98
GWC-5	1565159.1510	1953566.6650	649.42	1565159.0560	1953565.8480	646.44
GWC-6	1564397.5570	1953919.8550	656.35	1564397.6960	1953919.3420	653.86
GWC-7	1564079.1400	1953595.8490	657.20	1564079.8040	1953595.4950	654.28
GWC-8	1564000.6230	1953095.7210	656.64	1564001.2720	1953095.4650	653.96
GWC-9	1563876.8140	1952392.9690	659.46	1563876.8680	1952393.6820	657.15
GWC-10	1564308.3930	1951975.6590	667.58	1564308.3780	1951976.2070	664.08
GWA-11	1564946.5540	1952008.0290	682.36	1564946.6470	1952008.7080	679.57
GWC-18	1563320.4410	1953391.4910	641.31	1563320.0740	1953390.9190	638.45
GWC-19	1562843.1190	1952979.7200	642.89	1562843.4950	1952979.3960	640.37
GWC-20	1562472.7750	1952332.3050	625.76	1562472.9190	1952332.7680	623.09
GWC-21	1562099.5550	1951612.9270	618.33	1562099.6950	1951613.6880	614.26
GWC-22	1562778.8880	1951618.6740	625.00	1562778.9400	1951619.3210	621.82
GWC-23	1563558.6580	1951604.9730	654.84	1563558.7020	1951605.5870	652.12

Landfill Underdrain Discharge Pipe	Pipe Northing	Pipe Easting	Pipe Invert Elevation	Description
SWC-1	1564710.4550	1952300.5030	655.46	6" Plastic Pipe

Benchmark	Northing	Easting	Elevation
BM H-5	1563937.4180	1952560.0250	657.52

SURVEY DATA CERTIFICATION FOR SOUTHERN COMPANY TO DETERMINE NORTHING, EASTING, AND VERTICAL ELEVATION OF THE NAIL IN THE CONCRETE PAD & THE PVC WELL CASING.  
DATE OF FIELD SURVEY & INSPECTION: 06/15/2020-06/17/2020  
FIELD SURVEY POSITIONAL TOLERANCE=0.5 FEET HORIZONTAL-NA'D'83, 0.01 VERTICAL-NAVD'88  
EQUIPMENT USED FOR HORIZONTAL LOCATION: TRIMBLE R10 RTK GPS & TRIMBLE S5 ROBOTIC TOTAL STATION.  
THE VERTICAL LOCATION OF EACH SURVEYED POINT WAS ESTABLISHED BASED UPON LEVEL RUNS WITH A DIGITAL LEVEL LOOP FROM VERTICAL CONTROL ESTABLISHED BY ON-SITE BENCHMARK BM H-4 SET BY GEL SOLUTIONS USING A TRIMBLE DINI LEVEL



*Jimmy R. Toole*

6/26/2020

# APPENDIX B

## Well Inspection Forms

## Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWA-1  
 Date, field conditions 3/26/2020 73°F 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 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> WL only
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 Plant Hammond Nuffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWA-2  
 Date, field conditions 3/20/2020 60°F, 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 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 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 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"/>

wl only

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 Haffaker  
 Permit Number \_\_\_\_\_  
 Well ID GVA-4  
 Date, field conditions 3-26-2020 wet

	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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <i>WL only</i>
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 Hufferaker  
 Permit Number \_\_\_\_\_  
 Well ID GWA-11  
 Date, field conditions 3-26-2020 Wet

	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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <i>wl only</i>
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 needed.

Signature and Seal of PE/PG responsible for inspection

---



## Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-5  
 Date, field conditions 3/31/2020 60°F cloudy

		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 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 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:			

*Wt only*

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

\_\_\_\_\_

## Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond Huffaker  
 Permit Number                       
 Well ID GWC-6  
 Date, field conditions 3/31/2020 60°F cloudy

	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 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 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:			

WL only

Signature and Seal of PE/PG responsible for inspection

## Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond Huleaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-7  
 Date, field conditions 3/31/2020 ~~dry~~ 60°F cloudy

		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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> WL only
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 Plant Hammond Hufferaker  
 Permit Number                       
 Well ID GWC-8  
 Date, field conditions 3/27/2020 70°F 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:			

✓, Wl only

Signature and Seal of PE/PG responsible for inspection

## Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond Huberaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-9  
 Date, field conditions 3/27/2020 60°F 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 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 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 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"/>

*WL only*

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  
 Permit Number \_\_\_\_\_  
 Well ID FWC-10  
 Date, field conditions 3-27-2020 wet conditions

		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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> WL only
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 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 as of now.

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

## Groundwater Monitoring Well Integrity Form

Site Name  
Permit Number  
Well ID  
Date, field conditions

Plant Hammond / Huffaker  
~~FCV-18 (en)~~ GWC-18  
3-30-2020 Damp

		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 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 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"/>

*Wt only*

7 Corrective actions as needed, by date:

Need weeds cut around well pad.

Signature and Seal of PE/PG responsible for inspection

## Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond / Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GEV-1900 GWC-19  
 Date, field conditions 3-31-2020 Rain / Wet

	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 checked="" type="checkbox"/> WL only
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:			
<u>None as of now.</u>			

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_



## Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond / Haffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWL-20 (B) GWL-20  
 Date, field conditions 3-31-2020 Rain / Vzt

	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 type="checkbox"/>	<input checked="" 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 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 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"/>

wl only

7 Corrective actions as needed, by date:  
Well is in flood area. Well is not usually flooded. High rainfall during sampling event caused flooding of area. No actions needed (RM)

Signature and Seal of PE/PG responsible for inspection

---

## Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond / Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GW GVC-21  
 Date, field conditions 3-31-2020 Rain/Wet

	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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <i>well only</i>
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 as of now

Signature and Seal of PE/PG responsible for inspection

### Groundwater Monitoring Well Integrity Form

Site Name Plant Hammond / Haffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-22 (R) GWC-22  
 Date, field conditions 3-31-2020 Rain / wet

		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)?		✓	✓
<i>vegetation and mud.</i>				
<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)	✓		
<i>WL only</i>				
<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:

WL1 Pad is covered in mud from flood.

Signature and Seal of PE/PG responsible for inspection

**Groundwater Monitoring Well Integrity Form**

Site Name Plant Hammond Huffaker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-23  
 Date, field conditions 3/26/2020 76°F 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 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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> w/ only
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"/>
<b>7 Corrective actions as needed, by date:</b>				
_____				
_____				

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

### Groundwater Monitoring Well Integrity Form

Site Name Hammond / Hultsch  
 Permit Number \_\_\_\_\_  
 Well ID GWA-21  
 Date, field conditions 9/23 Sunny warm

		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"/>
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: n/a

---



---

Signature and Seal of PE/PG responsible for inspection

---



### Groundwater Monitoring Well Integrity Form

Site Name Holdaker  
 Permit Number \_\_\_\_\_  
 Well ID GWA-3  
 Date, field conditions 9/23/2020 75°F 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?	✓	<del>✓</del>	
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 St. Ann. HURKAY  
 Permit Number \_\_\_\_\_  
 Well ID GWA-4  
 Date, field conditions 9/23/20 65°F 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 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 Hammond ART H&K/Be r  
 Permit Number \_\_\_\_\_  
 Well ID GWA-11  
 Date, field conditions 1/22/2020

		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 Hammond Hubbell  
 Permit Number \_\_\_\_\_  
 Well ID GLWC-5  
 Date, field conditions 9/25 overcast

	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 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: n/a

---



---

Signature and Seal of PE/PG responsible for inspection

---

**Groundwater Monitoring Well Integrity Form**

Site Name Hammond Mill  
 Permit Number \_\_\_\_\_  
 Well ID GWC-6  
 Date, field conditions 9/25 overcast

		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</b>	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 Henry Hoffacker  
 Permit Number \_\_\_\_\_  
 Well ID GWC-7  
 Date, field conditions 8/24/2020 raining

		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 hammered / muffled  
 Permit Number \_\_\_\_\_  
 Well ID GW-8  
 Date, field conditions 9/21 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 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: n/a  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

**Groundwater Monitoring Well Integrity Form**

Site Name Hammond / Muffler  
 Permit Number \_\_\_\_\_  
 Well ID GW-9  
 Date, field conditions 9/24/20 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 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 Hullaber  
 Permit Number \_\_\_\_\_  
 Well ID GWC-10  
 Date, field conditions 9/25/2020 rainy

		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:

\_\_\_\_\_

\_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

### Groundwater Monitoring Well Integrity Form

Site Name Hammond / Middle River  
 Permit Number \_\_\_\_\_  
 Well ID LOWC-18  
 Date, field conditions SEP 9/23/20 warm, 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 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: n/a

---



---

Signature and Seal of PE/PG responsible for inspection

---



### Groundwater Monitoring Well Integrity Form

Site Name Hammond Huber  
 Permit Number \_\_\_\_\_  
 Well ID GW-19 GWC-19  
 Date, field conditions 9/28 cool, overcast

	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 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:

\_\_\_\_\_

\_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

### Groundwater Monitoring Well Integrity Form

Site Name Hammond / Miller  
 Permit Number \_\_\_\_\_  
 Well ID GWOC-20  
 Date, field conditions 9/23 Sunny, warm

		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:

n/a

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

**Groundwater Monitoring Well Integrity Form**

Site Name Hufferber  
 Permit Number \_\_\_\_\_  
 Well ID CWLC-21  
 Date, field conditions 9/24/2020 raining

		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 checked="" 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 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 HUPKER  
 Permit Number \_\_\_\_\_  
 Well ID GWC-22  
 Date, field conditions 9/2-3/2020 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:  
 \_\_\_\_\_  
 \_\_\_\_\_

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

### Groundwater Monitoring Well Integrity Form

Site Name Henning and Huffer  
Permit Number \_\_\_\_\_  
Well ID GWC-73  
Date, field conditions 9/23, Sunny, Warm

		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 checked="" 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 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:

well pad is unstable

Signature and Seal of PE/PG responsible for inspection

\_\_\_\_\_

### Groundwater Monitoring Well Integrity Form

Site Name Dkent Hammond ~~AP~~ Huffer  
 Permit Number \_\_\_\_\_  
 Well ID GWC-19  
 Date, field conditions 11/10, cloudy, 70

	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"/>
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 C

### Prepared Alternate Source Demonstrations



*Prepared for*

**Georgia Power Company**  
241 Ralph McGill Blvd NE  
Atlanta, Georgia 30308

**ALTERNATE SOURCE  
DEMONSTRATION – ARSENIC  
PLANT HAMMOND HUFFAKER ROAD LANDFILL**

*Prepared by*

**Geosyntec**   
consultants

**engineers | scientists | innovators**

1255 Roberts Boulevard, Suite 200  
Kennesaw, Georgia 30144

Project Number GW6581B

April 2020





## ALTERNATE SOURCE DEMONSTRATION – ARSENIC

Plant Hammond  
Huffaker Road Landfill  
Permit No. 057-022D (LI)

April 29, 2020

A handwritten signature in black ink, appearing to read "Herwig Goldmund".

---

Herwig Goldmund, Ph.D.  
*Senior Scientist*

A handwritten signature in black ink, appearing to read "Whitney B. Law".

---

Whitney Law, P.E.  
*Project Manager*

**Certification Statement**

**Alternate Source Demonstration – Arsenic  
Plant Hammond  
Huffaker Road Landfill  
Permit No. 057-022D (LI)  
April 29, 2020**

I certify that the above document, including interpretations and recommendations, were completed in accordance with the Georgia Environmental Protection Division’s Solid Waste Rules (Chapter 391-3-4.14) by or under the direct supervision of a Georgia-registered professional geologist or a Georgia-registered professional engineer who is a qualified groundwater scientist.

*Whitney B. Law*

Seal and Signature



4/29/2020

Date

## TABLE OF CONTENTS

1.	INTRODUCTION .....	1
1.1	Purpose .....	1
1.2	Summary of ASD .....	1
1.3	Site Setting and Operational History .....	2
1.4	Groundwater Monitoring .....	2
1.5	Basis of the Statistically Significant Increase .....	3
2.	ALTERNATE SOURCE DEMONSTRATION.....	4
2.1	Lack of Indicator Parameter SSIs .....	4
2.2	Landfill Liner System .....	4
2.3	Natural Variation of Groundwater Quality.....	5
3.	CONCLUSIONS .....	7
4.	REFERENCES .....	9

## LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Well Location Map
Figure 3	Time Series Chart – As, B, Cl, TDS in GWA-3, GWA-4, and GWC-7
Figure 4	Correlations Between Groundwater Elevations, ORP, and As at GWC-7

## LIST OF ACRONYMS

ASD	Alternate Source Demonstration
As	arsenic
ASTM	American Society for Testing and Materials
B	boron
CCR	Coal Combustion Residual
CFR	Code of Federal Regulations
Cl	chloride
cm/sec	centimeter per second
D&O	Design & Operation
ERM	Environmental Resources Management
GA EPD	Environmental Protection Division
GPC	Georgia Power Company
HDPE	high-density polyethylene
mg/L	milligrams per liter
ORP	oxidation reduction potential
PL	prediction limit
SSI	statistically significant increase
SCS	Southern Company Services, Inc.
TDS	total dissolved solids
USEPA	United States Environmental Protection Agency

## 1. INTRODUCTION

### 1.1 Purpose

This document presents an alternate source demonstration (ASD) for the statistically significant increase (SSI) of arsenic detected in compliance well GWC-7 located at Georgia Power Company's (GPC's) Plant Hammond Huffaker Road Landfill (the landfill). The arsenic SSI was identified based on statistical evaluation of the groundwater quality data set obtained from the September 2019 semiannual detection monitoring event. The SSI was subsequently confirmed with a verification sampling event conducted in November 2019.

The landfill is currently regulated by the Georgia Environmental Protection Division (GA EPD) 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 (CCR Rule) [40 Code of Federal Regulations (CFR) 257 Subpart D] and the GA EPD Rules for Solid Waste Management 391-3-4-.10. This ASD has been prepared pursuant to Rule 391-3-4-.14(23)(c) of the Georgia Administrative Code, which states that "the owner or operator may demonstrate that a source other than a [landfill] unit caused the contamination or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality." This language is consistent with the requirements of the Federal CCR Rule stipulated in 40 CFR 257.94(e)(2), which has been incorporated by reference into Rule 391-3-4-.10(6) of the Georgia Administrative Code.

### 1.2 Summary of ASD

Based on review of available site data, the arsenic SSI reported for well GWC-7 is not associated with a release from the landfill and is caused by natural variation in groundwater quality. This ASD discussed the following lines of evidence supporting this conclusion:

- There are no reported SSIs of the primary CCR indicator parameters (Appendix III) in well GWC-7. The absence of Appendix III SSIs indicates that a release from the landfill has not occurred. Groundwater samples collected from background monitoring wells GWA-3 and GWA-4, located upgradient of the lined landfill, exhibited higher concentrations of certain Appendix III parameters, including boron, chloride, and total dissolved solids (TDS) relative to compliance

well GWC-7 located downgradient of the landfill. If a release had occurred from a CCR unit, these parameters would exhibit increases in concentration resulting in SSIs. These indicator parameters do not show an increasing trend in groundwater samples collected from well GWC-7 and are not indicative of a release from the unit.

- Monitoring well GWC-7 is downgradient of lined landfill units. Parcels A and B are constructed with a composite liner system, including a 60-mil high-density polyethylene (HDPE) geomembrane and a leachate collection system; in addition, the CCR waste is landfilled in a dewatered state and there is no excess hydraulic head potentially driving CCR constituents into the subsurface; the lack of CCR-related impacts is supported by a lack of elevated concentrations of CCR indicator parameters in monitoring well GWC-7.
- Fluctuating water levels in well GWC-7 appear to have created slightly anaerobic conditions during the fall of 2019, which correlates with a concurrent increase in arsenic concentrations. Arsenic is generally more mobile under anaerobic conditions, and naturally-occurring arsenic has been mobilized into groundwater.

### **1.3 Site Setting and Operational History**

The landfill is located in Floyd County, near Rome, Georgia, approximately one mile west of the Rome city limit and approximately five miles northeast of Plant Hammond (**Figure 1**). The landfill is located within the Valley and Ridge Physiographic Province of Georgia, which is underlain by shales, dolomites, and limestones of Cambrian and Ordovician age, and the landfill itself is located in the Floyd Shale member of the Judy Mountain syncline (SCS, 2002).

Huffaker Road 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. Monitoring well GWC-7 is downgradient of Parcels A and B. Parcels A and B are constructed with a bottom liner system composed of a leachate collection system and a 60-mil HDPE geomembrane overlaying a minimum 24-inch compacted clay with a maximum hydraulic conductivity of  $1 \times 10^{-7}$  centimeters per second (cm/sec). Disposal operations commenced on May 5, 2008. Parcels A and B are currently active.

### **1.4 Groundwater Monitoring**

A groundwater monitoring plan was originally developed under the Georgia Solid Waste rules as part of the landfill's D&O Plan to comply with the requirements of Solid Waste

Permit No. 057-022D (LI). The groundwater monitoring system consists of 17 wells (five upgradient wells and 12 downgradient wells) installed between September 2001 and February 2007 (ERM, 2018). The site layout and the locations of each well are presented on **Figure 2**. Groundwater monitoring at the landfill began in 2007, prior to disposal activities, and continues to date. In addition to groundwater monitoring under the D&O Plan, groundwater monitoring is also conducted under the Federal and Georgia CCR Rules, and the CCR groundwater monitoring under these rules commenced in March 2016.

### **1.5 Basis of the Statistically Significantly Increase**

The following presents a summary of the statistical approach applied to assess the September 2019 groundwater data for potential SSIs of permit stipulated parameters reported in downgradient compliance wells relative to the available historical data set. 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 data sets are statistically evaluated per semiannual monitoring event. One data set contains Appendix III parameters, which is applicable to both of the aforementioned rules. The other data set contains the D&O-specified parameters, applicable to Rule 391-3-4.14. The statistical approach used to evaluate groundwater data for the landfill for Appendix III parameters under both the Federal and Georgia CCR rules is the intrawell prediction limit (PL) method combined with a 1-of-3 resample plan. The intrawell PL statistical approach was also used to evaluate groundwater data for the landfill for D&O parameters (including arsenic), but with a 1-of-2 resample plan instead. The statistical analyses and comparisons to PLs are discussed in further detail in the *2019 Annual Groundwater Monitoring and Corrective Action Report* (2019 Annual Report) (Geosyntec, 2020).

Statistical analysis of the September 2019 data identified an initial statistical exceedance of arsenic in samples from well GWC-7. The initial concentration of 0.010 mg/L was verified through a subsequent resampling and analysis conducted in November 2019 (0.011 mg/L) and the SSI verified. These concentrations exceeded the PL of 0.0088 mg/L for arsenic in GWC-7.

## 2. ALTERNATE SOURCE DEMONSTRATION

Based on review of site information, the SSI for As at monitoring well GWC-7 is not related to a release from lined Parcels A and B at the landfill but is instead caused by natural variation in the groundwater quality. The following sections presents information supporting this conclusion.

### 2.1 Lack of Indicator Parameter SSIs

Appendix III parameters were selected by the USEPA to serve as a broad-based indication of CCR impact to groundwater. Absent any Appendix III SSIs, it is reasonable to conclude that the arsenic SSI is not caused by a release from the CCR Landfill. A landfill impact to groundwater will result in numerous indicator SSIs and increasing concentrations in groundwater – that has not occurred.

Groundwater quality conditions within upgradient wells GWA-3 and GWA-4 are characterized by higher concentrations and greater variability among Appendix III parameters relative to downgradient compliance well GWC-7. The degree of spatial and temporal variability detected for certain Appendix III constituents (namely boron, chloride, and TDS) in these two upgradient wells relative to well GWC-7 are presented on **Figure 3**; the data set includes sampling events conducted between March 2016 and October 2019. These constituents are CCR indicator parameters due to their conservative (i.e., non-reactive) nature and relative abundance in CCR pore water and/or leachate. These indicators will appear in downgradient monitoring wells before many of the more reactive constituents (including arsenic) would show elevated concentrations if a release from a CCR unit had occurred.

The low concentrations of Appendix III parameters and lack of SSIs in downgradient well GWC-7 demonstrates that there has not been a release from the landfill; therefore, the SSI of arsenic is not caused by the regulated landfill.

### 2.2 Landfill Liner System

The construction of Parcels A and B minimizes the potential for a release to groundwater. Parcels A and B are constructed with a liquid collection and removal system that prevents accumulation on the liner, and with a liner system designed to prevent liquids from migrating from the landfill. Parcels A and B are constructed with a 24-inch compacted clay liner with a maximum hydraulic conductivity of  $1 \times 10^{-7}$  cm/sec. The liner is underlain with a minimum five-foot thick compacted fill buffer between the bottom of the clay liner and the seasonal high groundwater table.



A fate and transport model was completed in support of preparing the SAR. Under the more protective, conservative model scenario (i.e., highest potential for contaminant transport based on the range of determined soil parameters and model inputs), the model predicted that it would take landfill leachate more than 1,000 years to migrate through the 24-inch clay liner under normal operating conditions (GPC, 2002). To further improve the liner system and reduce the potential for leachate migration, Parcels A and B were retrofitted with a leachate collection and removal system underlain by 60-mil HDPE geomembrane overlaying and recompacting the underlying compacted clay liner to a maximum hydraulic conductivity of  $1 \times 10^{-7}$  cm/sec (GPC, 2016).

Currently, Parcels A and B receive CCR material (predominantly ash) from Plant Hammond. The dewatered CCR waste is stacked in lifts and compacted to 90 percent of Standard Proctor per ASTM standard D698 (GPC, 2016). A temporary daily cover is placed over the active portions of the cells to minimize infiltration of rainwater. The dry-handling of the CCR materials in conjunction with the temporary cover system minimizes the hydraulic head that could potentially drive CCR constituents into the subsurface. In addition, the leachate collection system and the low permeability clay component underlying the geomembrane liner further limits the potential for leachate migration.

### **2.3 Natural Variation of Groundwater Quality**

The slight increase in arsenic concentration that resulted in the SSI is likely attributed to natural variation caused by fluctuations in groundwater levels. Naturally-occurring arsenic documented at the site (i.e., as part of the mineral pyrite) can be mobilized through changes in geochemical conditions that can routinely occur as part of the natural hydrologic cycle. For example, during groundwater recharge, which occurs mostly during the winter and early spring in north Georgia, oxygenated precipitation percolates to the groundwater table and creates more aerobic conditions, while drier periods during the summer and fall result in a lower groundwater table with less aerobic conditions. Using the data between October 2017 and October 2019, there is a correlation between water levels and ORP in monitoring well GWC-7. As water levels rise (i.e., due to increased infiltration of precipitation), the ORP becomes more aerobic, and as the water levels drop, the ORP generally becomes less aerobic. Furthermore, as the ORP becomes mildly negative (i.e., slightly anaerobic) in this well, the arsenic concentrations increase, and vice versa. **Figure 4** depicts the correlations between these parameters.

The regional geology was summarized in the Site Acceptability Report (SAR) (SCS, 2002) based on the work of Cressler (1970). The Huffaker Road Landfill is located in the Floyd Shale member of the Judy Mountain Syncline. The geologic unit underlying the landfill is composed of clay and shale, transitioning to limestone at its base. Pyrite

was noted to be present at outcrops located at the landfill (SCS, 2002). Pyrite ( $\text{FeS}_2$ ) is a rock-forming mineral that contains arsenic as a substitute for sulfur and can be a natural source of arsenic in many settings (e.g., Smedley and Kinniburgh, 2002), including the site-specific geology and setting. This naturally-occurring arsenic appears to have been mobilized through slightly anaerobic conditions during the late fall of 2019, which followed a prolonged dry period in Georgia during the summer and fall of 2019.

### 3. CONCLUSIONS

Based on the information presented in this ASD, the arsenic SSI presented in the 2019 Annual Groundwater Monitoring and Corrective Action Report are not attributed to a release from the landfill. The SSI are likely the result of natural variation in groundwater quality. Therefore, the landfill will remain in detection monitoring

The As concentration in downgradient compliance well GWC-7 was reported outside its associated PL during the second 2019 semiannual groundwater detection monitoring event conducted in September 2019. A subsequent verification sampling event conducted in November 2019 confirmed this condition, which resulted in the identification of an SSI for arsenic in monitoring well GWC-7. However, the following lines of evidence demonstrate that the SSI is caused by natural variation in groundwater quality and not a release from the unit.

- Lack of Indicator Parameters:

Time trends of Appendix III parameters, including the “indicator” parameters boron, chloride, and TDS, show a stable trend and no statistical exceedances in compliance well GWC-7. Furthermore, the concentrations of these parameters are higher in upgradient wells GWA-3 and GWA-4 compared to downgradient well GWC-7. These conditions are not indicative of a leachate release from the unit.

- Modern Lined Landfill:

- Parcels A & B are constructed with a composite liner system, including a 60-mil HDPE geomembrane and a leachate collection system; the landfilled CCR waste is dry handled and there is no excess hydraulic head potentially driving CCR constituents into the subsurface. The lack of CCR-related impacts in monitoring well GWC-7 is supported by a lack of elevated concentrations of CCR indicator parameters, namely boron, chloride, and TDS.

- Natural Variation of Groundwater Conditions:

- Fluctuating water levels in well GWC-7 appear to have created slightly anaerobic conditions during the late fall of 2019, which followed a prolonged period of dry conditions during the summer and fall of 2019. These anaerobic conditions correlate with a concurrent increase in arsenic

concentrations. Arsenic is generally more mobile under anaerobic conditions, and the naturally-occurring arsenic that has been identified at the site appears to have been mobilized into groundwater.

#### 4. REFERENCES

Cressler, C.W. (1970). Geology and ground-water resources of Floyd and Polk Counties, Georgia. Information Circular 39, Geological Survey of Georgia.

ERM (2018). 2017 Annual Groundwater Monitoring and Corrective Action Report, Plant Hammond Huffaker Road Landfill, Permit No. 057-022D (LI). January 31, 2018.

Georgia Power Company (2016). Plant Hammond - Huffaker Road Coal Combustion By-Products Disposal Facility, Design and Operations Plan Minor Modification - 9/16/2016. Georgia Power Company.

Geosyntec Consultants (2020). 2019 Annual Groundwater Monitoring and Corrective Action Report, Plant Hammond Huffaker Road Landfill. January 2020.

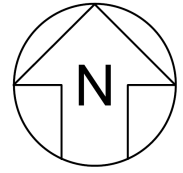
Smedley P.L. and D.G. Kinniburgh (2002). A review of the source, behaviour and distribution of arsenic in natural waters. *Applied Geochemistry* 17:517-568.

Southern Company Services, Inc. (SCS) (2002). Plant Hammond Proposed Huffaker Road Coal Combustion By-Products Storage Facility Site Acceptability Report. Birmingham, Alabama: Earth Science and Environmental Engineering.

SCS (2008). Georgia Power Company Plant Hammond Huffaker Road Landfill, Solid Waste Disposal Facility Permit No. 057-022D (LI), Background Groundwater Monitoring Report. Birmingham, Alabama: Earth Science and Environmental Engineering.

# FIGURES

N:\GA Power\Plant Hammond GW Services\2018\GIS\mxd\Huffaker\CCR annual\2018\Figure1\_SiteMap\_v1.mxd 12/17/2018 10:39:34 AM



**SITE LOCATION MAP**

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

Prepared For:  Georgia Power

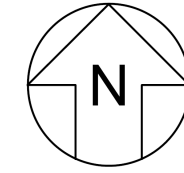
Prepared By: 

KENNESAW, GA



APRIL 2020

**FIGURE  
1**

N:\GA Power\Plant Hammond GW Services\2018\GIS\mxd\Huffaker\CCR annual\2018\Figure2 WellMap\_V1.mxd 12/12/2018 6:12:56 PM



**LEGEND**

-  Landfill Monitoring Well
-  Landfill Underdrain Sample Point



SCALE IN FEET

**WELL LOCATION MAP**

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

Prepared For:  Georgia Power

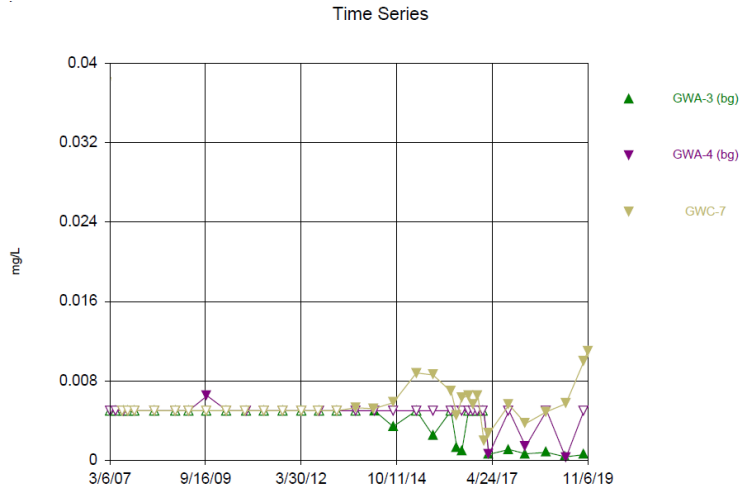
Prepared By:  Geosyntec  
 consultants

**FIGURE  
2**

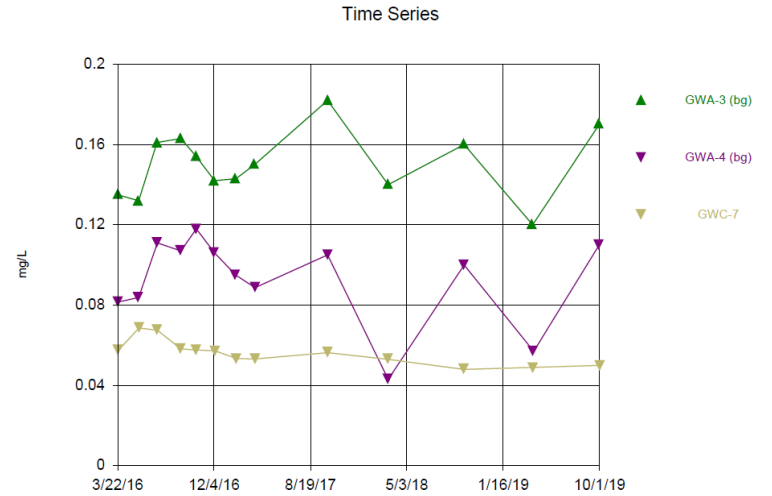
KENNESAW, GA

APRIL 2020

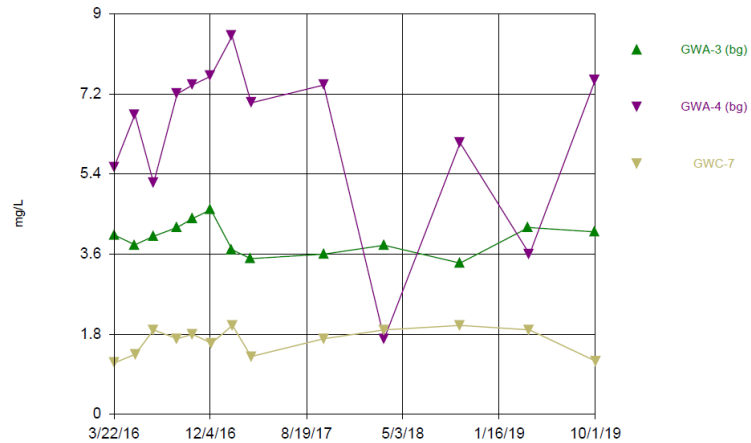




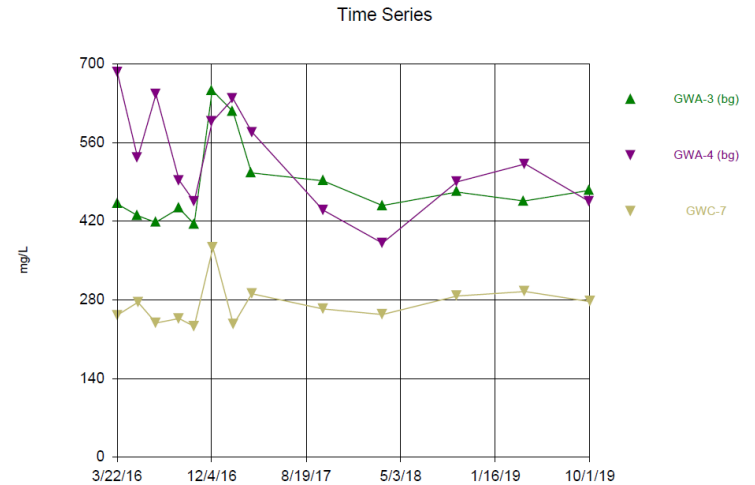
Constituent: Arsenic Analysis Run 4/27/2020 1:21 PM  
Hammond AP Client: Georgia Power Data: Huffaker Road Landfill



Constituent: Boron Analysis Run 4/27/2020 1:21 PM  
Hammond AP Client: Georgia Power Data: Huffaker Road Landfill



Constituent: Chloride Analysis Run 4/27/2020 1:22 PM  
Hammond AP Client: Georgia Power Data: Huffaker Road Landfill



Constituent: Total Dissolved Solids Analysis Run 4/27/2020 1:22 PM  
Hammond AP Client: Georgia Power Data: Huffaker Road Landfill

**Time Series Chart – As, B, Cl, TDS in GWA-3, GWA-4, and GWC-7**

Georgia Power Company  
Huffaker Road Landfill  
Rome, Floyd County, Georgia

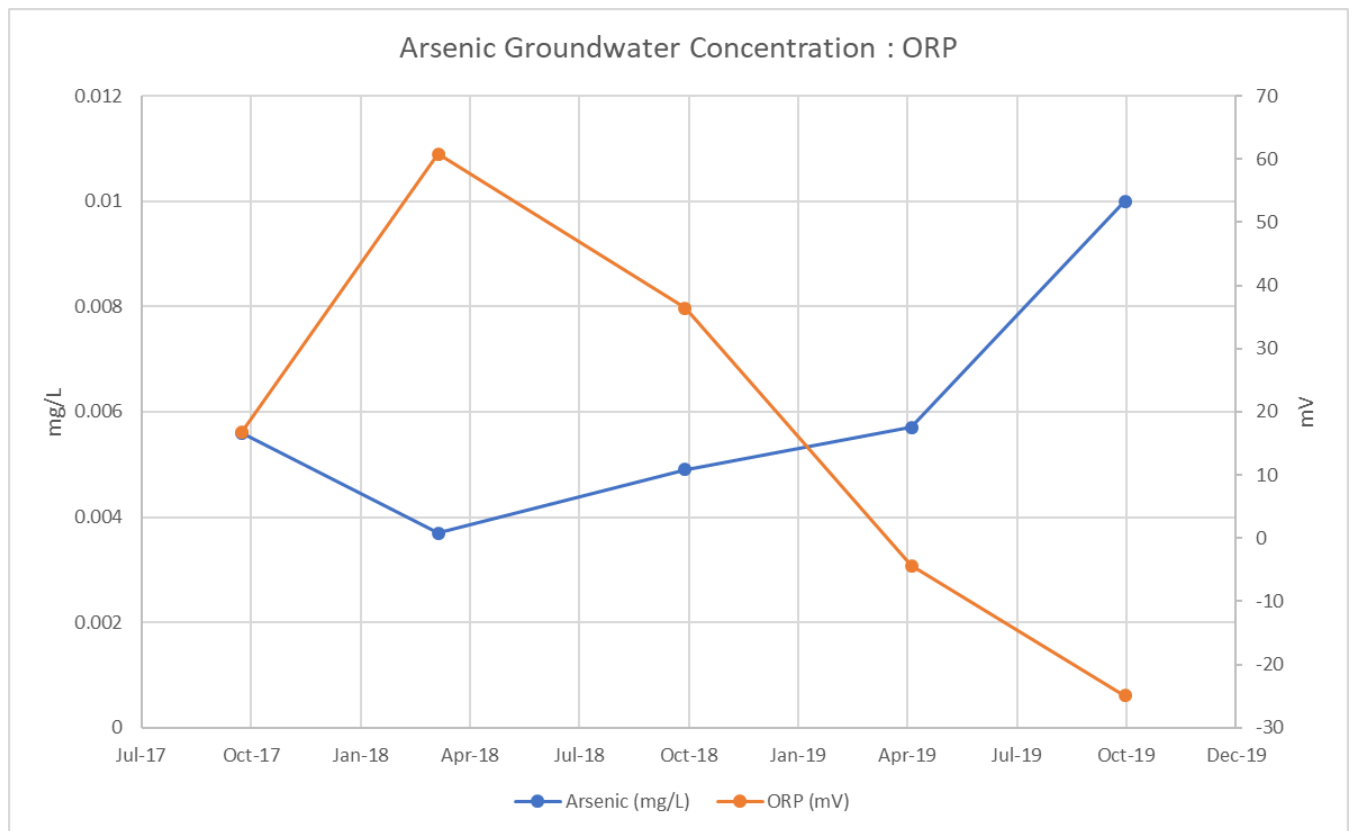
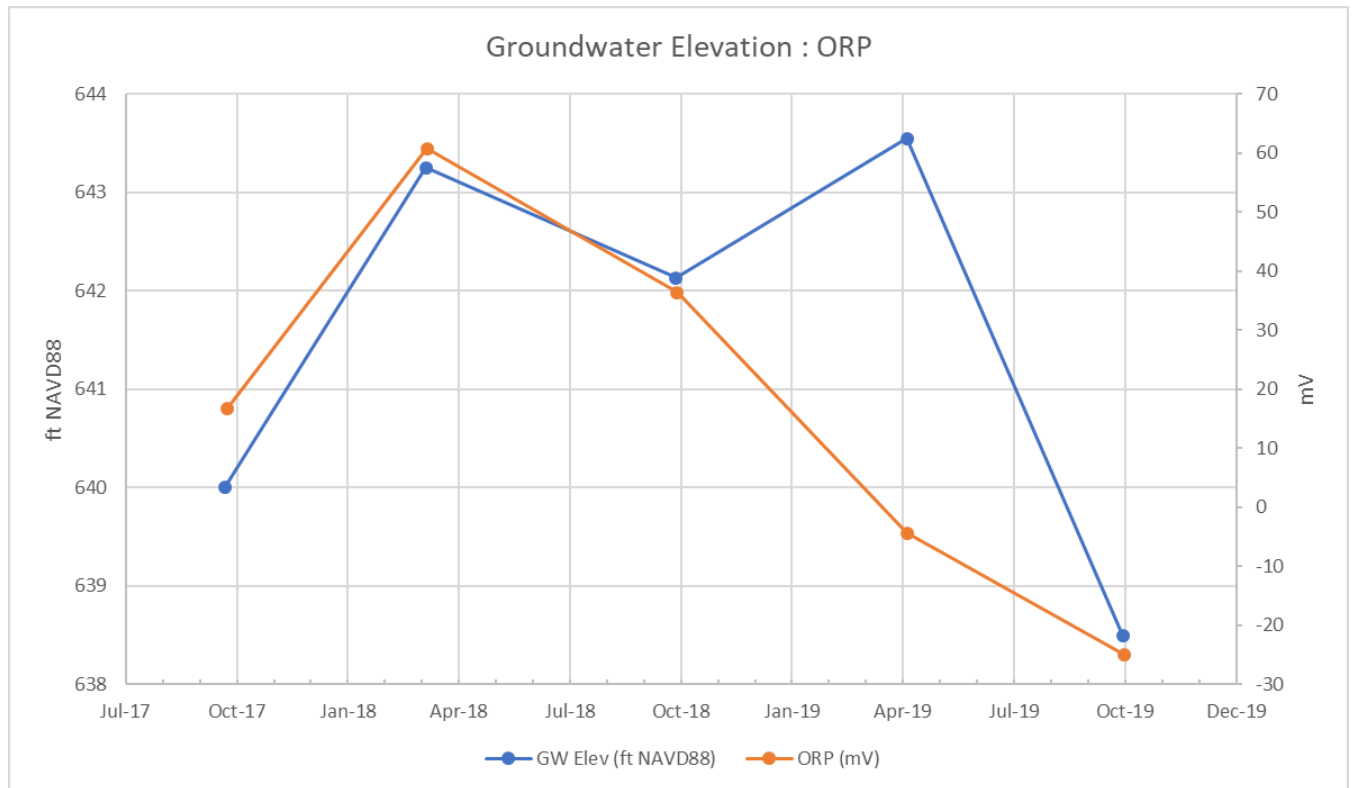


KENNESAW, GA

APRIL 2020

**Figure**

**3**



**Correlations Between Groundwater Elevations,  
ORP, and Arsenic at GWC-7**  
 Georgia Power Company  
 Huffaker Road Landfill  
 Rome, Floyd County, Georgia

**Geosyntec**  
 consultants

KENNESAW, GA

APRIL 2020

**Figure**

**4**



*Prepared for*

**Georgia Power Company**  
241 Ralph McGill Blvd NE  
Atlanta, Georgia 30308

**ALTERNATE SOURCE  
DEMONSTRATION – BORON  
PLANT HAMMOND HUFFAKER ROAD LANDFILL**

*Prepared by*

**Geosyntec**   
consultants

engineers | scientists | innovators

1255 Roberts Boulevard, Suite 200  
Kennesaw, Georgia 30144

Project Number GW6581B

November 2020



## **ALTERNATE SOURCE DEMONSTRATION – BORON**

Plant Hammond  
Huffaker Road Landfill  
Permit No. 057-022D (LI)

November 5, 2020

A handwritten signature in cursive script that reads "Noelia Muskus".

---

Noelia Muskus, E.I.T  
*Engineer*

A handwritten signature in cursive script that reads "Whitney B. Law".

---

Whitney Law, P.E.  
*Project Manager*

**Certification Statement**

**Alternate Source Demonstration – Boron  
Plant Hammond  
Huffaker Road Landfill  
Permit No. 057-022D (LI)  
November 5, 2020**

I certify that the above document, including interpretations and recommendations, were completed in accordance with the Georgia Environmental Protection Division’s Solid Waste Rules (Chapter 391-3-4.14) by or under the direct supervision of a Georgia-registered professional geologist or a Georgia-registered professional engineer who is a qualified groundwater scientist.

*Whitney B. Law*

Seal and Signature



11/5/2020

Date

## TABLE OF CONTENTS

1.	INTRODUCTION .....	1
1.1	Purpose .....	1
1.2	Summary of ASD .....	1
1.3	Site Setting and Operational History .....	2
1.4	Groundwater Monitoring .....	2
1.5	Basis of the Statistically Significant Increase .....	3
2.	ALTERNATE SOURCE DEMONSTRATION.....	4
2.1	Upgradient Conditions.....	4
2.2	Uncertainty Associated with the Data .....	5
2.3	Lined Landfill.....	6
3.	CONCLUSIONS .....	7
4.	REFERENCES .....	8

## LIST OF FIGURES

Figure 1	Site Location Map
Figure 2	Monitoring Well Network Map
Figure 3	Time Series Chart – B, Cl, TDS in GWA-2, GWA-3, GWA-4, and GWC-8

## LIST OF APPENDICES

Appendix A	Potentiometric Surface Contour Map from 2020 First Semiannual Report
Appendix B	Historical Aerial Photographs
Appendix C	Interwell Prediction Limit Analysis

## LIST OF ACRONYMS

ASD	Alternate Source Demonstration
ASTM	American Society for Testing and Materials
B	boron
CCR	Coal Combustion Residual
CFR	Code of Federal Regulations
cm/sec	centimeter per second
D&O	Design & Operation
GA EPD	Environmental Protection Division
Georgia Power	Georgia Power Company
HDPE	high-density polyethylene
MDL	method detection limit
mg/L	milligrams per liter
PL	prediction limit
RL	reporting limit
SCS	Southern Company Services, Inc.
SSI	statistically significant increase
USEPA	United States Environmental Protection Agency

## 1. INTRODUCTION

### 1.1 Purpose

This document presents an alternate source demonstration (ASD) for the statistically significant increase (SSI) of boron detected in compliance well GWC-8 located at Georgia Power Company's (Georgia Power's) Plant Hammond Huffaker Road Landfill (the landfill). The boron SSI was identified based on statistical evaluation of the groundwater quality data set obtained from the March 2020 sampling event. The SSI was subsequently confirmed with a verification sampling event conducted June 19, 2020.

The landfill is currently managed 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 (CCR Rule) [40 Code of Federal Regulations (CFR) 257 Subpart D] and the GA EPD Rules for Solid Waste Management 391-3-4-.10. (Coal Combustion Residuals). This ASD has been prepared pursuant to Rule 391-3-4-.14(23)(c) of the Georgia Administrative Code, which states that "the owner or operator may demonstrate that a source other than a MSWLF (municipal solid waste landfill) unit caused the contamination or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality." This language is consistent with the requirements of the Federal CCR Rule stipulated in 40 CFR 257.94(e)(2), which has been incorporated by reference into Rule 391-3-4-.10(23)(c) of the Georgia Administrative Code.

### 1.2 Summary of ASD

Based on review of available site data, the boron SSI reported for well GWC-8 is not associated with a release from the landfill and is caused by natural variation in groundwater quality. This ASD provides the following information supporting this conclusion:

- Upgradient background boron concentrations are greater than those observed in well GWC-8. Groundwater samples collected from compliance monitoring wells GWA-2, GWA-3, and GWA-4 located upgradient of the lined landfill reported higher concentrations of boron relative to compliance well GWC-8 located downgradient of the landfill. The data indicate that these results are representative of natural background chemistry and variability, not the CCR unit. The likely



source of the higher constituent concentrations is the historical clay mining operation located immediately upgradient of wells GWA-2, GWA-3, and GWA-4. Running an interwell prediction limit (PL) analysis combined with a 1-of-2 resample plan on GWC-8 did not identify a boron SSI in GWC-8.

- This boron SSI and most of the historical data from GWC-8 is qualified as estimated by the laboratory; therefore, the boron exceedance of the PL is subject to significant uncertainty and might not be a reliable indicator of a potential release from the unit.
- Parcels A and B are constructed with a composite liner system, including a 60-mil high-density polyethylene (HDPE) geomembrane and a leachate collection system; in addition, the CCR waste is landfilled in a dewatered state and there is no excess hydraulic head potentially driving CCR constituents into the subsurface.

### **1.3 Site Setting and Operational History**

The landfill is located in Floyd County, near Rome, Georgia, approximately one mile west of the Rome city limit and approximately five miles northeast of Plant Hammond (**Figure 1**). The landfill is located within the Valley and Ridge Physiographic Province of Georgia, which is underlain by shales, dolomites, and limestones of Cambrian and Ordovician age, and the landfill itself is located in the Floyd Shale member of the Judy Mountain syncline (SCS, 2002).

Huffaker Road 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. Monitoring well GWC-8 is downgradient of Parcels A and B. Parcels A and B are constructed with a bottom liner system composed of a leachate collection system and a 60-mil HDPE geomembrane overlaying a minimum 24-inch compacted clay with a maximum hydraulic conductivity of  $1 \times 10^{-7}$  centimeters per second (cm/sec). Disposal operations commenced on May 5, 2008. Parcels A and B are currently active.

### **1.4 Groundwater Monitoring**

A groundwater monitoring plan was originally developed under the Georgia Solid Waste rules as part of the landfill's D&O Plan to comply with the requirements of Solid Waste Permit No. 057-022D (LI). The groundwater monitoring system consists of 17 wells (five upgradient wells and 12 downgradient wells) installed between September 2001 and February 2007 (ERM, 2018). The site layout and the locations of each well are presented

on **Figure 2**. Groundwater monitoring at the landfill began in 2007, prior to disposal activities, and continues to date. In addition to groundwater monitoring under the D&O Plan, groundwater monitoring is also conducted under the Federal and Georgia CCR Rules, and the CCR groundwater monitoring under these rules commenced in March 2016.

### **1.5 Basis of the Statistically Significantly Increase**

The following presents a summary of the statistical approach to assess the March 2020 groundwater data for potential SSIs of permit-stipulated parameters in downgradient compliance wells. 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 data sets are statistically evaluated per semiannual monitoring event. One data set contains Appendix III parameters, which is applicable to both of the aforementioned rules. The other data set contains the D&O-specified parameters, applicable to Rule 391-3-4.14. The statistical approach used to evaluate groundwater data for the landfill for both the Appendix III and D&O parameters is the intrawell PL method combined with a 1-of-2 resample plan. The statistical analyses and comparisons to PLs are discussed in further detail in the *2020 Semiannual Groundwater Monitoring and Corrective Action Report (2020 Semiannual Report)* (Geosyntec, 2020).

Statistical analysis of the March 2020 data identified an SSI of boron for well GWC-8. The initial boron concentration of 0.056 (J) milligrams per liter (mg/L). The (J) qualifier applied by the laboratory represents an estimated concentration above the adjusted method detection limit (MDL, reported as 0.0049 mg/L) and below the reporting limit (RL) of 0.10 mg/L. This estimated boron concentration was verified through a subsequent resampling and analysis conducted in June 2020 with a boron concentration of 0.086 (J) mg/L. These concentrations exceeded the PL of 0.055 mg/L.

## 2. ALTERNATE SOURCE DEMONSTRATION

Based on review of site information, the SSI for boron at compliance well GWC-8 is not related to a release from lined Parcels A and B at the landfill but is instead caused by natural variation in the groundwater quality. The following sections present information supporting this conclusion.

### 2.1 Upgradient Conditions

Groundwater quality conditions within upgradient assessment wells GWA-2, GWA-3, and GWA-4 are characterized by higher boron concentrations and greater variability relative to downgradient compliance well GWC-8. The degree of spatial and temporal variability detected for boron concentrations in these three upgradient wells relative to well GWC-8 are presented on **Figure 3**; the data set includes sampling events conducted between March 2016 and June 2020 (where applicable). Other Appendix III parameters, i.e., Cl and TDS, were included on this figure to illustrate these parameters' similar concentration trends relative to boron. The low concentrations of Appendix III parameters in downgradient well GWC-8 relative to upgradient wells supports the conclusion that the boron source is not associated with the regulated landfill.

A potentiometric surface map developed from water levels recorded during the March 2020 detection monitoring event, and submitted as part of the 2020 Semiannual Report, is included as **Appendix A**.

The higher boron concentrations in upgradient wells GWA-2, GWA-3, and GWA-4 are likely associated with historical clay mining operations located immediately north, and upgradient of these wells, across Huffaker Road. Aerial photographs provided in **Appendix B** illustrate conditions at the site as well as north of the site between 1993 and 2017, showing the land disturbance activities during this period. Disturbances of the overburden through clay mining operations have likely created conditions for increased dissolution of constituents into groundwater, including boron and other Appendix III parameters. This is likely due to increased dissolution of naturally-occurring constituents from disturbed surfaces as recharge from precipitation dissolves constituents as rain water permeates through the vadose zone into groundwater.

An interwell PL analysis was performed to evaluate the boron SSI and account for the natural variation of the site observed in upgradient conditions. The statistical approach to evaluate the groundwater data was the interwell PL method combined with a 1-of-2 resample plan. Interwell PL pool upgradient well data to establish a background limit for an individual constituent, and the most recent sample from each downgradient well is

compared to the same limit for each parameter. The most recent sample from each downgradient well is compared to the background limit to determine whether there are SSIs. The PL results for GWC-8 are included in **Appendix C**. The calculated interwell PL for boron is 0.182 mg/L, and as observed in the interwell PL graph, all boron concentrations are below this value. Therefore, no boron SSI is identified at GWC-8 using interwell statistics.

## **2.2 Uncertainty Associated with the Data**

The statistical analysis of the March 2020 data was performed in accordance with the USEPA document *Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance* (Unified Guidance) (USEPA, 2009). Chapter 6 of the Unified Guidance reviews the detection monitoring design; Section 6.3 includes a discussion on how key assumptions impact statistical design. The Unified Guidance recommends using the estimated value for statistical purposes instead of the RL which is higher than the estimated value and typically taken as a more reasonable upper bound for non-detects than the MDL. Using a conservative approach, all estimated values were used in the construction of the PL.

Review of the historical data set of well GWC-8 (provided in **Appendix C**) indicates that approximately 94% of the concentrations are estimated (J), including the 2020 results. As a result, both the statistical limit and the 2020 compliance data points for boron at GWC-8 were based on estimated concentrations. Although the statistical methods were completed in accordance with the Unified Guidance recommendations, the boron exceedance is based on a data set where most data points are below the RL, defined as the lowest concentration value for quantitative data with known precision and bias. The Unified Guidance recognizes the limitations of estimated concentrations. In the Chapter 6 discussion referenced above, the document states that the degree of uncertainty associated with estimated concentrations is greater than that associated with measurements above the reporting limit.

Estimated concentrations that fall between the MDL and the RL only provide an indication of where the true concentrations lie. Due to the estimated nature of both the background data set and compliance data points, the boron exceedance of the PL is subject to significant uncertainty and might not be a reliable indicator of a potential release from the unit. Therefore, the boron data at GWC-8 should not be solely relied upon to evaluate the likelihood of a release from the unit and other lines of evidence should be considered.

### **2.3 Lined Landfill**

As previously stated, Parcels A and B are constructed with a bottom liner system composed of a leachate collection system and a 60-mil HDPE geomembrane overlaying a minimum 24-inch compacted clay with a maximum hydraulic conductivity of  $1 \times 10^{-7}$  cm/sec.

Currently, Parcels A and B receive CCR material (predominantly ash) from Plant Hammond. The dewatered CCR waste is stacked in lifts and compacted to 90 percent of Standard Proctor per ASTM standard D698 (GPC, 2016). A temporary daily cover is placed over the active portions of the cells to minimize infiltration of rainwater. The dry-handling of the CCR materials in conjunction with the temporary cover system minimizes the hydraulic head that could potentially drive CCR constituents into the subsurface. In addition, the leachate collection system and the low permeability clay component underlying the geomembrane liner further limits the potential for leachate migration. The installed protective barriers and operational procedures at the landfill support the conclusion that constituent concentrations in well GWC-8 are not caused by a release from the unit.

### 3. CONCLUSIONS

The boron concentration in downgradient compliance well GWC-8 was reported outside its associated PL during the semiannual 2020 groundwater detection monitoring event conducted in March 2020. A subsequent verification sampling event conducted June 19, 2020 confirmed the initial concentration, which resulted in the identification of an SSI for boron in monitoring well GWC-8 using intrawell statistics. However, the following lines of evidence demonstrate that the SSI is caused by natural variation in the groundwater quality and not a release from the unit.

- Upgradient Conditions:
  - Upgradient wells GWA-2, GWA-3, and GWA-4 have higher concentrations of boron and/or Appendix III parameters compared to downgradient well GWC-8. The historical clay mining operation located upgradient of the landfill is likely an alternative source of boron (and other Appendix III parameters). An interwell PL with a 1-of-2 resample plan did not identify a boron SSI at well GWC-8.
- Uncertainty Associated with the Data:
  - The majority of the background dataset used to calculate the PL and the compliance data point for March 2020 are qualified as estimated concentrations by the laboratory. Therefore, the boron exceedance of the PL is subject to significant uncertainty and might not be a reliable indicator of a potential release from the unit.
- Lined Landfill:
  - Parcels A & B are constructed with a composite liner system, including a 60-mil HDPE geomembrane and a leachate collection system; the landfilled CCR waste is dry handled and there is no excess hydraulic head potentially driving CCR constituents into the subsurface. These conditions make it unlikely that a release from the unit has occurred, supporting the conclusion that a source other than the regulated unit is responsible for the SSI.

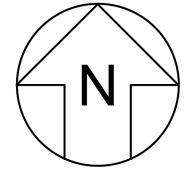
#### 4. REFERENCES

- ERM (2018). 2017 Annual Groundwater Monitoring and Corrective Action Report, Plant Hammond Huffaker Road Landfill, Permit No. 057-022D (LI). January 31, 2018.
- Georgia Power Company (2016). Plant Hammond - Huffaker Road Coal Combustion By-Products Disposal Facility, Design and Operations Plan Minor Modification - 9/16/2016. Georgia Power Company.
- Geosyntec Consultants (2020). 2020 Semiannual Groundwater Monitoring and Corrective Action Report, Plant Hammond Huffaker Road Landfill. August 2020.
- Southern Company Services, Inc. (2002). Plant Hammond Proposed Huffaker Road Coal Combustion By-Products Storage Facility Site Acceptability Report. Birmingham, Alabama: Earth Science and Environmental Engineering.
- USEPA (2015). Hazardous and Solid Waste Management Systems; Disposal of Coal Combustion Residuals from Electric Utilities; Final Rule, 40 CFR Parts 257 and 261, Federal Register, Vol. 80, No. 74, April 17, 2015, pp.21302-21501
- USEPA (2009). Statistical Analysis of Groundwater Data at RCRA Facilities Unified Guidance. Office of Solid Waste Management Division, EPA. Washington, D.C. March 2009.

# FIGURES



N:\GA Power\Plant\_Hammond GW Services\GIS\mxd\Huffaker\2020\CCR Report\01\_Semiannual\Figure 1\_SiteMap.mxd 8/11/2020 8:20:42 PM



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



SCALE IN FEET

**SITE LOCATION MAP**

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

Prepared For:  Georgia Power

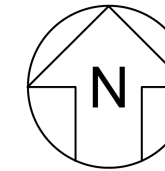
Prepared By:  Geosyntec  
consultants



KENNESAW, GA

OCTOBER 2020

**FIGURE  
1**

N:\GA Power\Plant\_Hammond\_GW\_Services\GIS\mxd\Huffaker\2020\CCR Report\01\_Semiannual\Figure 2\_WellMap.mxd 8/11/2020 8:26:02 PM



- LEGEND**
-  Compliance Monitoring Well
  -  Landfill Underdrain Sample Point



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



**MONITORING WELL NETWORK MAP**

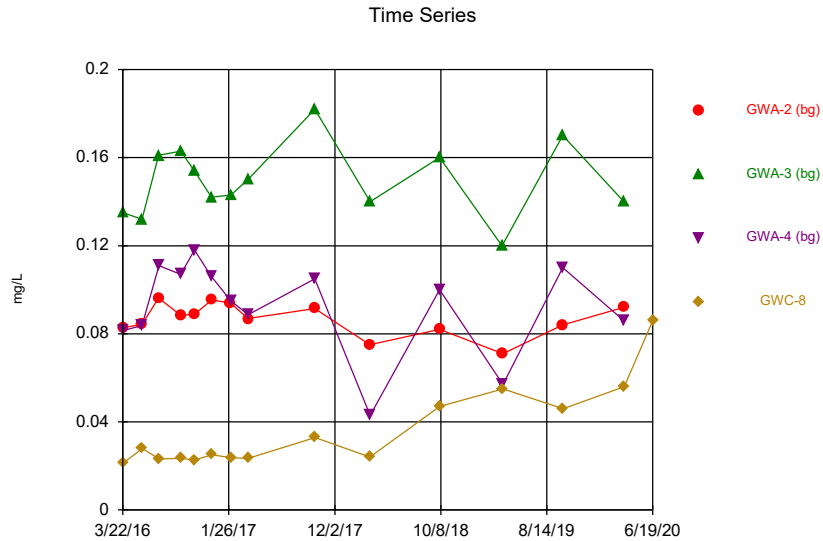
GEORGIA POWER COMPANY  
PLANT HAMMOND HUFFAKER ROAD LANDFILL  
FLOYD COUNTY, GEORGIA

Prepared For:  Georgia Power

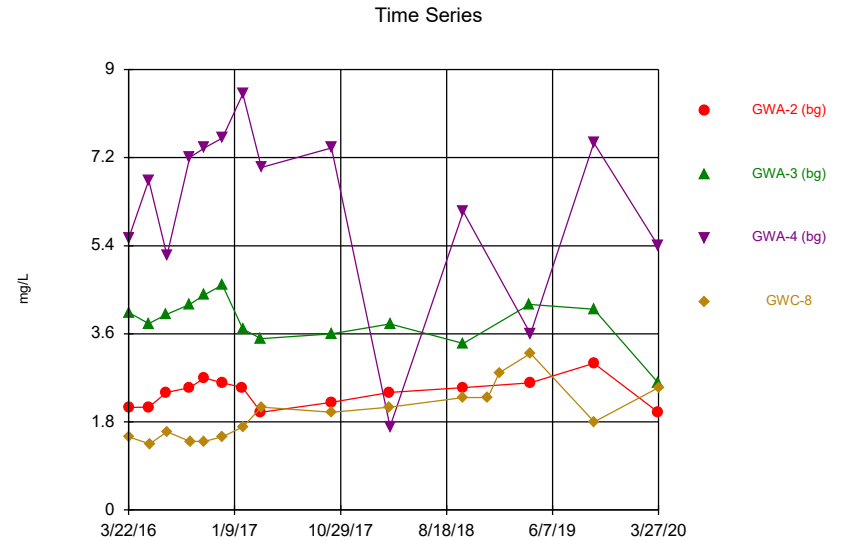
Prepared By:  Geosyntec  
consultants

KENNESAW, GA      OCTOBER 2020

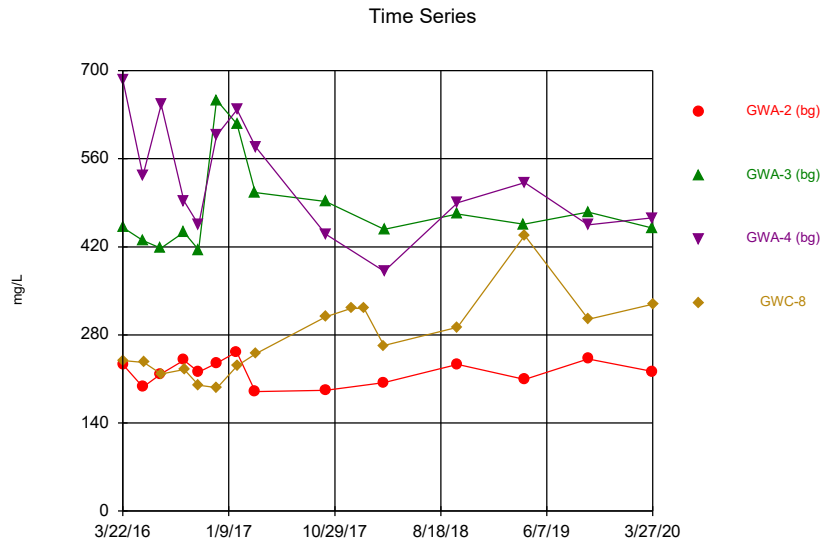
**FIGURE**  
**2**



Constituent: Boron Analysis Run 10/15/2020 7:36 AM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Constituent: Chloride Analysis Run 10/15/2020 7:36 AM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



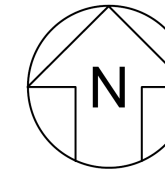
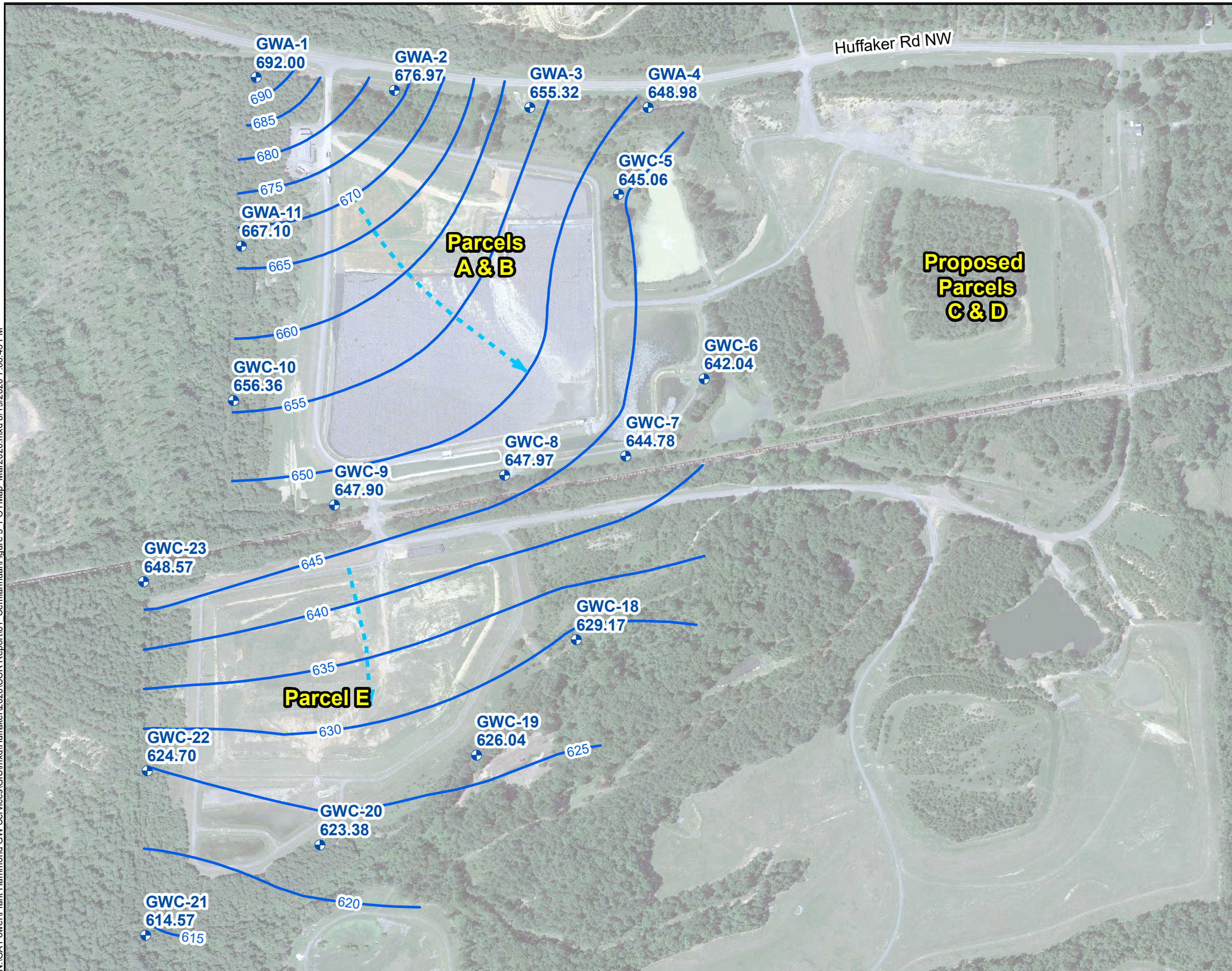
Constituent: Total Dissolved Solids Analysis Run 10/15/2020 7:36 AM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

<p><b>Time Series Chart – B, Cl, TDS in                  GWA-2, GWA-3, GWA-4, and GWC-8</b></p> <p>Georgia Power Company                  Huffaker Road Landfill                  Rome, Floyd County, Georgia</p>	
KENNESAW, GA	OCTOBER 2020
<p><b>Figure</b></p> <p><b>3</b></p>	

## APPENDIX A

### Potentiometric Surface Map from 2020 Semiannual Report

N:\GA Power\Plant Hammond GW Services\GIS\mxd\Huffaker\2020\CCR Report\01\_Semiannual\Figure 3\_POTMap\_Mar2020.mxd 8/19/2020 7:08:43 PM



**LEGEND**

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



- Notes:
1. Water level elevation recorded on March 25, 2020. 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 2020**

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

Prepared For: Georgia Power

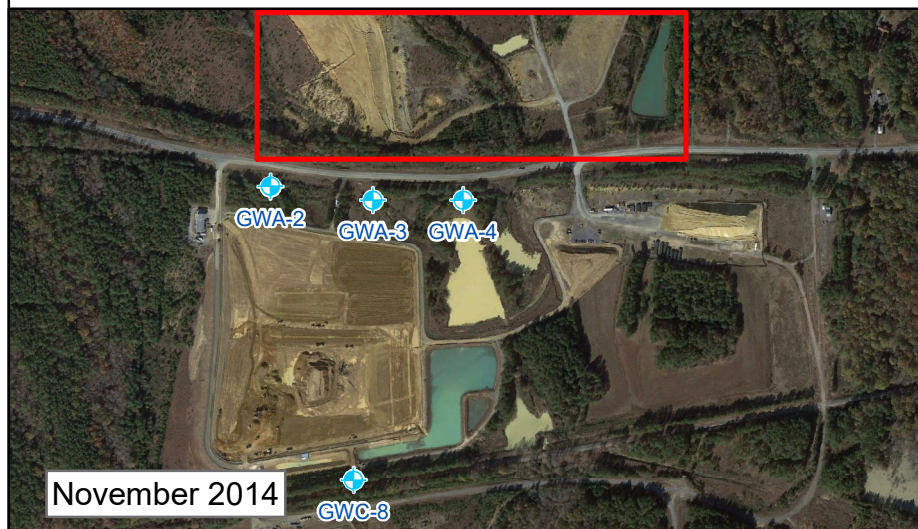
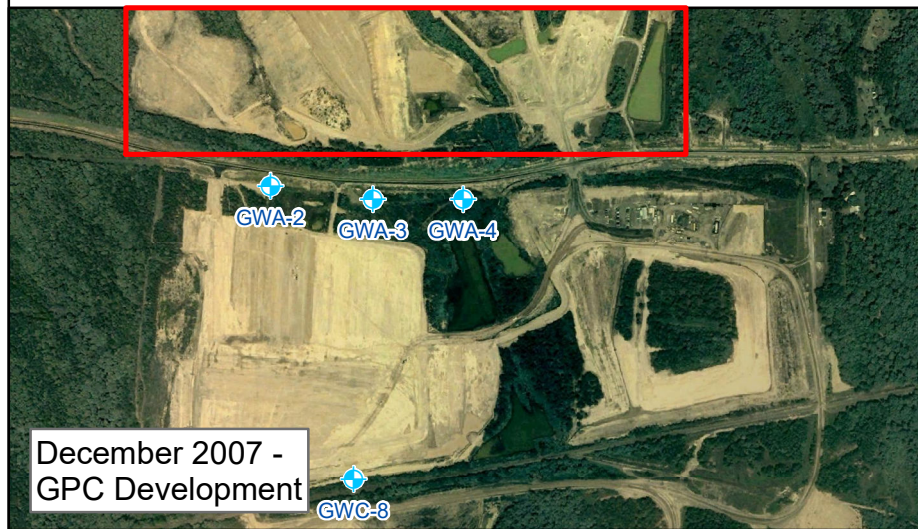
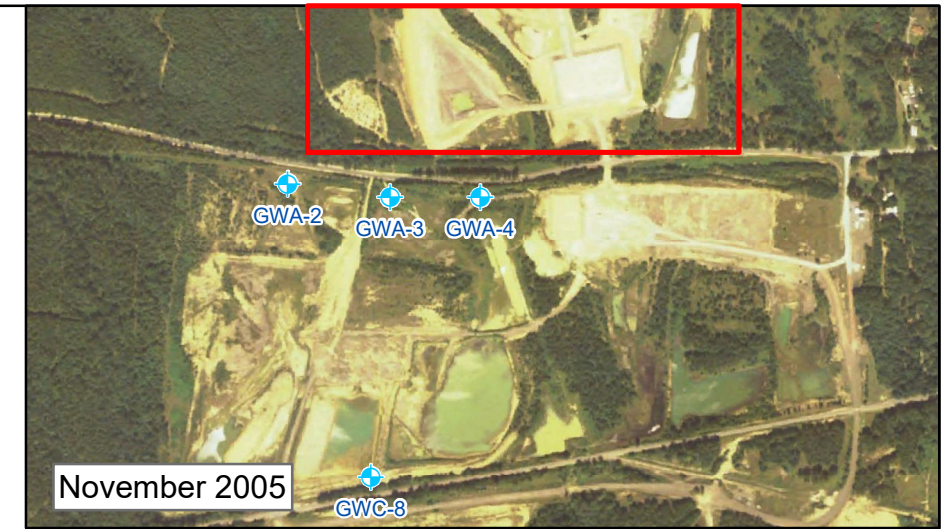
Prepared By: Geosyntec consultants

KENNESAW, GA    AUGUST 2020

**FIGURE 3**

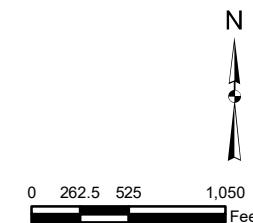
## APPENDIX B

### Historical Aerial Photographs



**Legend**  
 Monitoring Well  
 Area of Historical Mining Operations

Note:  
 1. Aerial Photograph from Google Earth



**Historical Aerial Photographs**

Georgia Power Company  
 Huffaker Road Landfill  
 Rome, Floyd County, Georgia

**Geosyntec**  
 consultants

Kennesaw, GA

October 2020

**Figure  
 B-1**

## APPENDIX C

### Interwell Prediction Limit Analysis



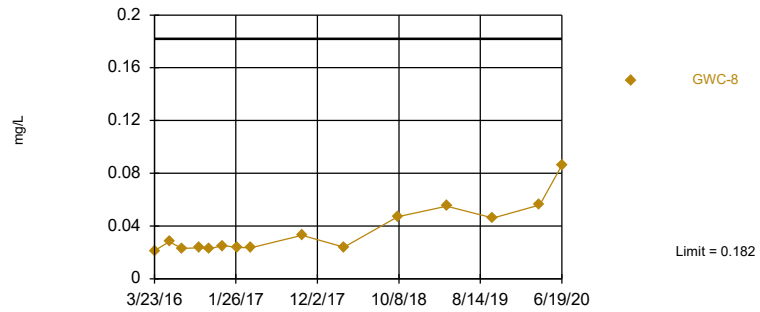
# Interwell Prediction Limit Summary

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/15/2020, 7:37 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-8	0.182	n/a	6/19/2020	0.086J	No	70	n/a	n/a	2.857	n/a	n/a	0.0003832	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 70 background values. 2.857% NDs. Annual per-constituent alpha = 0.009157. Individual comparison alpha = 0.0003832 (1 of 2). Assumes 11 future values.

Constituent: Boron Analysis Run 10/15/2020 7:37 AM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/15/2020 7:37 AM  
 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)

## APPENDIX D

### Laboratory Analytical and Field Sampling Reports

## APPENDIX D1

# Laboratory Analytical Data Packages and Validation Reports

# Laboratory Reports

May 05, 2020

Joju Abraham  
Georgia Power - Coal Combustion Residuals  
2480 Maner Road  
Atlanta, GA 30339

RE: Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between March 27, 2020 and April 01, 2020. 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 - Atlanta, GA

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

Sincerely,



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

Enclosures

cc: Kristen Jurinko  
Whitney Law, Geosyntec Consultants  
Noelia Muskus, Geosyntec Consultants  
Lauren Petty, Southern Company Services, Inc.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

---

### **Pace Analytical Services Atlanta**

110 Technology Parkway Peachtree Corners, GA 30092

Florida DOH Certification #: E87315

Georgia DW Inorganics Certification #: 812

Georgia DW Microbiology Certification #: 812

North Carolina Certification #: 381

South Carolina Certification #: 98011001

Virginia Certification #: 460204

---

### **Pace Analytical Services Asheville**

2225 Riverside Drive, Asheville, NC 28804

Florida/NELAP Certification #: E87648

Massachusetts Certification #: M-NC030

North Carolina Drinking Water Certification #: 37712

North Carolina Wastewater Certification #: 40

South Carolina Certification #: 99030001

Virginia/VELAP Certification #: 460222

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## SAMPLE SUMMARY

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Lab ID	Sample ID	Matrix	Date Collected	Date Received
2630525001	GWA-2	Water	03/26/20 10:41	03/27/20 13:00
2630525002	GWA-1	Water	03/26/20 13:07	03/27/20 13:00
2630525003	GWC-23	Water	03/26/20 16:34	03/27/20 13:00
2630525004	FB-05	Water	03/26/20 17:55	03/27/20 13:00
2630525005	GWA-4	Water	03/26/20 11:13	03/27/20 13:00
2630525006	GWA-3	Water	03/26/20 12:21	03/27/20 13:00
2630525007	GWA-11	Water	03/26/20 15:45	03/27/20 13:00
2630525008	GWC-9	Water	03/27/20 09:40	03/30/20 10:20
2630525009	GWC-8	Water	03/27/20 12:49	03/30/20 10:20
2630525010	GWC-10	Water	03/27/20 13:03	03/30/20 10:20
2630525011	FD-05	Water	03/27/20 00:00	03/30/20 10:20
2630525012	GWC-7	Water	03/30/20 15:17	03/31/20 11:35
2630525013	EB-01	Water	03/30/20 17:15	03/31/20 11:35
2630525014	GWC-18	Water	03/30/20 14:51	03/31/20 11:35
2630525015	GWC-6	Water	03/31/20 12:30	04/01/20 10:30
2630525016	GWC-5	Water	03/31/20 13:50	04/01/20 10:30
2630525017	GWC-19	Water	03/31/20 07:52	04/01/20 10:30
2630525018	GWC-20	Water	03/31/20 10:48	04/01/20 10:30
2630525019	GWC-21	Water	03/31/20 15:18	04/01/20 10:30
2630525020	GWC-22	Water	03/31/20 12:33	04/01/20 10:30

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2630525001	GWA-2	EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	TC1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
2630525002	GWA-1	EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	TC1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
2630525003	GWC-23	EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	TC1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
2630525004	FB-05	EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	TC1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
2630525005	GWA-4	EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	TC1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
2630525006	GWA-3	EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	TC1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
2630525007	GWA-11	EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	TC1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
2630525008	GWC-9	EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	TC1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
2630525009	GWC-8	EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	TC1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
2630525010	GWC-10	EPA 6010D	DRB	2	PASI-GA

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2630525011	FD-05	EPA 6020B	CSW	15	PASI-GA
		SM 2540C	TC1	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	TC1	1	PASI-GA
2630525012	GWC-7	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
2630525013	EB-01	EPA 6020B	CSW	15	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	ALW	1	PASI-GA
2630525014	GWC-18	EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	ALW	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	BRJ	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
2630525015	GWC-6	EPA 6020B	CSW	15	PASI-GA
		SM 2540C	JRS	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	JRS	1	PASI-GA
2630525016	GWC-5	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	JRS	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
2630525017	GWC-19	EPA 6020B	CSW	15	PASI-GA
		SM 2540C	JRS	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	JRS	1	PASI-GA
2630525018	GWC-20	EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	JRS	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
2630525019	GWC-21	EPA 6020B	CSW	15	PASI-GA
		EPA 6010D	DRB	2	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
2630525020	GWC-22	SM 2540C	JRS	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A
		EPA 6010D	DRB	2	PASI-GA
		EPA 6020B	CSW	15	PASI-GA
		SM 2540C	JRS	1	PASI-GA
		EPA 300.0 Rev 2.1 1993	CDC	3	PASI-A

PASI-A = Pace Analytical Services - Asheville

PASI-GA = Pace Analytical Services - Atlanta, GA

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>2630525001</b>	<b>GWA-2</b>					
	Field pH	7.07	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	43.2	mg/L	1.0	04/03/20 21:51	
EPA 6020B	Antimony	0.00049J	mg/L	0.0030	04/03/20 15:45	
EPA 6020B	Barium	0.16	mg/L	0.010	04/03/20 15:45	
EPA 6020B	Boron	0.092J	mg/L	0.10	04/03/20 15:45	
EPA 6020B	Chromium	0.00043J	mg/L	0.010	04/03/20 15:45	
SM 2540C	Total Dissolved Solids	222	mg/L	10.0	04/02/20 15:00	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	04/03/20 07:19	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12J	mg/L	0.30	04/03/20 07:19	
EPA 300.0 Rev 2.1 1993	Sulfate	15.6	mg/L	1.0	04/03/20 07:19	
<b>2630525002</b>	<b>GWA-1</b>					
	Field pH	7.02	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	14.0	mg/L	1.0	04/03/20 21:54	
EPA 6020B	Antimony	0.00028J	mg/L	0.0030	04/03/20 15:50	
EPA 6020B	Barium	0.032	mg/L	0.010	04/03/20 15:50	
EPA 6020B	Boron	0.022J	mg/L	0.10	04/03/20 15:50	
EPA 6020B	Cobalt	0.00049J	mg/L	0.0050	04/03/20 15:50	
EPA 6020B	Nickel	0.00065J	mg/L	0.0050	04/03/20 15:50	
SM 2540C	Total Dissolved Solids	73.0	mg/L	10.0	04/02/20 15:00	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	04/04/20 18:16	
EPA 300.0 Rev 2.1 1993	Fluoride	0.082J	mg/L	0.30	04/04/20 18:16	
EPA 300.0 Rev 2.1 1993	Sulfate	5.0	mg/L	1.0	04/04/20 18:16	
<b>2630525003</b>	<b>GWC-23</b>					
	Field pH	6.88	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	44.7	mg/L	1.0	04/03/20 21:58	
EPA 6020B	Barium	0.071	mg/L	0.010	04/30/20 18:30	
EPA 6020B	Boron	0.042J	mg/L	0.10	04/30/20 18:30	
EPA 6020B	Cobalt	0.00035J	mg/L	0.0050	04/30/20 18:30	
EPA 6020B	Copper	0.00067J	mg/L	0.0050	04/30/20 18:30	
EPA 6020B	Lead	0.00016J	mg/L	0.0050	04/30/20 18:30	
EPA 6020B	Nickel	0.0010J	mg/L	0.0050	04/30/20 18:30	
SM 2540C	Total Dissolved Solids	193	mg/L	10.0	04/02/20 17:54	
EPA 300.0 Rev 2.1 1993	Chloride	0.63J	mg/L	1.0	04/04/20 19:14	
EPA 300.0 Rev 2.1 1993	Fluoride	0.064J	mg/L	0.30	04/04/20 19:14	
EPA 300.0 Rev 2.1 1993	Sulfate	14.5	mg/L	1.0	04/04/20 19:14	
<b>2630525004</b>	<b>FB-05</b>					
EPA 6020B	Chromium	0.00050J	mg/L	0.010	04/03/20 16:13	
<b>2630525005</b>	<b>GWA-4</b>					
	Field pH	6.74	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	87.4	mg/L	1.0	04/03/20 22:05	
EPA 6020B	Arsenic	0.00044J	mg/L	0.0050	04/03/20 16:19	
EPA 6020B	Barium	0.049	mg/L	0.010	04/03/20 16:19	
EPA 6020B	Boron	0.086J	mg/L	0.10	04/03/20 16:19	
EPA 6020B	Chromium	0.0013J	mg/L	0.010	04/03/20 16:19	
EPA 6020B	Cobalt	0.00082J	mg/L	0.0050	04/03/20 16:19	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>2630525005</b>	<b>GWA-4</b>					
EPA 6020B	Nickel	0.00096J	mg/L	0.0050	04/03/20 16:19	
SM 2540C	Total Dissolved Solids	466	mg/L	10.0	04/02/20 17:54	
EPA 300.0 Rev 2.1 1993	Chloride	5.4	mg/L	1.0	04/04/20 19:43	
EPA 300.0 Rev 2.1 1993	Fluoride	0.089J	mg/L	0.30	04/04/20 19:43	
EPA 300.0 Rev 2.1 1993	Sulfate	128	mg/L	3.0	04/05/20 08:21	
<b>2630525006</b>	<b>GWA-3</b>					
	Field pH	6.87	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	78.7	mg/L	1.0	04/03/20 22:08	
EPA 6020B	Arsenic	0.00048J	mg/L	0.0050	04/03/20 16:25	
EPA 6020B	Barium	0.14	mg/L	0.010	04/03/20 16:25	
EPA 6020B	Boron	0.14	mg/L	0.10	04/03/20 16:25	
EPA 6020B	Chromium	0.00062J	mg/L	0.010	04/03/20 16:25	
EPA 6020B	Copper	0.00022J	mg/L	0.0050	04/03/20 16:25	
EPA 6020B	Lead	0.000047J	mg/L	0.0050	04/03/20 16:25	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	04/03/20 16:25	
SM 2540C	Total Dissolved Solids	450	mg/L	10.0	04/02/20 17:54	
EPA 300.0 Rev 2.1 1993	Chloride	2.6	mg/L	1.0	04/04/20 19:58	
EPA 300.0 Rev 2.1 1993	Fluoride	0.090J	mg/L	0.30	04/04/20 19:58	
EPA 300.0 Rev 2.1 1993	Sulfate	95.8	mg/L	2.0	04/05/20 08:38	
<b>2630525007</b>	<b>GWA-11</b>					
	Field pH	6.83	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	22.4	mg/L	1.0	04/03/20 22:12	
EPA 6020B	Barium	0.031	mg/L	0.010	04/03/20 16:30	
EPA 6020B	Boron	0.041J	mg/L	0.10	04/03/20 16:30	
EPA 6020B	Cobalt	0.00063J	mg/L	0.0050	04/03/20 16:30	
EPA 6020B	Nickel	0.0020J	mg/L	0.0050	04/03/20 16:30	
SM 2540C	Total Dissolved Solids	76.0	mg/L	10.0	04/02/20 17:54	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	04/04/20 20:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.30	04/04/20 20:12	
EPA 300.0 Rev 2.1 1993	Sulfate	10.8	mg/L	1.0	04/04/20 20:12	
<b>2630525008</b>	<b>GWC-9</b>					
	Field pH	7.11	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	34.3	mg/L	1.0	04/03/20 22:15	
EPA 6020B	Barium	0.060	mg/L	0.010	04/03/20 16:36	
EPA 6020B	Boron	0.018J	mg/L	0.10	04/03/20 16:36	
EPA 6020B	Cobalt	0.00063J	mg/L	0.0050	04/03/20 16:36	
EPA 6020B	Nickel	0.0022J	mg/L	0.0050	04/03/20 16:36	
SM 2540C	Total Dissolved Solids	192	mg/L	10.0	04/02/20 17:54	
EPA 300.0 Rev 2.1 1993	Chloride	0.74J	mg/L	1.0	04/03/20 06:48	
EPA 300.0 Rev 2.1 1993	Fluoride	0.078J	mg/L	0.30	04/03/20 06:48	
EPA 300.0 Rev 2.1 1993	Sulfate	54.0	mg/L	1.0	04/03/20 06:48	
<b>2630525009</b>	<b>GWC-8</b>					
	Field pH	7.01	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	87.3	mg/L	1.0	04/03/20 22:19	
EPA 6020B	Arsenic	0.0020J	mg/L	0.0050	04/03/20 16:42	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>2630525009</b>	<b>GWC-8</b>					
EPA 6020B	Barium	0.14	mg/L	0.010	04/03/20 16:42	
EPA 6020B	Boron	0.056J	mg/L	0.10	04/03/20 16:42	
EPA 6020B	Cobalt	0.0016J	mg/L	0.0050	04/03/20 16:42	
EPA 6020B	Nickel	0.00053J	mg/L	0.0050	04/03/20 16:42	
SM 2540C	Total Dissolved Solids	329	mg/L	10.0	04/02/20 17:55	
EPA 300.0 Rev 2.1 1993	Chloride	2.5	mg/L	1.0	04/03/20 07:03	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12J	mg/L	0.30	04/03/20 07:03	
EPA 300.0 Rev 2.1 1993	Sulfate	31.5	mg/L	1.0	04/03/20 07:03	
<b>2630525010</b>	<b>GWC-10</b>					
	Field pH	6.82	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	22.9	mg/L	1.0	04/03/20 22:22	
EPA 6020B	Barium	0.037	mg/L	0.010	04/03/20 16:48	
EPA 6020B	Boron	0.040J	mg/L	0.10	04/03/20 16:48	
EPA 6020B	Cobalt	0.00082J	mg/L	0.0050	04/03/20 16:48	
EPA 6020B	Copper	0.00022J	mg/L	0.0050	04/03/20 16:48	
EPA 6020B	Lead	0.000054J	mg/L	0.0050	04/03/20 16:48	
EPA 6020B	Nickel	0.0023J	mg/L	0.0050	04/03/20 16:48	
SM 2540C	Total Dissolved Solids	118	mg/L	10.0	04/02/20 17:55	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	04/02/20 17:16	
EPA 300.0 Rev 2.1 1993	Sulfate	10.8	mg/L	1.0	04/02/20 17:16	
<b>2630525011</b>	<b>FD-05</b>					
EPA 6010D	Calcium	22.9	mg/L	1.0	04/03/20 22:33	
EPA 6020B	Barium	0.032	mg/L	0.010	04/03/20 16:53	
EPA 6020B	Boron	0.039J	mg/L	0.10	04/03/20 16:53	
EPA 6020B	Chromium	0.00056J	mg/L	0.010	04/03/20 16:53	
EPA 6020B	Cobalt	0.00062J	mg/L	0.0050	04/03/20 16:53	
EPA 6020B	Nickel	0.0021J	mg/L	0.0050	04/03/20 16:53	
SM 2540C	Total Dissolved Solids	112	mg/L	10.0	04/02/20 17:55	
EPA 300.0 Rev 2.1 1993	Chloride	1.2	mg/L	1.0	04/02/20 18:00	
EPA 300.0 Rev 2.1 1993	Fluoride	0.057J	mg/L	0.30	04/02/20 18:00	
EPA 300.0 Rev 2.1 1993	Sulfate	11.0	mg/L	1.0	04/02/20 18:00	
<b>2630525012</b>	<b>GWC-7</b>					
	Field pH	6.48	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	47.8	mg/L	1.0	04/03/20 20:40	
EPA 6010D	Zinc	0.051	mg/L	0.020	04/03/20 20:40	
EPA 6020B	Arsenic	0.0052	mg/L	0.0050	04/02/20 16:27	B
EPA 6020B	Barium	0.21	mg/L	0.010	04/02/20 16:27	
EPA 6020B	Boron	0.049J	mg/L	0.10	04/02/20 16:27	
EPA 6020B	Chromium	0.00041J	mg/L	0.010	04/02/20 16:27	
EPA 6020B	Cobalt	0.012	mg/L	0.0050	04/02/20 16:27	
EPA 6020B	Lead	0.000048J	mg/L	0.0050	04/02/20 16:27	
EPA 6020B	Nickel	0.037	mg/L	0.0050	04/02/20 16:27	
SM 2540C	Total Dissolved Solids	216	mg/L	10.0	04/06/20 18:47	
EPA 300.0 Rev 2.1 1993	Chloride	9.2	mg/L	1.0	04/04/20 22:59	
EPA 300.0 Rev 2.1 1993	Fluoride	0.16J	mg/L	0.30	04/04/20 22:59	
EPA 300.0 Rev 2.1 1993	Sulfate	64.6	mg/L	1.0	04/04/20 22:59	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>2630525013</b>	<b>EB-01</b>					
EPA 6020B	Arsenic	0.00036J	mg/L	0.0050	04/02/20 16:32	B
EPA 6020B	Boron	0.0092J	mg/L	0.10	04/02/20 16:32	
<b>2630525014</b>	<b>GWC-18</b>					
	Field pH	7.65	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	45.7	mg/L	1.0	04/03/20 20:47	
EPA 6020B	Arsenic	0.00073J	mg/L	0.0050	04/02/20 16:38	B
EPA 6020B	Barium	0.077	mg/L	0.010	04/02/20 16:38	
EPA 6020B	Boron	0.13	mg/L	0.10	04/02/20 16:38	
EPA 6020B	Chromium	0.00071J	mg/L	0.010	04/02/20 16:38	
EPA 6020B	Nickel	0.00048J	mg/L	0.0050	04/02/20 16:38	
SM 2540C	Total Dissolved Solids	217	mg/L	10.0	04/06/20 18:47	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	04/04/20 23:29	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10J	mg/L	0.30	04/04/20 23:29	
EPA 300.0 Rev 2.1 1993	Sulfate	9.7	mg/L	1.0	04/04/20 23:29	
<b>2630525015</b>	<b>GWC-6</b>					
	Field pH	7.17	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	70.6	mg/L	1.0	04/02/20 19:22	
EPA 6020B	Barium	0.18	mg/L	0.010	04/08/20 18:28	
EPA 6020B	Boron	0.091J	mg/L	0.10	04/08/20 18:28	
EPA 6020B	Chromium	0.00085J	mg/L	0.010	04/08/20 18:28	
SM 2540C	Total Dissolved Solids	349	mg/L	10.0	04/07/20 12:18	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	04/07/20 17:02	
EPA 300.0 Rev 2.1 1993	Fluoride	0.053J	mg/L	0.30	04/07/20 17:02	
EPA 300.0 Rev 2.1 1993	Sulfate	106	mg/L	2.0	04/08/20 07:03	
<b>2630525016</b>	<b>GWC-5</b>					
	Field pH	6.82	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	84.2	mg/L	1.0	04/02/20 19:25	
EPA 6020B	Barium	0.064	mg/L	0.010	04/08/20 18:34	
EPA 6020B	Boron	0.057J	mg/L	0.10	04/08/20 18:34	
EPA 6020B	Copper	0.00019J	mg/L	0.0050	04/08/20 18:34	
EPA 6020B	Nickel	0.0013J	mg/L	0.0050	04/08/20 18:34	
SM 2540C	Total Dissolved Solids	408	mg/L	10.0	04/07/20 12:19	
EPA 300.0 Rev 2.1 1993	Chloride	2.0	mg/L	1.0	04/07/20 17:16	
EPA 300.0 Rev 2.1 1993	Sulfate	92.6	mg/L	2.0	04/08/20 07:18	
<b>2630525017</b>	<b>GWC-19</b>					
	Field pH	7.62	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	52.3	mg/L	1.0	04/02/20 19:29	
EPA 6020B	Barium	0.17	mg/L	0.010	04/09/20 10:57	
EPA 6020B	Boron	0.18	mg/L	0.10	04/09/20 10:57	
EPA 6020B	Chromium	0.00042J	mg/L	0.010	04/09/20 10:57	
EPA 6020B	Lead	0.000061J	mg/L	0.0050	04/09/20 10:57	
SM 2540C	Total Dissolved Solids	233	mg/L	10.0	04/07/20 12:19	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	04/07/20 18:12	
EPA 300.0 Rev 2.1 1993	Fluoride	0.099J	mg/L	0.30	04/07/20 18:12	
EPA 300.0 Rev 2.1 1993	Sulfate	17.8	mg/L	1.0	04/07/20 18:12	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>2630525018</b>	<b>GWC-20</b>					
	Field pH	7.57	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	63.6	mg/L	1.0	04/02/20 19:32	
EPA 6020B	Barium	0.15	mg/L	0.010	04/08/20 18:45	
EPA 6020B	Boron	0.024J	mg/L	0.10	04/08/20 18:45	
SM 2540C	Total Dissolved Solids	267	mg/L	10.0	04/07/20 12:19	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	04/07/20 18:26	
EPA 300.0 Rev 2.1 1993	Fluoride	0.054J	mg/L	0.30	04/07/20 18:26	
EPA 300.0 Rev 2.1 1993	Sulfate	53.6	mg/L	1.0	04/07/20 18:26	
<b>2630525019</b>	<b>GWC-21</b>					
	Field pH	6.33	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	25.6	mg/L	1.0	04/02/20 19:36	
EPA 6020B	Arsenic	0.00035J	mg/L	0.0050	04/08/20 18:51	B
EPA 6020B	Barium	0.044	mg/L	0.010	04/08/20 18:51	
EPA 6020B	Boron	0.022J	mg/L	0.10	04/08/20 18:51	
EPA 6020B	Chromium	0.00093J	mg/L	0.010	04/08/20 18:51	
EPA 6020B	Cobalt	0.0019J	mg/L	0.0050	04/08/20 18:51	
EPA 6020B	Copper	0.00082J	mg/L	0.0050	04/08/20 18:51	
EPA 6020B	Nickel	0.0039J	mg/L	0.0050	04/08/20 18:51	
SM 2540C	Total Dissolved Solids	111	mg/L	10.0	04/07/20 12:19	
EPA 300.0 Rev 2.1 1993	Chloride	1.5	mg/L	1.0	04/07/20 18:40	
EPA 300.0 Rev 2.1 1993	Sulfate	29.9	mg/L	1.0	04/07/20 18:40	
<b>2630525020</b>	<b>GWC-22</b>					
	Field pH	7.80	Std. Units		04/07/20 14:39	
EPA 6010D	Calcium	51.5	mg/L	1.0	04/02/20 19:39	
EPA 6020B	Barium	0.10	mg/L	0.010	04/08/20 18:57	
EPA 6020B	Boron	0.067J	mg/L	0.10	04/08/20 18:57	
EPA 6020B	Chromium	0.0015J	mg/L	0.010	04/08/20 18:57	
EPA 6020B	Copper	0.00020J	mg/L	0.0050	04/08/20 18:57	
EPA 6020B	Lead	0.00013J	mg/L	0.0050	04/08/20 18:57	
SM 2540C	Total Dissolved Solids	195	mg/L	10.0	04/07/20 12:19	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	04/07/20 18:54	
EPA 300.0 Rev 2.1 1993	Fluoride	0.055J	mg/L	0.30	04/07/20 18:54	
EPA 300.0 Rev 2.1 1993	Sulfate	10.9	mg/L	1.0	04/07/20 18:54	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: GWA-2		Lab ID: 2630525001		Collected: 03/26/20 10:41		Received: 03/27/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.07	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Atlanta, GA									
Calcium	43.2	mg/L	1.0	0.14	1	04/01/20 19:37	04/03/20 21:51	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 19:37	04/03/20 21:51	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Atlanta, GA									
Antimony	0.00049J	mg/L	0.0030	0.00027	1	04/01/20 18:37	04/03/20 15:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/01/20 18:37	04/03/20 15:45	7440-38-2	
Barium	0.16	mg/L	0.010	0.00049	1	04/01/20 18:37	04/03/20 15:45	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:37	04/03/20 15:45	7440-41-7	
Boron	0.092J	mg/L	0.10	0.0049	1	04/01/20 18:37	04/03/20 15:45	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:37	04/03/20 15:45	7440-43-9	
Chromium	0.00043J	mg/L	0.010	0.00039	1	04/01/20 18:37	04/03/20 15:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	04/01/20 18:37	04/03/20 15:45	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/01/20 18:37	04/03/20 15:45	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/01/20 18:37	04/03/20 15:45	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00031	1	04/01/20 18:37	04/03/20 15:45	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:37	04/03/20 15:45	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:37	04/03/20 15:45	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:37	04/03/20 15:45	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:37	04/03/20 15:45	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	222	mg/L	10.0	10.0	1		04/02/20 15:00		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.0	mg/L	1.0	0.60	1		04/03/20 07:19	16887-00-6	
Fluoride	0.12J	mg/L	0.30	0.050	1		04/03/20 07:19	16984-48-8	
Sulfate	15.6	mg/L	1.0	0.50	1		04/03/20 07:19	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: GWA-1		Lab ID: 2630525002		Collected: 03/26/20 13:07		Received: 03/27/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.02	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	14.0	mg/L	1.0	0.14	1	04/01/20 19:37	04/03/20 21:54	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 19:37	04/03/20 21:54	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	0.00028J	mg/L	0.0030	0.00027	1	04/01/20 18:37	04/03/20 15:50	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/01/20 18:37	04/03/20 15:50	7440-38-2	
Barium	0.032	mg/L	0.010	0.00049	1	04/01/20 18:37	04/03/20 15:50	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:37	04/03/20 15:50	7440-41-7	
Boron	0.022J	mg/L	0.10	0.0049	1	04/01/20 18:37	04/03/20 15:50	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:37	04/03/20 15:50	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	04/01/20 18:37	04/03/20 15:50	7440-47-3	
Cobalt	0.00049J	mg/L	0.0050	0.00030	1	04/01/20 18:37	04/03/20 15:50	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/01/20 18:37	04/03/20 15:50	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/01/20 18:37	04/03/20 15:50	7439-92-1	
Nickel	0.00065J	mg/L	0.0050	0.00031	1	04/01/20 18:37	04/03/20 15:50	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:37	04/03/20 15:50	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:37	04/03/20 15:50	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:37	04/03/20 15:50	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:37	04/03/20 15:50	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	73.0	mg/L	10.0	10.0	1		04/02/20 15:00		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		04/04/20 18:16	16887-00-6	
Fluoride	0.082J	mg/L	0.30	0.050	1		04/04/20 18:16	16984-48-8	
Sulfate	5.0	mg/L	1.0	0.50	1		04/04/20 18:16	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: GWC-23		Lab ID: 2630525003		Collected: 03/26/20 16:34		Received: 03/27/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	6.88	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	44.7	mg/L	1.0	0.14	1	04/01/20 19:37	04/03/20 21:58	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 19:37	04/03/20 21:58	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/29/20 17:07	04/30/20 18:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/29/20 17:07	04/30/20 18:30	7440-38-2	
Barium	0.071	mg/L	0.010	0.00049	1	04/29/20 17:07	04/30/20 18:30	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/29/20 17:07	04/30/20 18:30	7440-41-7	
Boron	0.042J	mg/L	0.10	0.0049	1	04/29/20 17:07	04/30/20 18:30	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/29/20 17:07	04/30/20 18:30	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	04/29/20 17:07	04/30/20 18:30	7440-47-3	
Cobalt	0.00035J	mg/L	0.0050	0.00030	1	04/29/20 17:07	04/30/20 18:30	7440-48-4	
Copper	0.00067J	mg/L	0.0050	0.00019	1	04/29/20 17:07	04/30/20 18:30	7440-50-8	
Lead	0.00016J	mg/L	0.0050	0.000046	1	04/29/20 17:07	04/30/20 18:30	7439-92-1	
Nickel	0.0010J	mg/L	0.0050	0.00031	1	04/29/20 17:07	04/30/20 18:30	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/29/20 17:07	04/30/20 18:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/29/20 17:07	04/30/20 18:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/29/20 17:07	04/30/20 18:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/29/20 17:07	04/30/20 18:30	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	193	mg/L	10.0	10.0	1		04/02/20 17:54		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	0.63J	mg/L	1.0	0.60	1		04/04/20 19:14	16887-00-6	
Fluoride	0.064J	mg/L	0.30	0.050	1		04/04/20 19:14	16984-48-8	
Sulfate	14.5	mg/L	1.0	0.50	1		04/04/20 19:14	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: <b>FB-05</b>		Lab ID: <b>2630525004</b>		Collected: 03/26/20 17:55		Received: 03/27/20 13:00		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6010D MET ICP</b>		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA								
Calcium	ND	mg/L	1.0	0.14	1	04/01/20 19:37	04/03/20 22:01	7440-70-2		
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 19:37	04/03/20 22:01	7440-66-6		
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA								
Antimony	ND	mg/L	0.0030	0.00027	1	04/01/20 18:37	04/03/20 16:13	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00035	1	04/01/20 18:37	04/03/20 16:13	7440-38-2		
Barium	ND	mg/L	0.010	0.00049	1	04/01/20 18:37	04/03/20 16:13	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:37	04/03/20 16:13	7440-41-7		
Boron	ND	mg/L	0.10	0.0049	1	04/01/20 18:37	04/03/20 16:13	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:37	04/03/20 16:13	7440-43-9		
Chromium	<b>0.00050J</b>	mg/L	0.010	0.00039	1	04/01/20 18:37	04/03/20 16:13	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00030	1	04/01/20 18:37	04/03/20 16:13	7440-48-4		
Copper	ND	mg/L	0.0050	0.00019	1	04/01/20 18:37	04/03/20 16:13	7440-50-8		
Lead	ND	mg/L	0.0050	0.000046	1	04/01/20 18:37	04/03/20 16:13	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00031	1	04/01/20 18:37	04/03/20 16:13	7440-02-0		
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:37	04/03/20 16:13	7782-49-2		
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:37	04/03/20 16:13	7440-22-4		
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:37	04/03/20 16:13	7440-28-0		
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:37	04/03/20 16:13	7440-62-2		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		04/02/20 17:54			
<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		04/04/20 19:29	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		04/04/20 19:29	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		04/04/20 19:29	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: GWA-4		Lab ID: 2630525005		Collected: 03/26/20 11:13		Received: 03/27/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	6.74	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Atlanta, GA									
Calcium	87.4	mg/L	1.0	0.14	1	04/01/20 19:37	04/03/20 22:05	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 19:37	04/03/20 22:05	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/01/20 18:37	04/03/20 16:19	7440-36-0	
Arsenic	0.00044J	mg/L	0.0050	0.00035	1	04/01/20 18:37	04/03/20 16:19	7440-38-2	
Barium	0.049	mg/L	0.010	0.00049	1	04/01/20 18:37	04/03/20 16:19	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:37	04/03/20 16:19	7440-41-7	
Boron	0.086J	mg/L	0.10	0.0049	1	04/01/20 18:37	04/03/20 16:19	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:37	04/03/20 16:19	7440-43-9	
Chromium	0.0013J	mg/L	0.010	0.00039	1	04/01/20 18:37	04/03/20 16:19	7440-47-3	
Cobalt	0.00082J	mg/L	0.0050	0.00030	1	04/01/20 18:37	04/03/20 16:19	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/01/20 18:37	04/03/20 16:19	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/01/20 18:37	04/03/20 16:19	7439-92-1	
Nickel	0.00096J	mg/L	0.0050	0.00031	1	04/01/20 18:37	04/03/20 16:19	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:37	04/03/20 16:19	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:37	04/03/20 16:19	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:37	04/03/20 16:19	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:37	04/03/20 16:19	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	466	mg/L	10.0	10.0	1		04/02/20 17:54		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	5.4	mg/L	1.0	0.60	1		04/04/20 19:43	16887-00-6	
Fluoride	0.089J	mg/L	0.30	0.050	1		04/04/20 19:43	16984-48-8	
Sulfate	128	mg/L	3.0	1.5	3		04/05/20 08:21	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: GWA-3		Lab ID: 2630525006		Collected: 03/26/20 12:21		Received: 03/27/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	6.87	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	78.7	mg/L	1.0	0.14	1	04/01/20 19:37	04/03/20 22:08	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 19:37	04/03/20 22:08	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/01/20 18:37	04/03/20 16:25	7440-36-0	
Arsenic	0.00048J	mg/L	0.0050	0.00035	1	04/01/20 18:37	04/03/20 16:25	7440-38-2	
Barium	0.14	mg/L	0.010	0.00049	1	04/01/20 18:37	04/03/20 16:25	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:37	04/03/20 16:25	7440-41-7	
Boron	0.14	mg/L	0.10	0.0049	1	04/01/20 18:37	04/03/20 16:25	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:37	04/03/20 16:25	7440-43-9	
Chromium	0.00062J	mg/L	0.010	0.00039	1	04/01/20 18:37	04/03/20 16:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	04/01/20 18:37	04/03/20 16:25	7440-48-4	
Copper	0.00022J	mg/L	0.0050	0.00019	1	04/01/20 18:37	04/03/20 16:25	7440-50-8	
Lead	0.000047J	mg/L	0.0050	0.000046	1	04/01/20 18:37	04/03/20 16:25	7439-92-1	
Nickel	0.0011J	mg/L	0.0050	0.00031	1	04/01/20 18:37	04/03/20 16:25	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:37	04/03/20 16:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:37	04/03/20 16:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:37	04/03/20 16:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:37	04/03/20 16:25	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	450	mg/L	10.0	10.0	1		04/02/20 17:54		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	2.6	mg/L	1.0	0.60	1		04/04/20 19:58	16887-00-6	
Fluoride	0.090J	mg/L	0.30	0.050	1		04/04/20 19:58	16984-48-8	
Sulfate	95.8	mg/L	2.0	1.0	2		04/05/20 08:38	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: GWA-11		Lab ID: 2630525007		Collected: 03/26/20 15:45		Received: 03/27/20 13:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	6.83	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Atlanta, GA									
Calcium	22.4	mg/L	1.0	0.14	1	04/01/20 19:37	04/03/20 22:12	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 19:37	04/03/20 22:12	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/01/20 18:37	04/03/20 16:30	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/01/20 18:37	04/03/20 16:30	7440-38-2	
Barium	0.031	mg/L	0.010	0.00049	1	04/01/20 18:37	04/03/20 16:30	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:37	04/03/20 16:30	7440-41-7	
Boron	0.041J	mg/L	0.10	0.0049	1	04/01/20 18:37	04/03/20 16:30	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:37	04/03/20 16:30	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	04/01/20 18:37	04/03/20 16:30	7440-47-3	
Cobalt	0.00063J	mg/L	0.0050	0.00030	1	04/01/20 18:37	04/03/20 16:30	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/01/20 18:37	04/03/20 16:30	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/01/20 18:37	04/03/20 16:30	7439-92-1	
Nickel	0.0020J	mg/L	0.0050	0.00031	1	04/01/20 18:37	04/03/20 16:30	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:37	04/03/20 16:30	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:37	04/03/20 16:30	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:37	04/03/20 16:30	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:37	04/03/20 16:30	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	76.0	mg/L	10.0	10.0	1		04/02/20 17:54		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.4	mg/L	1.0	0.60	1		04/04/20 20:12	16887-00-6	
Fluoride	0.057J	mg/L	0.30	0.050	1		04/04/20 20:12	16984-48-8	
Sulfate	10.8	mg/L	1.0	0.50	1		04/04/20 20:12	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: GWC-9		Lab ID: 2630525008		Collected: 03/27/20 09:40		Received: 03/30/20 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	7.11	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Atlanta, GA									
Calcium	34.3	mg/L	1.0	0.14	1	04/01/20 19:37	04/03/20 22:15	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 19:37	04/03/20 22:15	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/01/20 18:37	04/03/20 16:36	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/01/20 18:37	04/03/20 16:36	7440-38-2	
Barium	0.060	mg/L	0.010	0.00049	1	04/01/20 18:37	04/03/20 16:36	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:37	04/03/20 16:36	7440-41-7	
Boron	0.018J	mg/L	0.10	0.0049	1	04/01/20 18:37	04/03/20 16:36	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:37	04/03/20 16:36	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	04/01/20 18:37	04/03/20 16:36	7440-47-3	
Cobalt	0.00063J	mg/L	0.0050	0.00030	1	04/01/20 18:37	04/03/20 16:36	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/01/20 18:37	04/03/20 16:36	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/01/20 18:37	04/03/20 16:36	7439-92-1	
Nickel	0.0022J	mg/L	0.0050	0.00031	1	04/01/20 18:37	04/03/20 16:36	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:37	04/03/20 16:36	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:37	04/03/20 16:36	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:37	04/03/20 16:36	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:37	04/03/20 16:36	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	192	mg/L	10.0	10.0	1		04/02/20 17:54		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	0.74J	mg/L	1.0	0.60	1		04/03/20 06:48	16887-00-6	
Fluoride	0.078J	mg/L	0.30	0.050	1		04/03/20 06:48	16984-48-8	
Sulfate	54.0	mg/L	1.0	0.50	1		04/03/20 06:48	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: <b>GWC-8</b>		Lab ID: <b>2630525009</b>		Collected: 03/27/20 12:49		Received: 03/30/20 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	<b>7.01</b>	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Atlanta, GA									
Calcium	<b>87.3</b>	mg/L	1.0	0.14	1	04/01/20 19:37	04/03/20 22:19	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 19:37	04/03/20 22:19	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/01/20 18:37	04/03/20 16:42	7440-36-0	
Arsenic	<b>0.0020J</b>	mg/L	0.0050	0.00035	1	04/01/20 18:37	04/03/20 16:42	7440-38-2	
Barium	<b>0.14</b>	mg/L	0.010	0.00049	1	04/01/20 18:37	04/03/20 16:42	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:37	04/03/20 16:42	7440-41-7	
Boron	<b>0.056J</b>	mg/L	0.10	0.0049	1	04/01/20 18:37	04/03/20 16:42	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:37	04/03/20 16:42	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	04/01/20 18:37	04/03/20 16:42	7440-47-3	
Cobalt	<b>0.0016J</b>	mg/L	0.0050	0.00030	1	04/01/20 18:37	04/03/20 16:42	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/01/20 18:37	04/03/20 16:42	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/01/20 18:37	04/03/20 16:42	7439-92-1	
Nickel	<b>0.00053J</b>	mg/L	0.0050	0.00031	1	04/01/20 18:37	04/03/20 16:42	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:37	04/03/20 16:42	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:37	04/03/20 16:42	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:37	04/03/20 16:42	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:37	04/03/20 16:42	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	<b>329</b>	mg/L	10.0	10.0	1		04/02/20 17:55		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	<b>2.5</b>	mg/L	1.0	0.60	1		04/03/20 07:03	16887-00-6	
Fluoride	<b>0.12J</b>	mg/L	0.30	0.050	1		04/03/20 07:03	16984-48-8	
Sulfate	<b>31.5</b>	mg/L	1.0	0.50	1		04/03/20 07:03	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: <b>GWC-10</b>		Lab ID: <b>2630525010</b>		Collected: 03/27/20 13:03		Received: 03/30/20 10:20		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	<b>6.82</b>	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Atlanta, GA									
Calcium	<b>22.9</b>	mg/L	1.0	0.14	1	04/01/20 19:37	04/03/20 22:22	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 19:37	04/03/20 22:22	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/01/20 18:37	04/03/20 16:48	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/01/20 18:37	04/03/20 16:48	7440-38-2	
Barium	<b>0.037</b>	mg/L	0.010	0.00049	1	04/01/20 18:37	04/03/20 16:48	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:37	04/03/20 16:48	7440-41-7	
Boron	<b>0.040J</b>	mg/L	0.10	0.0049	1	04/01/20 18:37	04/03/20 16:48	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:37	04/03/20 16:48	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	04/01/20 18:37	04/03/20 16:48	7440-47-3	
Cobalt	<b>0.00082J</b>	mg/L	0.0050	0.00030	1	04/01/20 18:37	04/03/20 16:48	7440-48-4	
Copper	<b>0.00022J</b>	mg/L	0.0050	0.00019	1	04/01/20 18:37	04/03/20 16:48	7440-50-8	
Lead	<b>0.000054J</b>	mg/L	0.0050	0.000046	1	04/01/20 18:37	04/03/20 16:48	7439-92-1	
Nickel	<b>0.0023J</b>	mg/L	0.0050	0.00031	1	04/01/20 18:37	04/03/20 16:48	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:37	04/03/20 16:48	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:37	04/03/20 16:48	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:37	04/03/20 16:48	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:37	04/03/20 16:48	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	<b>118</b>	mg/L	10.0	10.0	1		04/02/20 17:55		
<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		04/02/20 17:16	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		04/02/20 17:16	16984-48-8	
Sulfate	<b>10.8</b>	mg/L	1.0	0.50	1		04/02/20 17:16	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: <b>FD-05</b>		Lab ID: <b>2630525011</b>		Collected: 03/27/20 00:00	Received: 03/30/20 10:20	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>6010D MET ICP</b>		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA							
Calcium	<b>22.9</b>	mg/L	1.0	0.14	1	04/01/20 19:37	04/03/20 22:33	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 19:37	04/03/20 22:33	7440-66-6	
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA							
Antimony	ND	mg/L	0.0030	0.00027	1	04/01/20 18:37	04/03/20 16:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/01/20 18:37	04/03/20 16:53	7440-38-2	
Barium	<b>0.032</b>	mg/L	0.010	0.00049	1	04/01/20 18:37	04/03/20 16:53	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:37	04/03/20 16:53	7440-41-7	
Boron	<b>0.039J</b>	mg/L	0.10	0.0049	1	04/01/20 18:37	04/03/20 16:53	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:37	04/03/20 16:53	7440-43-9	
Chromium	<b>0.00056J</b>	mg/L	0.010	0.00039	1	04/01/20 18:37	04/03/20 16:53	7440-47-3	
Cobalt	<b>0.00062J</b>	mg/L	0.0050	0.00030	1	04/01/20 18:37	04/03/20 16:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/01/20 18:37	04/03/20 16:53	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/01/20 18:37	04/03/20 16:53	7439-92-1	
Nickel	<b>0.0021J</b>	mg/L	0.0050	0.00031	1	04/01/20 18:37	04/03/20 16:53	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:37	04/03/20 16:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:37	04/03/20 16:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:37	04/03/20 16:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:37	04/03/20 16:53	7440-62-2	
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA							
Total Dissolved Solids	<b>112</b>	mg/L	10.0	10.0	1		04/02/20 17:55		
<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		04/02/20 18:00	16887-00-6	
Fluoride	<b>0.057J</b>	mg/L	0.30	0.050	1		04/02/20 18:00	16984-48-8	
Sulfate	<b>11.0</b>	mg/L	1.0	0.50	1		04/02/20 18:00	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: GWC-7		Lab ID: 2630525012		Collected: 03/30/20 15:17		Received: 03/31/20 11:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	6.48	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	47.8	mg/L	1.0	0.14	1	04/01/20 18:00	04/03/20 20:40	7440-70-2	
Zinc	0.051	mg/L	0.020	0.018	1	04/01/20 18:00	04/03/20 20:40	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/01/20 18:00	04/02/20 16:27	7440-36-0	
Arsenic	0.0052	mg/L	0.0050	0.00035	1	04/01/20 18:00	04/02/20 16:27	7440-38-2	B
Barium	0.21	mg/L	0.010	0.00049	1	04/01/20 18:00	04/02/20 16:27	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:00	04/02/20 16:27	7440-41-7	
Boron	0.049J	mg/L	0.10	0.0049	1	04/01/20 18:00	04/02/20 16:27	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:00	04/02/20 16:27	7440-43-9	
Chromium	0.00041J	mg/L	0.010	0.00039	1	04/01/20 18:00	04/02/20 16:27	7440-47-3	
Cobalt	0.012	mg/L	0.0050	0.00030	1	04/01/20 18:00	04/02/20 16:27	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/01/20 18:00	04/02/20 16:27	7440-50-8	
Lead	0.000048J	mg/L	0.0050	0.000046	1	04/01/20 18:00	04/02/20 16:27	7439-92-1	
Nickel	0.037	mg/L	0.0050	0.00031	1	04/01/20 18:00	04/02/20 16:27	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:00	04/02/20 16:27	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:00	04/02/20 16:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:00	04/02/20 16:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:00	04/02/20 16:27	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	216	mg/L	10.0	10.0	1		04/06/20 18:47		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	9.2	mg/L	1.0	0.60	1		04/04/20 22:59	16887-00-6	
Fluoride	0.16J	mg/L	0.30	0.050	1		04/04/20 22:59	16984-48-8	
Sulfate	64.6	mg/L	1.0	0.50	1		04/04/20 22:59	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: EB-01		Lab ID: 2630525013		Collected: 03/30/20 17:15		Received: 03/31/20 11:35		Matrix: Water		
Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual	
			Limit	MDL	DF					
<b>6010D MET ICP</b>		Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA								
Calcium	ND	mg/L	1.0	0.14	1	04/01/20 18:00	04/03/20 20:43	7440-70-2		
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 18:00	04/03/20 20:43	7440-66-6		
<b>6020B MET ICPMS</b>		Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA								
Antimony	ND	mg/L	0.0030	0.00027	1	04/01/20 18:00	04/02/20 16:32	7440-36-0		
Arsenic	<b>0.00036J</b>	mg/L	0.0050	0.00035	1	04/01/20 18:00	04/02/20 16:32	7440-38-2	B	
Barium	ND	mg/L	0.010	0.00049	1	04/01/20 18:00	04/02/20 16:32	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:00	04/02/20 16:32	7440-41-7		
Boron	<b>0.0092J</b>	mg/L	0.10	0.0049	1	04/01/20 18:00	04/02/20 16:32	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:00	04/02/20 16:32	7440-43-9		
Chromium	ND	mg/L	0.010	0.00039	1	04/01/20 18:00	04/02/20 16:32	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00030	1	04/01/20 18:00	04/02/20 16:32	7440-48-4		
Copper	ND	mg/L	0.0050	0.00019	1	04/01/20 18:00	04/02/20 16:32	7440-50-8		
Lead	ND	mg/L	0.0050	0.000046	1	04/01/20 18:00	04/02/20 16:32	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00031	1	04/01/20 18:00	04/02/20 16:32	7440-02-0		
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:00	04/02/20 16:32	7782-49-2		
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:00	04/02/20 16:32	7440-22-4		
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:00	04/02/20 16:32	7440-28-0		
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:00	04/02/20 16:32	7440-62-2		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA								
Total Dissolved Solids	ND	mg/L	10.0	10.0	1		04/06/20 18:47			
<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		04/05/20 22:13	16887-00-6		
Fluoride	ND	mg/L	0.30	0.050	1		04/05/20 22:13	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		04/05/20 22:13	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: <b>GWC-18</b>		Lab ID: <b>2630525014</b>		Collected: 03/30/20 14:51		Received: 03/31/20 11:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	<b>7.65</b>	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Atlanta, GA									
Calcium	<b>45.7</b>	mg/L	1.0	0.14	1	04/01/20 18:00	04/03/20 20:47	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/01/20 18:00	04/03/20 20:47	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/01/20 18:00	04/02/20 16:38	7440-36-0	
Arsenic	<b>0.00073J</b>	mg/L	0.0050	0.00035	1	04/01/20 18:00	04/02/20 16:38	7440-38-2	B
Barium	<b>0.077</b>	mg/L	0.010	0.00049	1	04/01/20 18:00	04/02/20 16:38	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/01/20 18:00	04/02/20 16:38	7440-41-7	
Boron	<b>0.13</b>	mg/L	0.10	0.0049	1	04/01/20 18:00	04/02/20 16:38	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/01/20 18:00	04/02/20 16:38	7440-43-9	
Chromium	<b>0.00071J</b>	mg/L	0.010	0.00039	1	04/01/20 18:00	04/02/20 16:38	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	04/01/20 18:00	04/02/20 16:38	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/01/20 18:00	04/02/20 16:38	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/01/20 18:00	04/02/20 16:38	7439-92-1	
Nickel	<b>0.00048J</b>	mg/L	0.0050	0.00031	1	04/01/20 18:00	04/02/20 16:38	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/01/20 18:00	04/02/20 16:38	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/01/20 18:00	04/02/20 16:38	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/01/20 18:00	04/02/20 16:38	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/01/20 18:00	04/02/20 16:38	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	<b>217</b>	mg/L	10.0	10.0	1		04/06/20 18:47		
<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		04/04/20 23:29	16887-00-6	
Fluoride	<b>0.10J</b>	mg/L	0.30	0.050	1		04/04/20 23:29	16984-48-8	
Sulfate	<b>9.7</b>	mg/L	1.0	0.50	1		04/04/20 23:29	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: <b>GWC-6</b>	Lab ID: <b>2630525015</b>	Collected: 03/31/20 12:30		Received: 04/01/20 10:30		Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	<b>7.17</b>	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Atlanta, GA									
Calcium	<b>70.6</b>	mg/L	1.0	0.14	1	04/02/20 14:30	04/02/20 19:22	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/02/20 14:30	04/02/20 19:22	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/02/20 19:04	04/08/20 18:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/02/20 19:04	04/08/20 18:28	7440-38-2	
Barium	<b>0.18</b>	mg/L	0.010	0.00049	1	04/02/20 19:04	04/08/20 18:28	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/02/20 19:04	04/08/20 18:28	7440-41-7	
Boron	<b>0.091J</b>	mg/L	0.10	0.0049	1	04/02/20 19:04	04/08/20 18:28	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/02/20 19:04	04/08/20 18:28	7440-43-9	
Chromium	<b>0.00085J</b>	mg/L	0.010	0.00039	1	04/02/20 19:04	04/08/20 18:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	04/02/20 19:04	04/08/20 18:28	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/02/20 19:04	04/08/20 18:28	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/02/20 19:04	04/08/20 18:28	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00031	1	04/02/20 19:04	04/08/20 18:28	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/02/20 19:04	04/08/20 18:28	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/02/20 19:04	04/08/20 18:28	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/02/20 19:04	04/08/20 18:28	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/02/20 19:04	04/08/20 18:28	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C									
Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	<b>349</b>	mg/L	10.0	10.0	1		04/07/20 12:18		
<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		04/07/20 17:02	16887-00-6	
Fluoride	<b>0.053J</b>	mg/L	0.30	0.050	1		04/07/20 17:02	16984-48-8	
Sulfate	<b>106</b>	mg/L	2.0	1.0	2		04/08/20 07:03	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: <b>GWC-5</b>	Lab ID: <b>2630525016</b>	Collected: 03/31/20 13:50	Received: 04/01/20 10:30	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	<b>6.82</b>	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	<b>84.2</b>	mg/L	1.0	0.14	1	04/02/20 14:30	04/02/20 19:25	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/02/20 14:30	04/02/20 19:25	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/02/20 19:04	04/08/20 18:34	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/02/20 19:04	04/08/20 18:34	7440-38-2	
Barium	<b>0.064</b>	mg/L	0.010	0.00049	1	04/02/20 19:04	04/08/20 18:34	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/02/20 19:04	04/08/20 18:34	7440-41-7	
Boron	<b>0.057J</b>	mg/L	0.10	0.0049	1	04/02/20 19:04	04/08/20 18:34	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/02/20 19:04	04/08/20 18:34	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	04/02/20 19:04	04/08/20 18:34	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	04/02/20 19:04	04/08/20 18:34	7440-48-4	
Copper	<b>0.00019J</b>	mg/L	0.0050	0.00019	1	04/02/20 19:04	04/08/20 18:34	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/02/20 19:04	04/08/20 18:34	7439-92-1	
Nickel	<b>0.0013J</b>	mg/L	0.0050	0.00031	1	04/02/20 19:04	04/08/20 18:34	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/02/20 19:04	04/08/20 18:34	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/02/20 19:04	04/08/20 18:34	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/02/20 19:04	04/08/20 18:34	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/02/20 19:04	04/08/20 18:34	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	<b>408</b>	mg/L	10.0	10.0	1		04/07/20 12:19		
<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		04/07/20 17:16	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		04/07/20 17:16	16984-48-8	
Sulfate	<b>92.6</b>	mg/L	2.0	1.0	2		04/08/20 07:18	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: <b>GWC-19</b>	Lab ID: <b>2630525017</b>	Collected: 03/31/20 07:52	Received: 04/01/20 10:30	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	<b>7.62</b>	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	<b>52.3</b>	mg/L	1.0	0.14	1	04/02/20 14:30	04/02/20 19:29	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/02/20 14:30	04/02/20 19:29	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/02/20 19:04	04/09/20 10:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/02/20 19:04	04/09/20 10:57	7440-38-2	
Barium	<b>0.17</b>	mg/L	0.010	0.00049	1	04/02/20 19:04	04/09/20 10:57	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/02/20 19:04	04/09/20 10:57	7440-41-7	
Boron	<b>0.18</b>	mg/L	0.10	0.0049	1	04/02/20 19:04	04/09/20 10:57	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/02/20 19:04	04/09/20 10:57	7440-43-9	
Chromium	<b>0.00042J</b>	mg/L	0.010	0.00039	1	04/02/20 19:04	04/09/20 10:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	04/02/20 19:04	04/09/20 10:57	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/02/20 19:04	04/09/20 10:57	7440-50-8	
Lead	<b>0.000061J</b>	mg/L	0.0050	0.000046	1	04/02/20 19:04	04/09/20 10:57	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00031	1	04/02/20 19:04	04/09/20 10:57	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/02/20 19:04	04/09/20 10:57	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/02/20 19:04	04/09/20 10:57	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/02/20 19:04	04/09/20 10:57	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/02/20 19:04	04/09/20 10:57	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	<b>233</b>	mg/L	10.0	10.0	1		04/07/20 12:19		
<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		04/07/20 18:12	16887-00-6	
Fluoride	<b>0.099J</b>	mg/L	0.30	0.050	1		04/07/20 18:12	16984-48-8	
Sulfate	<b>17.8</b>	mg/L	1.0	0.50	1		04/07/20 18:12	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: <b>GWC-20</b>		Lab ID: <b>2630525018</b>		Collected: 03/31/20 10:48		Received: 04/01/20 10:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	<b>7.57</b>	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	<b>63.6</b>	mg/L	1.0	0.14	1	04/02/20 14:30	04/02/20 19:32	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/02/20 14:30	04/02/20 19:32	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/02/20 19:04	04/08/20 18:45	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/02/20 19:04	04/08/20 18:45	7440-38-2	
Barium	<b>0.15</b>	mg/L	0.010	0.00049	1	04/02/20 19:04	04/08/20 18:45	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/02/20 19:04	04/08/20 18:45	7440-41-7	
Boron	<b>0.024J</b>	mg/L	0.10	0.0049	1	04/02/20 19:04	04/08/20 18:45	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/02/20 19:04	04/08/20 18:45	7440-43-9	
Chromium	ND	mg/L	0.010	0.00039	1	04/02/20 19:04	04/08/20 18:45	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	04/02/20 19:04	04/08/20 18:45	7440-48-4	
Copper	ND	mg/L	0.0050	0.00019	1	04/02/20 19:04	04/08/20 18:45	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/02/20 19:04	04/08/20 18:45	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00031	1	04/02/20 19:04	04/08/20 18:45	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/02/20 19:04	04/08/20 18:45	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/02/20 19:04	04/08/20 18:45	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/02/20 19:04	04/08/20 18:45	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/02/20 19:04	04/08/20 18:45	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	<b>267</b>	mg/L	10.0	10.0	1		04/07/20 12:19		
<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		04/07/20 18:26	16887-00-6	
Fluoride	<b>0.054J</b>	mg/L	0.30	0.050	1		04/07/20 18:26	16984-48-8	
Sulfate	<b>53.6</b>	mg/L	1.0	0.50	1		04/07/20 18:26	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: GWC-21		Lab ID: 2630525019		Collected: 03/31/20 15:18		Received: 04/01/20 10:30		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	6.33	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	25.6	mg/L	1.0	0.14	1	04/02/20 14:30	04/02/20 19:36	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/02/20 14:30	04/02/20 19:36	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/02/20 19:04	04/08/20 18:51	7440-36-0	
Arsenic	0.00035J	mg/L	0.0050	0.00035	1	04/02/20 19:04	04/08/20 18:51	7440-38-2	B
Barium	0.044	mg/L	0.010	0.00049	1	04/02/20 19:04	04/08/20 18:51	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/02/20 19:04	04/08/20 18:51	7440-41-7	
Boron	0.022J	mg/L	0.10	0.0049	1	04/02/20 19:04	04/08/20 18:51	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/02/20 19:04	04/08/20 18:51	7440-43-9	
Chromium	0.00093J	mg/L	0.010	0.00039	1	04/02/20 19:04	04/08/20 18:51	7440-47-3	
Cobalt	0.0019J	mg/L	0.0050	0.00030	1	04/02/20 19:04	04/08/20 18:51	7440-48-4	
Copper	0.00082J	mg/L	0.0050	0.00019	1	04/02/20 19:04	04/08/20 18:51	7440-50-8	
Lead	ND	mg/L	0.0050	0.000046	1	04/02/20 19:04	04/08/20 18:51	7439-92-1	
Nickel	0.0039J	mg/L	0.0050	0.00031	1	04/02/20 19:04	04/08/20 18:51	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/02/20 19:04	04/08/20 18:51	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/02/20 19:04	04/08/20 18:51	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/02/20 19:04	04/08/20 18:51	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/02/20 19:04	04/08/20 18:51	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	111	mg/L	10.0	10.0	1		04/07/20 12:19		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	1.5	mg/L	1.0	0.60	1		04/07/20 18:40	16887-00-6	
Fluoride	ND	mg/L	0.30	0.050	1		04/07/20 18:40	16984-48-8	
Sulfate	29.9	mg/L	1.0	0.50	1		04/07/20 18:40	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Sample: <b>GWC-22</b>	Lab ID: <b>2630525020</b>	Collected: 03/31/20 12:33	Received: 04/01/20 10:30	Matrix: Water					
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Atlanta, GA									
Field pH	<b>7.80</b>	Std. Units			1		04/07/20 14:39		
<b>6010D MET ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Atlanta, GA									
Calcium	<b>51.5</b>	mg/L	1.0	0.14	1	04/02/20 14:30	04/02/20 19:39	7440-70-2	
Zinc	ND	mg/L	0.020	0.018	1	04/02/20 14:30	04/02/20 19:39	7440-66-6	
<b>6020B MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Atlanta, GA									
Antimony	ND	mg/L	0.0030	0.00027	1	04/02/20 19:04	04/08/20 18:57	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00035	1	04/02/20 19:04	04/08/20 18:57	7440-38-2	
Barium	<b>0.10</b>	mg/L	0.010	0.00049	1	04/02/20 19:04	04/08/20 18:57	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000074	1	04/02/20 19:04	04/08/20 18:57	7440-41-7	
Boron	<b>0.067J</b>	mg/L	0.10	0.0049	1	04/02/20 19:04	04/08/20 18:57	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00011	1	04/02/20 19:04	04/08/20 18:57	7440-43-9	
Chromium	<b>0.0015J</b>	mg/L	0.010	0.00039	1	04/02/20 19:04	04/08/20 18:57	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00030	1	04/02/20 19:04	04/08/20 18:57	7440-48-4	
Copper	<b>0.00020J</b>	mg/L	0.0050	0.00019	1	04/02/20 19:04	04/08/20 18:57	7440-50-8	
Lead	<b>0.00013J</b>	mg/L	0.0050	0.000046	1	04/02/20 19:04	04/08/20 18:57	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00031	1	04/02/20 19:04	04/08/20 18:57	7440-02-0	
Selenium	ND	mg/L	0.010	0.0013	1	04/02/20 19:04	04/08/20 18:57	7782-49-2	
Silver	ND	mg/L	0.0050	0.00028	1	04/02/20 19:04	04/08/20 18:57	7440-22-4	
Thallium	ND	mg/L	0.0010	0.000052	1	04/02/20 19:04	04/08/20 18:57	7440-28-0	
Vanadium	ND	mg/L	0.010	0.00071	1	04/02/20 19:04	04/08/20 18:57	7440-62-2	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2540C Pace Analytical Services - Atlanta, GA									
Total Dissolved Solids	<b>195</b>	mg/L	10.0	10.0	1		04/07/20 12:19		
<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		04/07/20 18:54	16887-00-6	
Fluoride	<b>0.055J</b>	mg/L	0.30	0.050	1		04/07/20 18:54	16984-48-8	
Sulfate	<b>10.9</b>	mg/L	1.0	0.50	1		04/07/20 18:54	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

QC Batch: 45185 Analysis Method: EPA 6010D  
QC Batch Method: EPA 3010A Analysis Description: 6010D MET  
Laboratory: Pace Analytical Services - Atlanta, GA  
Associated Lab Samples: 2630525001, 2630525002, 2630525003, 2630525004, 2630525005, 2630525006, 2630525007, 2630525008, 2630525009, 2630525010, 2630525011

METHOD BLANK: 208195 Matrix: Water  
Associated Lab Samples: 2630525001, 2630525002, 2630525003, 2630525004, 2630525005, 2630525006, 2630525007, 2630525008, 2630525009, 2630525010, 2630525011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	04/03/20 20:54	
Zinc	mg/L	ND	0.020	0.018	04/03/20 20:54	

LABORATORY CONTROL SAMPLE: 208196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	105	80-120	
Zinc	mg/L	1	0.92	92	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 208197 208198

Parameter	Units	2630471005 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
			Spike Conc.	MS Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	27.0	1	1	27.9	28.3	89	125	75-125	1	20	
Zinc	mg/L	ND	1	1	0.89	0.88	88	88	75-125	0	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

QC Batch:	45190	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D MET
		Laboratory:	Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630525012, 2630525013, 2630525014

METHOD BLANK: 208222 Matrix: Water

Associated Lab Samples: 2630525012, 2630525013, 2630525014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	04/03/20 19:19	
Zinc	mg/L	ND	0.020	0.018	04/03/20 19:19	

LABORATORY CONTROL SAMPLE: 208223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	105	80-120	
Zinc	mg/L	1	0.90	90	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 208224 208225

Parameter	Units	2630623001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Calcium	mg/L	7420 ug/L	1	1	8.7	8.6	124	119	75-125	1	20	
Zinc	mg/L	ND	1	1	0.93	0.93	93	93	75-125	0	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

QC Batch: 45218 Analysis Method: EPA 6010D  
 QC Batch Method: EPA 3010A Analysis Description: 6010D MET  
 Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630525015, 2630525016, 2630525017, 2630525018, 2630525019, 2630525020

METHOD BLANK: 208341 Matrix: Water  
 Associated Lab Samples: 2630525015, 2630525016, 2630525017, 2630525018, 2630525019, 2630525020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	04/02/20 18:14	
Zinc	mg/L	ND	0.020	0.018	04/02/20 18:14	

LABORATORY CONTROL SAMPLE: 208342

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.1	105	80-120	
Zinc	mg/L	1	0.98	98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 208343 208344

Parameter	Units	2630471018		208344		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	124	1	1	128	131	368	75-125	3	20	M1
Zinc	mg/L	ND	1	1	0.95	0.96	94	75-125	2	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

QC Batch:	45184	Analysis Method:	EPA 6020B
QC Batch Method:	EPA 3005A	Analysis Description:	6020B MET
		Laboratory:	Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630525001, 2630525002, 2630525004, 2630525005, 2630525006, 2630525007, 2630525008, 2630525009, 2630525010, 2630525011

METHOD BLANK: 208191 Matrix: Water  
Associated Lab Samples: 2630525001, 2630525002, 2630525004, 2630525005, 2630525006, 2630525007, 2630525008, 2630525009, 2630525010, 2630525011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	04/03/20 15:05	
Arsenic	mg/L	ND	0.0050	0.00035	04/03/20 15:05	
Barium	mg/L	ND	0.010	0.00049	04/03/20 15:05	
Beryllium	mg/L	ND	0.0030	0.000074	04/03/20 15:05	
Boron	mg/L	ND	0.10	0.0049	04/03/20 15:05	
Cadmium	mg/L	ND	0.0025	0.00011	04/03/20 15:05	
Chromium	mg/L	ND	0.010	0.00039	04/03/20 15:05	
Cobalt	mg/L	ND	0.0050	0.00030	04/03/20 15:05	
Copper	mg/L	ND	0.0050	0.00019	04/03/20 15:05	
Lead	mg/L	ND	0.0050	0.000046	04/03/20 15:05	
Nickel	mg/L	ND	0.0050	0.00031	04/03/20 15:05	
Selenium	mg/L	ND	0.010	0.0013	04/03/20 15:05	
Silver	mg/L	ND	0.0050	0.00028	04/03/20 15:05	
Thallium	mg/L	ND	0.0010	0.000052	04/03/20 15:05	
Vanadium	mg/L	ND	0.010	0.00071	04/03/20 15:05	

LABORATORY CONTROL SAMPLE: 208192

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	103	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	1.0	102	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Copper	mg/L	0.1	0.10	100	80-120	
Lead	mg/L	0.1	0.097	97	80-120	
Nickel	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Silver	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.098	98	80-120	

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

Parameter	Units	2630325039		208193		208194		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	103	102	75-125	0	20			
Arsenic	mg/L	0.00051J	0.1	0.1	0.10	0.10	99	100	75-125	1	20			
Barium	mg/L	0.046	0.1	0.1	0.15	0.14	100	98	75-125	1	20			
Beryllium	mg/L	ND	0.1	0.1	0.098	0.10	98	100	75-125	2	20			
Boron	mg/L	1.9	1	1	2.9	2.9	91	92	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	2	20			
Chromium	mg/L	0.00058J	0.1	0.1	0.10	0.10	101	103	75-125	2	20			
Cobalt	mg/L	0.00056J	0.1	0.1	0.10	0.10	100	101	75-125	1	20			
Copper	mg/L	ND	0.1	0.1	0.096	0.097	95	97	75-125	2	20			
Lead	mg/L	0.00017J	0.1	0.1	0.092	0.092	91	92	75-125	0	20			
Nickel	mg/L	0.00056J	0.1	0.1	0.098	0.099	97	99	75-125	1	20			
Selenium	mg/L	0.0039J	0.1	0.1	0.10	0.11	100	104	75-125	4	20			
Silver	mg/L	ND	0.1	0.1	0.095	0.095	95	95	75-125	0	20			
Thallium	mg/L	0.00014J	0.1	0.1	0.093	0.095	93	95	75-125	2	20			
Vanadium	mg/L	0.00080J	0.1	0.1	0.10	0.11	104	105	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

QC Batch: 45189 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Laboratory: Pace Analytical Services - Atlanta, GA  
Associated Lab Samples: 2630525012, 2630525013, 2630525014

METHOD BLANK: 208216 Matrix: Water  
Associated Lab Samples: 2630525012, 2630525013, 2630525014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	04/02/20 14:43	
Arsenic	mg/L	0.00071J	0.0050	0.00035	04/02/20 14:43	
Barium	mg/L	ND	0.010	0.00049	04/02/20 14:43	
Beryllium	mg/L	ND	0.0030	0.000074	04/02/20 14:43	
Boron	mg/L	ND	0.10	0.0049	04/02/20 14:43	
Cadmium	mg/L	ND	0.0025	0.00011	04/02/20 14:43	
Chromium	mg/L	ND	0.010	0.00039	04/02/20 14:43	
Cobalt	mg/L	ND	0.0050	0.00030	04/02/20 14:43	
Copper	mg/L	ND	0.0050	0.00019	04/02/20 14:43	
Lead	mg/L	ND	0.0050	0.000046	04/02/20 14:43	
Nickel	mg/L	ND	0.0050	0.00031	04/02/20 14:43	
Selenium	mg/L	ND	0.010	0.0013	04/02/20 14:43	
Silver	mg/L	ND	0.0050	0.00028	04/02/20 14:43	
Thallium	mg/L	ND	0.0010	0.000052	04/02/20 14:43	
Vanadium	mg/L	0.00088J	0.010	0.00071	04/02/20 14:43	

LABORATORY CONTROL SAMPLE: 208217

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	100	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	0.10	104	80-120	
Boron	mg/L	1	1.1	105	80-120	
Cadmium	mg/L	0.1	0.10	101	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.097	97	80-120	
Copper	mg/L	0.1	0.097	97	80-120	
Lead	mg/L	0.1	0.099	99	80-120	
Nickel	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.098	98	80-120	
Silver	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.099	99	80-120	

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

**QUALITY CONTROL DATA**

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

Parameter	Units	208218		208219		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		2630600001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	100	102	75-125	2	20	
Arsenic	mg/L	ND	0.1	0.1	0.099	0.098	98	96	75-125	2	20	
Barium	mg/L	0.021	0.1	0.1	0.12	0.12	97	98	75-125	1	20	
Beryllium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20	
Boron	mg/L	ND	1	1	1.0	1.0	100	98	75-125	1	20	
Cadmium	mg/L	ND	0.1	0.1	0.099	0.097	99	97	75-125	2	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.099	99	98	75-125	1	20	
Cobalt	mg/L	ND	0.1	0.1	0.097	0.095	97	95	75-125	2	20	
Copper	mg/L	ND	0.1	0.1	0.095	0.094	94	94	75-125	0	20	
Lead	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20	
Nickel	mg/L	ND	0.1	0.1	0.096	0.095	95	95	75-125	0	20	
Selenium	mg/L	ND	0.1	0.1	0.097	0.096	96	95	75-125	1	20	
Silver	mg/L	ND	0.1	0.1	0.098	0.097	98	97	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.096	0.094	96	94	75-125	2	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.098	99	97	75-125	2	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**

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

QC Batch: 45226 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Laboratory: Pace Analytical Services - Atlanta, GA  
Associated Lab Samples: 2630525015, 2630525016, 2630525017, 2630525018, 2630525019, 2630525020

METHOD BLANK: 208424 Matrix: Water  
Associated Lab Samples: 2630525015, 2630525016, 2630525017, 2630525018, 2630525019, 2630525020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	04/08/20 16:57	
Arsenic	mg/L	0.00095J	0.0050	0.00035	04/08/20 16:57	
Barium	mg/L	ND	0.010	0.00049	04/08/20 16:57	
Beryllium	mg/L	ND	0.0030	0.000074	04/08/20 16:57	
Boron	mg/L	ND	0.10	0.0049	04/08/20 16:57	
Cadmium	mg/L	ND	0.0025	0.00011	04/08/20 16:57	
Chromium	mg/L	ND	0.010	0.00039	04/08/20 16:57	
Cobalt	mg/L	ND	0.0050	0.00030	04/08/20 16:57	
Copper	mg/L	ND	0.0050	0.00019	04/08/20 16:57	
Lead	mg/L	ND	0.0050	0.000046	04/08/20 16:57	
Nickel	mg/L	ND	0.0050	0.00031	04/08/20 16:57	
Selenium	mg/L	ND	0.010	0.0013	04/08/20 16:57	
Silver	mg/L	ND	0.0050	0.00028	04/08/20 16:57	
Thallium	mg/L	ND	0.0010	0.000052	04/08/20 16:57	
Vanadium	mg/L	0.0038J	0.010	0.00071	04/08/20 16:57	

LABORATORY CONTROL SAMPLE: 208425

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	104	80-120	
Arsenic	mg/L	0.1	0.10	102	80-120	
Barium	mg/L	0.1	0.10	104	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.1	105	80-120	
Cadmium	mg/L	0.1	0.099	99	80-120	
Chromium	mg/L	0.1	0.10	102	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Copper	mg/L	0.1	0.10	101	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Nickel	mg/L	0.1	0.099	99	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Silver	mg/L	0.1	0.10	102	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.10	102	80-120	

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

**QUALITY CONTROL DATA**

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

Parameter	Units	208426		208427		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		2630471018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.11	0.10	106	103	75-125	2	20	
Arsenic	mg/L	0.0022J	0.1	0.1	0.10	0.10	101	101	75-125	0	20	
Barium	mg/L	0.026	0.1	0.1	0.13	0.13	107	108	75-125	0	20	
Beryllium	mg/L	0.00015J	0.1	0.1	0.097	0.098	97	97	75-125	0	20	
Boron	mg/L	0.17	1	1	1.2	1.2	102	106	75-125	3	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.098	100	98	75-125	2	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	2	20	
Cobalt	mg/L	0.0014J	0.1	0.1	0.099	0.10	97	99	75-125	1	20	
Copper	mg/L	0.00029J	0.1	0.1	0.094	0.095	94	95	75-125	1	20	
Lead	mg/L	0.00030J	0.1	0.1	0.092	0.094	92	93	75-125	2	20	
Nickel	mg/L	0.00086J	0.1	0.1	0.096	0.097	95	97	75-125	2	20	
Selenium	mg/L	0.019	0.1	0.1	0.12	0.12	102	99	75-125	2	20	
Silver	mg/L	ND	0.1	0.1	0.098	0.096	98	96	75-125	2	20	
Thallium	mg/L	ND	0.1	0.1	0.093	0.094	93	94	75-125	1	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	100	101	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**

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

QC Batch: 45956 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020B MET  
Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630525003

METHOD BLANK: 212690 Matrix: Water  
Associated Lab Samples: 2630525003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00027	04/30/20 18:19	
Arsenic	mg/L	0.0013J	0.0050	0.00035	04/30/20 18:19	
Barium	mg/L	ND	0.010	0.00049	04/30/20 18:19	
Beryllium	mg/L	ND	0.0030	0.000074	04/30/20 18:19	
Boron	mg/L	ND	0.10	0.0049	04/30/20 18:19	
Cadmium	mg/L	ND	0.0025	0.00011	04/30/20 18:19	
Chromium	mg/L	ND	0.010	0.00039	04/30/20 18:19	
Cobalt	mg/L	ND	0.0050	0.00030	04/30/20 18:19	
Copper	mg/L	ND	0.0050	0.00019	04/30/20 18:19	
Lead	mg/L	ND	0.0050	0.000046	04/30/20 18:19	
Nickel	mg/L	ND	0.0050	0.00031	04/30/20 18:19	
Selenium	mg/L	ND	0.010	0.0013	04/30/20 18:19	
Silver	mg/L	ND	0.0050	0.00028	04/30/20 18:19	
Thallium	mg/L	ND	0.0010	0.000052	04/30/20 18:19	
Vanadium	mg/L	0.0043J	0.010	0.00071	04/30/20 18:19	

LABORATORY CONTROL SAMPLE: 212691

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.10	104	80-120	
Beryllium	mg/L	0.1	0.10	102	80-120	
Boron	mg/L	1	1.0	102	80-120	
Cadmium	mg/L	0.1	0.10	100	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.10	100	80-120	
Copper	mg/L	0.1	0.099	99	80-120	
Lead	mg/L	0.1	0.098	98	80-120	
Nickel	mg/L	0.1	0.098	98	80-120	
Selenium	mg/L	0.1	0.10	101	80-120	
Silver	mg/L	0.1	0.099	99	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.10	104	80-120	

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

Parameter	Units	212692		212693		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		2630525003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result							
Antimony	mg/L	ND	0.1	0.1	0.11	0.10	106	103	75-125	3	20	
Arsenic	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Barium	mg/L	0.071	0.1	0.1	0.19	0.18	118	110	75-125	4	20	
Beryllium	mg/L	ND	0.1	0.1	0.10	0.099	100	99	75-125	1	20	
Boron	mg/L	0.042J	1	1	1.0	1.0	100	95	75-125	5	20	
Cadmium	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	2	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	0	20	
Cobalt	mg/L	0.00035J	0.1	0.1	0.10	0.10	103	103	75-125	1	20	
Copper	mg/L	0.00067J	0.1	0.1	0.10	0.10	102	99	75-125	3	20	
Lead	mg/L	0.00016J	0.1	0.1	0.10	0.099	101	98	75-125	3	20	
Nickel	mg/L	0.0010J	0.1	0.1	0.10	0.10	101	100	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	102	103	75-125	1	20	
Silver	mg/L	ND	0.1	0.1	0.10	0.097	101	97	75-125	4	20	
Thallium	mg/L	ND	0.1	0.1	0.10	0.098	101	98	75-125	3	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	104	102	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

QC Batch: 45207

Analysis Method: SM 2540C

QC Batch Method: SM 2540C

Analysis Description: 2540C Total Dissolved Solids

Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630525001, 2630525002

LABORATORY CONTROL SAMPLE: 208287

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	341	85	84-108	

SAMPLE DUPLICATE: 208288

Parameter	Units	2630482003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	79.0	57.0	32	10	D6

SAMPLE DUPLICATE: 208289

Parameter	Units	2630472006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	69.0	80.0	15	10	D6

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

---

QC Batch:	45209	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630525003, 2630525004, 2630525005, 2630525006, 2630525007, 2630525008, 2630525009, 2630525010, 2630525011

---

LABORATORY CONTROL SAMPLE: 208290

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	375	94	84-108	

---

SAMPLE DUPLICATE: 208291

Parameter	Units	2630525003 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	193	188	3	10	

---

SAMPLE DUPLICATE: 208292

Parameter	Units	2630471008 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	413	422	2	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

QC Batch:	45274	Analysis Method:	SM 2540C
QC Batch Method:	SM 2540C	Analysis Description:	2540C Total Dissolved Solids
		Laboratory:	Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630525012, 2630525013, 2630525014

LABORATORY CONTROL SAMPLE: 208728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	385	96	84-108	

SAMPLE DUPLICATE: 208729

Parameter	Units	2630576001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	6300	6560	4	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

---

QC Batch: 45302	Analysis Method: SM 2540C
QC Batch Method: SM 2540C	Analysis Description: 2540C Total Dissolved Solids
	Laboratory: Pace Analytical Services - Atlanta, GA

Associated Lab Samples: 2630525015, 2630525016, 2630525017, 2630525018, 2630525019, 2630525020

---

LABORATORY CONTROL SAMPLE: 208859

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	368	92	84-108	

---

SAMPLE DUPLICATE: 208860

Parameter	Units	2630471018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	565	535	5	10	

---

SAMPLE DUPLICATE: 208861

Parameter	Units	2630525018 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	267	269	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

QC Batch: 533972 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: 2630525008, 2630525009

METHOD BLANK: 2849817 Matrix: Water  
Associated Lab Samples: 2630525008, 2630525009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/02/20 23:19	
Fluoride	mg/L	ND	0.10	0.050	04/02/20 23:19	
Sulfate	mg/L	ND	1.0	0.50	04/02/20 23:19	

LABORATORY CONTROL SAMPLE: 2849818

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	47.7	95	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	50	47.8	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2849819 2849820

Parameter	Units	2630435024 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	5.4	50	50	56.3	57.7	102	105	90-110	2	10	
Fluoride	mg/L	ND	2.5	2.5	2.7	2.7	106	108	90-110	2	10	
Sulfate	mg/L	ND	50	50	51.2	52.1	102	104	90-110	2	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2849821 2849822

Parameter	Units	2630449009 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Chloride	mg/L	1.6	50	50	54.0	53.9	105	105	90-110	0	10	
Fluoride	mg/L	0.13J	2.5	2.5	2.8	2.8	107	107	90-110	0	10	
Sulfate	mg/L	39.1	50	50	89.7	89.4	101	101	90-110	0	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

QC Batch: 533983 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: 2630525010, 2630525011

METHOD BLANK: 2849870 Matrix: Water  
Associated Lab Samples: 2630525010, 2630525011

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/02/20 16:46	
Fluoride	mg/L	ND	0.10	0.050	04/02/20 16:46	
Sulfate	mg/L	ND	1.0	0.50	04/02/20 16:46	

LABORATORY CONTROL SAMPLE: 2849871

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	50.8	102	90-110	
Fluoride	mg/L	2.5	2.7	107	90-110	
Sulfate	mg/L	50	50.5	101	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2849872 2849873

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2630525010 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	1.2	50	50	56.1	56.3	110	110	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.7	103	105	90-110	2	10		
Sulfate	mg/L	10.8	50	50	65.8	66.0	110	110	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2849874 2849875

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92471182001 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	3.2	50	50	57.8	59.5	109	113	90-110	3	10	M1	
Fluoride	mg/L	0.12	2.5	2.5	2.8	2.9	109	113	90-110	4	10	M1	
Sulfate	mg/L	ND	50	50	54.8	56.8	109	112	90-110	3	10	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.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

QC Batch: 533985 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: 2630525001

METHOD BLANK: 2849882 Matrix: Water  
Associated Lab Samples: 2630525001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/02/20 23:48	
Fluoride	mg/L	ND	0.10	0.050	04/02/20 23:48	
Sulfate	mg/L	ND	1.0	0.50	04/02/20 23:48	

LABORATORY CONTROL SAMPLE: 2849883

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	49.8	100	90-110	
Fluoride	mg/L	2.5	2.5	102	90-110	
Sulfate	mg/L	50	49.7	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2849884 2849885

Parameter	Units	2630472001		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result						
Chloride	mg/L	20.4	50	50	75.6	76.0	110	111	90-110	1	10	M1	
Fluoride	mg/L	0.098J	2.5	2.5	2.7	2.8	104	106	90-110	2	10		
Sulfate	mg/L	85.9	50	50	138	138	103	104	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2849886 2849887

Parameter	Units	2630471007		MS		MSD		% Rec	% Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result						
Chloride	mg/L	0.73J	50	50	58.0	58.4	114	115	90-110	1	10	M1	
Fluoride	mg/L	0.082J	2.5	2.5	2.8	2.8	109	109	90-110	0	10		
Sulfate	mg/L	176	50	50	227	231	102	109	90-110	2	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

QC Batch: 534237 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: 2630525002, 2630525003, 2630525004, 2630525005, 2630525006, 2630525007

METHOD BLANK: 2851088 Matrix: Water  
Associated Lab Samples: 2630525002, 2630525003, 2630525004, 2630525005, 2630525006, 2630525007

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/04/20 14:53	
Fluoride	mg/L	ND	0.10	0.050	04/04/20 14:53	
Sulfate	mg/L	ND	1.0	0.50	04/04/20 14:53	

LABORATORY CONTROL SAMPLE: 2851089

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	48.6	97	90-110	
Fluoride	mg/L	2.5	2.5	99	90-110	
Sulfate	mg/L	50	48.6	97	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2851147 2851148

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		2630471014 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	1.5	50	50	50.2	50.4	97	98	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.7	104	105	90-110	0	10		
Sulfate	mg/L	46.2	50	50	93.5	93.5	95	95	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2851149 2851150

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92471612001 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	391	50	50	392	404	0	25	90-110	3	10	M6	
Fluoride	mg/L	0.27	2.5	2.5	2.6	2.6	93	94	90-110	1	10		
Sulfate	mg/L	119	50	50	161	166	83	93	90-110	3	10	M6	

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

QC Batch: 534273 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: 2630525012, 2630525013, 2630525014

METHOD BLANK: 2851230 Matrix: Water  
Associated Lab Samples: 2630525012, 2630525013, 2630525014

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/05/20 21:29	
Fluoride	mg/L	ND	0.10	0.050	04/05/20 21:29	
Sulfate	mg/L	ND	1.0	0.50	04/05/20 21:29	

LABORATORY CONTROL SAMPLE: 2851231

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.7	103	90-110	
Fluoride	mg/L	2.5	2.6	103	90-110	
Sulfate	mg/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2851232 2851233

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92471690017	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	71.4	50	50	122	122	102	102	90-110	0	10		
Fluoride	mg/L	ND	2.5	2.5	2.5	2.4	100	97	90-110	3	10		
Sulfate	mg/L	86.6	50	50	139	138	104	103	90-110	0	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2851234 2851235

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92471917001	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	160	50	50	211	211	103	102	90-110	0	10		
Fluoride	mg/L	0.26	2.5	2.5	2.8	2.9	102	105	90-110	3	10		
Sulfate	mg/L	23.7	50	50	77.9	78.8	108	110	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

QC Batch: 534464 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: 2630525015, 2630525016, 2630525017, 2630525018, 2630525019, 2630525020

METHOD BLANK: 2852257 Matrix: Water  
Associated Lab Samples: 2630525015, 2630525016, 2630525017, 2630525018, 2630525019, 2630525020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	04/07/20 12:08	
Fluoride	mg/L	ND	0.10	0.050	04/07/20 12:08	
Sulfate	mg/L	ND	1.0	0.50	04/07/20 12:08	

LABORATORY CONTROL SAMPLE: 2852258

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.4	107	90-110	
Fluoride	mg/L	2.5	2.4	97	90-110	
Sulfate	mg/L	50	53.1	106	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2852259 2852260

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92472183011 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	7.7	50	50	57.4	59.2	99	103	90-110	3	10		
Fluoride	mg/L	0.056J	2.5	2.5	2.3	2.4	90	95	90-110	5	10		
Sulfate	mg/L	321	50	50	362	349	81	55	90-110	4	10	M6	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2852261 2852262

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92472188012 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	3.2	50	50	54.5	59.5	103	113	90-110	9	10	M1	
Fluoride	mg/L	ND	2.5	2.5	2.5	2.5	99	100	90-110	1	10		
Sulfate	mg/L	9.3	50	50	59.4	59.9	100	101	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

---

### 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.

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.

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

B Analyte was detected in the associated method blank.

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HAMMOND HUFFAKER 1ST SA  
Pace Project No.: 2630525

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2630525001	GWA-2				
2630525002	GWA-1				
2630525003	GWC-23				
2630525005	GWA-4				
2630525006	GWA-3				
2630525007	GWA-11				
2630525008	GWC-9				
2630525009	GWC-8				
2630525010	GWC-10				
2630525012	GWC-7				
2630525014	GWC-18				
2630525015	GWC-6				
2630525016	GWC-5				
2630525017	GWC-19				
2630525018	GWC-20				
2630525019	GWC-21				
2630525020	GWC-22				
2630525001	GWA-2	EPA 3010A	45185	EPA 6010D	45196
2630525002	GWA-1	EPA 3010A	45185	EPA 6010D	45196
2630525003	GWC-23	EPA 3010A	45185	EPA 6010D	45196
2630525004	FB-05	EPA 3010A	45185	EPA 6010D	45196
2630525005	GWA-4	EPA 3010A	45185	EPA 6010D	45196
2630525006	GWA-3	EPA 3010A	45185	EPA 6010D	45196
2630525007	GWA-11	EPA 3010A	45185	EPA 6010D	45196
2630525008	GWC-9	EPA 3010A	45185	EPA 6010D	45196
2630525009	GWC-8	EPA 3010A	45185	EPA 6010D	45196
2630525010	GWC-10	EPA 3010A	45185	EPA 6010D	45196
2630525011	FD-05	EPA 3010A	45185	EPA 6010D	45196
2630525012	GWC-7	EPA 3010A	45190	EPA 6010D	45194
2630525013	EB-01	EPA 3010A	45190	EPA 6010D	45194
2630525014	GWC-18	EPA 3010A	45190	EPA 6010D	45194
2630525015	GWC-6	EPA 3010A	45218	EPA 6010D	45223
2630525016	GWC-5	EPA 3010A	45218	EPA 6010D	45223
2630525017	GWC-19	EPA 3010A	45218	EPA 6010D	45223
2630525018	GWC-20	EPA 3010A	45218	EPA 6010D	45223
2630525019	GWC-21	EPA 3010A	45218	EPA 6010D	45223
2630525020	GWC-22	EPA 3010A	45218	EPA 6010D	45223
2630525001	GWA-2	EPA 3005A	45184	EPA 6020B	45197
2630525002	GWA-1	EPA 3005A	45184	EPA 6020B	45197
2630525003	GWC-23	EPA 3005A	45956	EPA 6020B	45957
2630525004	FB-05	EPA 3005A	45184	EPA 6020B	45197
2630525005	GWA-4	EPA 3005A	45184	EPA 6020B	45197
2630525006	GWA-3	EPA 3005A	45184	EPA 6020B	45197
2630525007	GWA-11	EPA 3005A	45184	EPA 6020B	45197
2630525008	GWC-9	EPA 3005A	45184	EPA 6020B	45197
2630525009	GWC-8	EPA 3005A	45184	EPA 6020B	45197

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2630525010	GWC-10	EPA 3005A	45184	EPA 6020B	45197
2630525011	FD-05	EPA 3005A	45184	EPA 6020B	45197
2630525012	GWC-7	EPA 3005A	45189	EPA 6020B	45195
2630525013	EB-01	EPA 3005A	45189	EPA 6020B	45195
2630525014	GWC-18	EPA 3005A	45189	EPA 6020B	45195
2630525015	GWC-6	EPA 3005A	45226	EPA 6020B	45233
2630525016	GWC-5	EPA 3005A	45226	EPA 6020B	45233
2630525017	GWC-19	EPA 3005A	45226	EPA 6020B	45233
2630525018	GWC-20	EPA 3005A	45226	EPA 6020B	45233
2630525019	GWC-21	EPA 3005A	45226	EPA 6020B	45233
2630525020	GWC-22	EPA 3005A	45226	EPA 6020B	45233
2630525001	GWA-2	SM 2540C	45207		
2630525002	GWA-1	SM 2540C	45207		
2630525003	GWC-23	SM 2540C	45209		
2630525004	FB-05	SM 2540C	45209		
2630525005	GWA-4	SM 2540C	45209		
2630525006	GWA-3	SM 2540C	45209		
2630525007	GWA-11	SM 2540C	45209		
2630525008	GWC-9	SM 2540C	45209		
2630525009	GWC-8	SM 2540C	45209		
2630525010	GWC-10	SM 2540C	45209		
2630525011	FD-05	SM 2540C	45209		
2630525012	GWC-7	SM 2540C	45274		
2630525013	EB-01	SM 2540C	45274		
2630525014	GWC-18	SM 2540C	45274		
2630525015	GWC-6	SM 2540C	45302		
2630525016	GWC-5	SM 2540C	45302		
2630525017	GWC-19	SM 2540C	45302		
2630525018	GWC-20	SM 2540C	45302		
2630525019	GWC-21	SM 2540C	45302		
2630525020	GWC-22	SM 2540C	45302		
2630525001	GWA-2	EPA 300.0 Rev 2.1 1993	533985		
2630525002	GWA-1	EPA 300.0 Rev 2.1 1993	534237		
2630525003	GWC-23	EPA 300.0 Rev 2.1 1993	534237		
2630525004	FB-05	EPA 300.0 Rev 2.1 1993	534237		
2630525005	GWA-4	EPA 300.0 Rev 2.1 1993	534237		
2630525006	GWA-3	EPA 300.0 Rev 2.1 1993	534237		
2630525007	GWA-11	EPA 300.0 Rev 2.1 1993	534237		
2630525008	GWC-9	EPA 300.0 Rev 2.1 1993	533972		
2630525009	GWC-8	EPA 300.0 Rev 2.1 1993	533972		
2630525010	GWC-10	EPA 300.0 Rev 2.1 1993	533983		
2630525011	FD-05	EPA 300.0 Rev 2.1 1993	533983		
2630525012	GWC-7	EPA 300.0 Rev 2.1 1993	534273		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HAMMOND HUFFAKER 1ST SA

Pace Project No.: 2630525

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
2630525013	EB-01	EPA 300.0 Rev 2.1 1993	534273		
2630525014	GWC-18	EPA 300.0 Rev 2.1 1993	534273		
2630525015	GWC-6	EPA 300.0 Rev 2.1 1993	534464		
2630525016	GWC-5	EPA 300.0 Rev 2.1 1993	534464		
2630525017	GWC-19	EPA 300.0 Rev 2.1 1993	534464		
2630525018	GWC-20	EPA 300.0 Rev 2.1 1993	534464		
2630525019	GWC-21	EPA 300.0 Rev 2.1 1993	534464		
2630525020	GWC-22	EPA 300.0 Rev 2.1 1993	534464		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



# 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		<b>Section B</b> Required Project Information		<b>Section C</b> Invoicing 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:	Plant Hammond Hulfaker Semirannul (Coal) Plant	Reference:	Kevin Herring
Requested Due Date/Day:	10 Day	Project Number:	GW6581B	Pace Quote #:	2912-8
				Pace Project #:	
				Pace Profile #:	2912-8

ITEM #	Section D Required Client Information	Valid Matrix Codes CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test			Requested Analysis Filtered (Y/N)		
					DATE	TIME							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	Chloride, Fluoride, Sulfate		TDS	Metals 6010/6020*
1	GWA-2	DM WT WW	WT G	G			3/26	10:41			15	3	2	1										
2	GWA-1	DM WT WW	WT G	G			3/26	13:07			16	3	2	1										
3	GWC-23	DM WT WW	WT G	G			3/26	16:34			18	3	2	1										
4	FB-05	DM WT WW	WT G	G			3/26	17:55			25	3	2	1										

ADDITIONAL COMMENTS				RELINQUISHED BY / AFFILIATION				ACCEPTED BY / AFFILIATION				SAMPLE CONDITIONS			
ITEM #	DATE	TIME	INITIALS	DATE	TIME	INITIALS	AFFILIATION	DATE	TIME	INITIALS	AFFILIATION	DATE	TIME	INITIALS	AFFILIATION
1	3/26/2020	18:00	[Signature]	3/26/20	18:00	[Signature]		3/26/20	18:00	[Signature]		3/26/20	18:00	[Signature]	
2	3/26/2020	19:43	[Signature]	3/26/20	19:43	[Signature]		3/26/20	19:43	[Signature]		3/26/20	19:43	[Signature]	
3	3/27/2020	13:00	[Signature]	3/27/20	13:00	[Signature]		3/27/20	13:00	[Signature]		3/27/20	13:00	[Signature]	
4	3/27/2020	15:41	[Signature]	3/27/20	15:41	[Signature]		3/27/20	15:41	[Signature]		3/27/20	15:41	[Signature]	

REGULATORY AGENCY	<input type="checkbox"/> NPDES	<input type="checkbox"/> GROUND WATER	<input type="checkbox"/> DRINKING WATER
	<input type="checkbox"/> UST	<input type="checkbox"/> RCRA	<input type="checkbox"/> OTHER
Site Location	GA	STATE:	
Temp in °C		Received on Ice (Y/N)	
Custody Sealed Cooler (N/A)		Signature of Sampler: Chad Russo	DATE Signed (MM/DD/YYYY): 3/26/2020
Samples Intact (Y/N)		Signature of Analytical Lab: [Signature]	DATE Signed (MM/DD/YYYY): [Blank]

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

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



# 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> Invoicing Information:	
Company: <b>GA Power</b>	Address: <b>Atlanta, GA</b>	Report for: <b>SCS Contacts</b>	Copy to: <b>Geosynlec Contacts</b>	Attention: <b>Southern Co.</b>	Company Name: <b>Southern Co.</b>
Project Name: <b>Plant Hammond Fuelflex Semianual</b>	Purchase Order No.: <b>521</b>	Project Number: <b>GW6581B</b>	Request Date: <b>10 Day</b>	Address:	Reference: <b>Kevin Herring</b>
Requested Date: <b>10 Day</b>	Project Name: <b>Plant Hammond Fuelflex Semianual</b>	Project Number: <b>GW6581B</b>	Requested Analysis Filtered (Y/N)	Site Location: <b>GA</b>	State: <b>GA</b>
<b>REGULATORY AGENCY</b> <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER			Requested Analysis Filtered (Y/N) <input type="checkbox"/> Chloride, Fluoride, Sulfate <input type="checkbox"/> TDS <input type="checkbox"/> Metals 6010/6020*		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	OF CONTAINERS	Preservatives		Analysis Test	Residual Chlorine (Y/N)	pH =
				DATE	TIME			DATE	TIME			
1	GVA-4		G	3/24/20	1113		3	2	1			
2	GVA-3		G	3/24/20	1221		3	2	1			
3	GVA-11		G	3/24/20	1545		3	2	1			
4			G				3	2	1			
5			G				3	2	1			
6			G				3	2	1			
7			G				3	2	1			
8			G				3	2	1			
9			G				3	2	1			
10			G				3	2	1			
11			G				3	2	1			
12			G				3	2	1			

**ADDITIONAL COMMENTS:**  
 Please note dry wells, stable through any wells not sampled, and note when the last sample for the event has been taken.

**RELINQUISHED BY / AFFILIATION:** *Mollie M. Pace*  
 DATE: 3-26-20 TIME: 1443

**ACCEPTED BY / AFFILIATION:** *Paron Becker*  
 DATE: 3/26/20 TIME: 1300

**RELINQUISHED BY / AFFILIATION:** *Mollie M. Pace*  
 DATE: 3/27/20 TIME: 1300

**ACCEPTED BY / AFFILIATION:** *K. Williford*  
 DATE: 3/27/20 TIME: 1541

**RELINQUISHED BY / AFFILIATION:** *Mollie M. Pace*  
 DATE: 3/27/20 TIME: 1541

**ACCEPTED BY / AFFILIATION:** *Paron Becker*  
 DATE: 03/26/2020 TIME: 1541

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

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

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





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  
 Purchase Order No.: 2151  
 Project Name: Plant Hammond Hufferaker Semiannual Compliance  
 Project Number: GW6581B

**Section C** Invoicing Information:  
 Attention: Southern Co.  
 Company Name:  
 Address:  
 Puro Date:  
 Reference: Pace Project  
 Manager: Kevin Herring  
 Pace Profile #: 2912-8

**REGULATORY AGENCY**  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER (specify)

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

**Section D** Valid Matrix Codes  
 DRINKING WATER: DW  
 WASTE WATER: WW  
 PROTECTIVE: P  
 SOIL/SOLID: S  
 OIL: OIL  
 WIP: WIP  
 AIR: AIR  
 OTHER: OTHER  
 TISSUE: TISSUE

Sample IDs MUST BE UNIQUE (A-Z, 0-9 / - / -)

ITEM #	Matrix Code	Sample Type (G=GRAB C=COMP)	COLLECTED			Sample Temp at Collection	# of Containers	Preservatives								Analysis Test			Residual Chlorine (Y/N)	pH =															
			DATE	TIME	DATE			TIME	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	Methanol	Other	Chloride, Fluoride, Sulfate	TDS	Metals 6010/6020*																	
			Requested Analysis Filtered (Y/N)		Requested Analysis Filtered (Y/N)			Requested Analysis Filtered (Y/N)																											
1	GW-C-4	G	3/27	07:00	-	17	3	2	1																										
2	GW-C-8	G	3/27	12:49	-	17	3	2	1																										

Additional Comments:  
 Relinquished by Affiliation: \_\_\_\_\_  
 Accepted by Affiliation: \_\_\_\_\_

Print Name of Sampler: Chad Russo  
 Signature of Sampler: \_\_\_\_\_  
 Date Signed (MM/DD/YY): 3/27/2020

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

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

**Section A** Required Client Information: Company: **GA Power** Address: **Atlanta, GA** Email To: **SCS Contacts** Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Requested Due Date/TAT: **10 Day**

**Section B** Required Project Information: Report To: **SCS Contacts** Copy To: **Geosyntec Contracts** Purchase Order No.: \_\_\_\_\_ Project Name: **Plant Hammond Huffer/Semiannual Compliance** Project Number: **GW6581B** Address: \_\_\_\_\_ Company Name: **Southern Co.** Invoice Information: Attention: \_\_\_\_\_ Reference: \_\_\_\_\_ Pace Project Manager: **Kevin Herring** Pace Profile #: **2912-8**

**Section C** Regulatory Agency: **NPDES**  **GROUND WATER**  **DRINKING WATER**  **UST**  **RCRA**  **OTHER**  Site Location: \_\_\_\_\_ STATE: **GA**

**Section D** Required Client Information: **Valid Matrix Codes**  
Matrix Code: **WT G**  
Sample Type: **G**  
Matrix Code: **WT G**  
Sample Type: **G**  
Matrix Code: **WT G**  
Sample Type: **G**  
Matrix Code: **WT G**  
Sample Type: **G**  
Matrix Code: **WT G**  
Sample Type: **G**  
Matrix Code: **WT G**  
Sample Type: **G**  
Matrix Code: **WT G**  
Sample Type: **G**  
Matrix Code: **WT G**  
Sample Type: **G**  
Matrix Code: **WT G**  
Sample Type: **G**  
Matrix Code: **WT G**  
Sample Type: **G**  
Matrix Code: **WT G**  
Sample Type: **G**

ITEM #	DATE	TIME	DATE	TIME	# OF CONTAINERS	Analysis Test	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*	6.82	Y	N	Y
2	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*		Y	N	Y
3	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*		Y	N	Y
4	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*		Y	N	Y
5	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*		Y	N	Y
6	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*		Y	N	Y
7	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*		Y	N	Y
8	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*		Y	N	Y
9	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*		Y	N	Y
10	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*		Y	N	Y
11	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*		Y	N	Y
12	3/27/20	10:30	3/27/20	10:30	3	Chloride, Fluoride, Sulfate TDS Metals 6010/6020*		Y	N	Y

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

**RELINQUISHED BY / AFFILIATION**  
Micki McWhorter / Geosyntec

**ACCEPTED BY / AFFILIATION**  
Micki McWhorter / Geosyntec

**SAMPLER NAME AND SIGNATURE**  
PRINT Name of SAMPLER: **Aaron Reed et**  
SIGNATURE of SAMPLER: *[Signature]*  
DATE Signed (MM/DD/YY): **03/27/2020**

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

Section A Requested Client Information: Company: GA Power Address: Atlanta, GA

Section B Required Project Information: Report for: SCS Contacts Coor To: Geosynetic Contacts  
Purchase Order No.:  
Project Name: Plant Hammond Hulfaker Semiannual  
Requested Due Date/TAT: 10 Day

Section C Invoice Information: Attention: Southern Co. Company Name:  
Address:  
Phone: Pace Quar Reference: Kevin Herring  
Project Manager: Pace Profile #: 2912-8

REGULATORY AGENCY: NPDES GROUND WATER DRINKING WATER UST RCRA OTHER

Section D Valid Matrix Codes: DRINKING WATER DIV, WASTE WATER WW, SOURCE/ID, OIL, WIFE, AIR, OTHER TISSUE

Matrix Code (see valid codes to left): SAMPLE TYPE (G=GRAB C=COMP)

ITEM #	Section D Required Client Information	MATRIX CODE	SAMPLE TYPE	COLLECTED		DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test			Residual Chlorine (Y/N)	pH =
				DATE	TIME							H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>	Methanol	Other	Chloride, Fluoride, Sulfate	TDS		

Section E ADDITIONAL COMMENTS: Please note dry wells, slides through dry wells not sampled, and note when the last sample for the event has been taken.

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Chad Russo/Geo	3/30/20	1745	Michelle McArthur/Geo	3/30/20	1745
Michelle McArthur/Geo	3/30/20	1903	Michelle McArthur/Geo	3/30/20	1903
Michelle McArthur/Geo	3/31/20	1135	Kenneth Drake/Geo	3/31/20	1735
Michelle McArthur/Geo	3/31	1500	Kenneth Drake/Geo	3/31/20	1500

Section F SAMPLER NAME AND SIGNATURE

PRINT NAME OF SAMPLER: Chad Russo

SIGNATURE OF SAMPLER: *Chad Russo*

DATE SIGNED (MINORITY): 3/30/2020

Temp in °C: 4.3

Received on Ice (Y/N): Y

Custody Sealed Cooler (Y/N): N

Samples Intact (Y/N): Y

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

F-ALL-Q-020/rv/07, 15-Feb-2007





# CHAIN-OF-CUSTODY / Analytical Request Document

Page: 1 of 2

<b>Section A</b> Required Client Information	<b>Section B</b> Required Project Information	<b>Section C</b> Invoice Information
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: Fax:	Project Name: Plant Hammond Hurricane Semianual Leachate	Pace Queue Reference: Pace Project Kevin Herring
Requested Date Data/FAT: 10 Day	Project Number: GWS587B	Manager: Pace Powder # 2912-8

REGULATORY AGENCY	<input checked="" type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER
	<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER (OR#)
Site Location	GA
STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODES DRINKING WATER DW WASTE WATER WW PRODUCT WATER PW SOLID WASTE SW AIR A OTHER OT TISSUE TS	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			Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	pH =		
											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	Chloride, Fluoride, Sulfate	TDS				Metals 6010/6020*	
1	GWC-6		WT G	G	3/31	1230	--	--	17	3	2	1	1	1	1	1	1	1	X	X	X				pH = 7.17
2	GWC-5		WT G	G	3/31	1350	--	15		3	2	1	1	1	1	1	1	1	X	X	X				pH = 6.82
3			WT G	G						3	2	1	1	1	1	1	1	1	X	X	X				pH =
4			WT G	G						3	2	1	1	1	1	1	1	1	X	X	X				pH =
5			WT G	G						3	2	1	1	1	1	1	1	1	X	X	X				pH =
6			WT G	G						3	2	1	1	1	1	1	1	1	X	X	X				pH =
7			WT G	G						3	2	1	1	1	1	1	1	1	X	X	X				pH =
8			WT G	G						3	2	1	1	1	1	1	1	1	X	X	X				pH =
9			WT G	G						3	2	1	1	1	1	1	1	1	X	X	X				pH =
10			WT G	G						3	2	1	1	1	1	1	1	1	X	X	X				pH =
11			WT G	G						3	2	1	1	1	1	1	1	1	X	X	X				pH =
12			WT G	G						3	2	1	1	1	1	1	1	1	X	X	X				pH =

Additional Comments: Please note dry wells, strike through any wells not sampled, and note when the USA samples for the event has been taken.

Matrix: Sh, Ar, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Pb, Ni, Se, Ag, Tl, V, Zn

REINVOICED BY / AFFILIATION: *Lead Powell/SCO* DATE: 3/13/20 TIME: 1650

ACCEPTED BY / AFFILIATION: *Scott Powell* DATE: 3/31/20 TIME: 1650

SAMPLER NAME AND SIGNATURE: *Scott Powell* DATE SIGNED (MM/DD/YYYY): 3/31/2020

PRINT Name of SAMPLER: *Chat Russo*

SIGNATURE OF SAMPLER: *Chat Russo*

Temp in °C: 23

Received on Ice (Y/N): Y

Custody Sealed Cooler (Y/N): N

Samples Intact (Y/N): Y

\*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.



# 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	
Company: GA Power	Address: Atlanta, GA	Report To: SCS Contacts	Copy To: Geosyntec Contacts	Attention: Southern Co.	Company Name: Southern Co.
Project Name: Plant Hammond Hufferaker Semianual Sampling	Project Number: GW6581B	Reference: Keith Herring	Address: [Blank]	Preservative: H <sub>2</sub> SO <sub>4</sub>	Reference: [Blank]
Requested Date/Time: 10 Day	Requested Date/Time: 10 Day	Price Profile #: 2912-8	Address: [Blank]	Preservative: HNO <sub>3</sub>	Reference: [Blank]
REGULATORY AGENCY			REGULATORY AGENCY		
NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/>			NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/>		
UST <input type="checkbox"/> RCRA <input type="checkbox"/>			UST <input type="checkbox"/> RCRA <input type="checkbox"/>		
OTHER <input type="checkbox"/>			OTHER <input type="checkbox"/>		
Site Location: GA			Site Location: GA		
Requested Analysis Filtered (Y/N)			Requested Analysis Filtered (Y/N)		
Residual Chlorine (Y/N)			Residual Chlorine (Y/N)		
Temp in °C			Temp in °C		
Received on Ice (Y/N)			Received on Ice (Y/N)		
Custody Sealed Cooler (Y/N)			Custody Sealed Cooler (Y/N)		
Samples Intact (Y/N)			Samples Intact (Y/N)		

ITEM #	Section D Required Client Information	Valid Matrix Codes DW, WT, WW, P, SL, CL, WP, AR, OT, TS	MATRIX CODE (see valid codes to left)	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)	pH =
					DATE	TIME							
1	6VC-19		WT G	G	3/31/20	0752	3	2	1	X	X	X	pH = 7.62
2	6VC-20		WT G	G	3/31/20	1048	3	2	1	X	X	X	pH = 7.57
3	6VC-21		WT G	G	3/31/20	1518	3	2	1	X	X	X	pH = 6.33
4	6VC-22		WT G	G	3/31/20	1233	3	2	1	X	X	X	pH = 7.80
5			WT G	G			3	2	1	X	X	X	pH =
6			WT G	G			3	2	1	X	X	X	pH =
7			WT G	G			3	2	1	X	X	X	pH =
8			WT G	G			3	2	1	X	X	X	pH =
9			WT G	G			3	2	1	X	X	X	pH =
10			WT G	G			3	2	1	X	X	X	pH =
11			WT G	G			3	2	1	X	X	X	pH =
12			WT G	G			3	2	1	X	X	X	pH =

**ADDITIONAL COMMENTS:**  
Please note dry wells, stake through any wells not sampled, and note when the last sample for the event has been taken.

**RELINQUISHED BY / AFFILIATION:** [Signature] / [Blank]

**ACCEPTED BY / AFFILIATION:** [Signature] / [Blank]

**DATE:** 3/31/20

**TIME:** 1845

**DATE:** 3/31/20

**TIME:** 1845

**DATE:** 4/11/20

**TIME:** 1030

**DATE:** 4/11/20

**TIME:** 1440

**DATE:** 4/11/20

**TIME:** 1440

**Temp in °C:** 2.8

**Received on Ice (Y/N):** Y

**Custody Sealed Cooler (Y/N):** N

**Samples Intact (Y/N):** Y

**SAMPLER NAME AND SIGNATURE:** Yaron Reeder

**PRINT Name of SAMPLER:** Yaron Reeder

**SIGNATURE of SAMPLER:** [Signature]

**DATE Signed (MM/DD/YYYY):** 3/31/20

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

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

June 30, 2020

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

RE: Project: HUFFAKER SEMIANNUAL RESAMPLING  
Pace Project No.: 92482800

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between June 19, 2020 and June 22, 2020. 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: Kristen Jurinko  
Whitney Law, Geosyntec Consultants  
Noelia Muskus, Geosyntec Consultants  
Ms. Lauren Petty, Southern Co. Services



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

---

### **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

---

### **Pace Analytical Services Asheville**

2225 Riverside Drive, Asheville, NC 28804  
Florida/NELAP Certification #: E87648  
Massachusetts Certification #: M-NC030  
North Carolina Drinking Water Certification #: 37712

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

---

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

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

North Carolina Certification #: 381  
South Carolina Certification #: 98011001  
Virginia Certification #: 460204

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## SAMPLE SUMMARY

Project: HUFFAKER SEMIANNUAL RESAMPLING  
Pace Project No.: 92482800

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92482800001	GWC-6	Water	06/18/20 17:35	06/19/20 13:10
92482800002	GWC-10	Water	06/19/20 14:00	06/22/20 10:45
92482800003	GWC-7	Water	06/19/20 10:52	06/22/20 10:45
92482800004	GWC-19	Water	06/19/20 14:23	06/22/20 10:45
92482800005	GWC-20	Water	06/19/20 12:50	06/22/20 10:45
92482800006	GWC-8	Water	06/19/20 11:45	06/22/20 10:45

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92482800001	GWC-6	EPA 6020B	CW1	1
92482800003	GWC-7	EPA 300.0 Rev 2.1 1993	CDC	1
92482800004	GWC-19	EPA 6010D	DRB	1
92482800005	GWC-20	EPA 6010D	DRB	1
		EPA 6020B	CW1	1
92482800006	GWC-8	EPA 6020B	CW1	1

PASI-A = Pace Analytical Services - Asheville

PASI-C = Pace Analytical Services - Charlotte

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

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92482800001</b>	<b>GWC-6</b>					
EPA 6020B	pH	6.96	Std. Units		06/25/20 12:28	
	Boron	0.045J	mg/L	0.10	06/23/20 13:27	
<b>92482800002</b>	<b>GWC-10</b>					
	pH	7.4	Std. Units		06/25/20 12:28	
<b>92482800003</b>	<b>GWC-7</b>					
EPA 300.0 Rev 2.1 1993	pH	6.45	Std. Units		06/25/20 12:28	
	Chloride	1.4	mg/L	1.0	06/26/20 02:42	
<b>92482800004</b>	<b>GWC-19</b>					
EPA 6010D	pH	7.61	Std. Units		06/25/20 12:28	
	Calcium	41.3	mg/L	1.0	06/29/20 16:29	M1
<b>92482800005</b>	<b>GWC-20</b>					
EPA 6010D	pH	7.31	Std. Units		06/25/20 12:28	
EPA 6010D	Calcium	61.4	mg/L	1.0	06/29/20 16:46	
EPA 6020B	Barium	0.14	mg/L	0.010	06/25/20 16:41	
<b>92482800006</b>	<b>GWC-8</b>					
EPA 6020B	pH	6.81	Std. Units		06/25/20 12:28	
	Boron	0.086J	mg/L	0.10	06/25/20 16:12	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

Sample: GWC-6		Lab ID: 92482800001		Collected: 06/18/20 17:35		Received: 06/19/20 13:10		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.96	Std. Units			1		06/25/20 12:28		
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Boron	0.045J	mg/L	0.10	0.0049	1	06/22/20 17:17	06/23/20 13:27	7440-42-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: GWC-10</b>									
<b>Lab ID: 92482800002</b>									
Collected: 06/19/20 14:00									
Received: 06/22/20 10:45									
Matrix: Water									
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.4	Std. Units			1		06/25/20 12:28		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: GWC-7      Lab ID: 92482800003      Collected: 06/19/20 10:52      Received: 06/22/20 10:45      Matrix: Water</b>									
<b>Field Data</b>	Analytical Method: Pace Analytical Services - Charlotte								
pH	<b>6.45</b>	Std. Units			1		06/25/20 12:28		
<b>300.0 IC Anions 28 Days</b>	Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville								
Chloride	<b>1.4</b>	mg/L	1.0	0.60	1		06/26/20 02:42	16887-00-6	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

Sample: GWC-19		Lab ID: 92482800004		Collected: 06/19/20 14:23		Received: 06/22/20 10:45		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.61	Std. Units			1		06/25/20 12:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	41.3	mg/L	1.0	0.14	1	06/29/20 12:40	06/29/20 16:29	7440-70-2	M1

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

Sample: <b>GWC-20</b>		Lab ID: <b>92482800005</b>		Collected: 06/19/20 12:50	Received: 06/22/20 10:45	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	<b>7.31</b>	Std. Units			1		06/25/20 12:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>61.4</b>	mg/L	1.0	0.14	1	06/29/20 12:40	06/29/20 16:46	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Barium	<b>0.14</b>	mg/L	0.010	0.00049	1	06/24/20 13:30	06/25/20 16:41	7440-39-3	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## ANALYTICAL RESULTS

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: GWC-8</b>									
<b>Lab ID: 92482800006</b>									
Collected: 06/19/20 11:45    Received: 06/22/20 10:45    Matrix: Water									
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	<b>6.81</b>	Std. Units			1		06/25/20 12:28		
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B    Preparation Method: EPA 3005A									
Pace Analytical Services - Peachtree Corners, GA									
Boron	<b>0.086J</b>	mg/L	0.10	0.0049	1	06/24/20 13:30	06/25/20 16:12	7440-42-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HUFFAKER SEMIANNUAL RESAMPLING  
Pace Project No.: 92482800

QC Batch: 550184	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92482800004, 92482800005

METHOD BLANK: 2925536 Matrix: Water  
Associated Lab Samples: 92482800004, 92482800005

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.14	06/29/20 16:20	

LABORATORY CONTROL SAMPLE: 2925537

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.97J	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2925538 2925539

Parameter	Units	2925538		2925539		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92482800004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	41.3	1	1	41.9	41.8	60	49	75-125	0	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.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

QC Batch: 548895

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92482800001

METHOD BLANK: 2919709

Matrix: Water

Associated Lab Samples: 92482800001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Boron	mg/L	ND	0.10	0.0049	06/23/20 13:04	

LABORATORY CONTROL SAMPLE: 2919710

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Boron	mg/L	1	1.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2919711 2919712

Parameter	Units	2919711		2919712		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Boron	mg/L	0.045J	1	1	1.0	0.98	95	94	75-125	2	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

QC Batch: 549351	Analysis Method: EPA 6020B
QC Batch Method: EPA 3005A	Analysis Description: 6020 MET
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92482800005, 92482800006

METHOD BLANK: 2921563 Matrix: Water

Associated Lab Samples: 92482800005, 92482800006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Barium	mg/L	ND	0.010	0.00049	06/25/20 16:01	
Boron	mg/L	ND	0.10	0.0049	06/25/20 16:01	

LABORATORY CONTROL SAMPLE: 2921564

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Barium	mg/L	0.1	0.096	96	80-120	
Boron	mg/L	1	0.97	97	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2921565 2921566

Parameter	Units	92482800006		2921566		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Barium	mg/L	0.21	0.1	0.1	0.30	95	80	75-125	5	20	
Boron	mg/L	0.086J	1	1	0.96	87	87	75-125	0	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HUFFAKER SEMIANNUAL RESAMPLING  
Pace Project No.: 92482800

QC Batch: 549586 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: 92482800003

METHOD BLANK: 2922599 Matrix: Water  
Associated Lab Samples: 92482800003

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	06/25/20 23:34	

LABORATORY CONTROL SAMPLE: 2922600

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2922601 2922602

Parameter	Units	92483177002		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Conc.	Result	Result	% Rec	% Rec				
Chloride	mg/L	3.9	50	50	55.0	54.3	102	101	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2922603 2922604

Parameter	Units	92483187001		MSD		MS		MSD		% Rec Limits	RPD	Max RPD	Qual
		Result	Spike Conc.	Spike Conc.	Conc.	Result	Result	% Rec	% Rec				
Chloride	mg/L	15.7	50	50	67.7	65.2	104	99	90-110	4	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: HUFFAKER SEMIANNUAL RESAMPLING

Pace Project No.: 92482800

---

### 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.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HUFFAKER SEMIANNUAL RESAMPLING  
Pace Project No.: 92482800

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92482800001	GWC-6				
92482800002	GWC-10				
92482800003	GWC-7				
92482800004	GWC-19				
92482800005	GWC-20				
92482800006	GWC-8				
92482800004	GWC-19	EPA 3010A	550184	EPA 6010D	550253
92482800005	GWC-20	EPA 3010A	550184	EPA 6010D	550253
92482800001	GWC-6	EPA 3005A	548895	EPA 6020B	548915
92482800005	GWC-20	EPA 3005A	549351	EPA 6020B	549398
92482800006	GWC-8	EPA 3005A	549351	EPA 6020B	549398
92482800003	GWC-7	EPA 300.0 Rev 2.1 1993	549586		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



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

**WO#: 92482800**



<b>Section A</b> Required Client Information				<b>Section B</b> Required Project Information				<b>Section C</b> Invoice Information			
Company: GA Power				Report To: SCS Contacts				Address: Atlanta GA			
Address: Atlanta GA				Copy To: Geosyntec Contacts				Company Name: Southern Co			
Phone: SCS Contacts				Purchase Order No.:				Address:			
Requested Due Date/TAT: 5 Day				Project Name: Hufaker Semiannual Resampling				Page Quote: Kevin Herring			
Project Number: GW65818				Reference Project Manager: Kevin Herring				Requested Analysis Filtered (Y/N):			
REGULATORY AGENCY: NPDES, UST, RCRA, OTHER				GROUND WATER, DRINKING WATER				Residual Chlorine (Y/N):			
Site Location: GA				Pace Project No./ Lab I.D.: 92482800				Pace Project No./ Lab I.D.:			

ITEM #	Section D Required Client Information	Valid Matrix Codes <small>RESIDUAL CHLORINE DRINKING WATER GROUND WATER WASTEWATER WASTE WATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER WASTEWATER</small>	MATRIX CODE <small>(See valid codes to left)</small>	SAMPLE TYPE <small>(G=GRAB C=COMP)</small>	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							
1	GWC-7		WT-G				1	Unpreserved	Barium				
2	GWC-10		WT-G				1	H <sub>2</sub> SO <sub>4</sub>	Calcium				
3	GWC-19		WT-G				1	HNO <sub>3</sub>	Chloride				
4	GWC-20		WT-G				1	HCl	pH				
5	GWC-6		WT-G				1	NaOH					
6							1	Na <sub>2</sub> S <sub>2</sub> O <sub>5</sub>					
7							1	Methanol					
8							1	Other					
9							1						
10							1						
11							1						
12							1						

<b>ADDITIONAL COMMENTS</b>	<b>RELIQUISHED BY / AFFILIATION</b>	<b>DATE</b>	<b>TIME</b>	<b>ACCEPTED BY / AFFILIATION</b>	<b>DATE</b>	<b>TIME</b>	<b>SAMPLE CONDITIONS</b>
Please note dry wells. Shine through dry wells not sampled and note when the last sample for the event has been taken.	Chad Russo	6/19/20	13:10	Kevin Herring	6/18/20	20:30	
	Chad Russo	6/19/20	15:15	Kevin Herring	6/19/20	13:10	

<b>SAMPLER NAME AND SIGNATURE</b>		<b>Temp in °C</b>	<b>Received on Ice (Y/N)</b>	<b>Custody Sealed Cooler (Y/N)</b>	<b>Samples Intact (Y/N)</b>
PRINT Name of SAMPLER: Chad Russo	SIGNATURE of SAMPLER: Chad Russo	34	Y	N	Y
DATE Signed (MM/DD/YY): 6/18/2020					

\*Indicates Made By Signer from form you are accepting Pace's NET 30 day payment terms and agreement to the charges of 1.5% per month for any invoices not paid within 30 days

F-ALL-Q-020rev 07 15.f cd-2007





CHAIN-OF-CUSTODY / Analytical Request Document

MO#: 92482800

PM: KLH1

Due Date: 06/26/20

CLIENT: GA-GA Power

Page: 1 of 2

Section A  
Required Client Information  
Company: GA Power  
Address: Atlanta, GA  
Email To: SCS Contacts  
Phone: SCS Contacts  
Requested Due Date/TAT: 5 Day

Section B  
Required Project Information:  
Report To: SCS Contacts  
Copy To: Geosynlec Contacts  
Purchase Order No.  
Project Name: Hufferaker Semiannual Resampling  
Project Number: GW65818

Section C  
Invoice Information  
Attention: Southern Co.  
Company Name: Southern Co.  
Address:  
Page Quote Reference: Kevin Herring  
Project Manager  
Page Profile #:

REGULATORY AGENCY  
NPDES  GROUND WATER  DRINKING WATER  
UST  RCRA  OTHER   
Site Location: GA  
STATE:

ITEM #	Section D Required Client Information	Valid Matrix Codes	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives		Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	SAMPLE CONDITIONS				
			MATRIX CODE	SAMPLE TYPE			DATE	TIME					DATE	TIME	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>
1	GWC-7	WT G	6/19/20	1400	18	0										
2	GWC-10	WT G	6/19/20	1400												
3	GWC-19	WT G														
4	GWC-20	WT G														
5																
6																
7																
8																
9																
10																
11																
12																

Section E  
Relinquished By / Affiliation: *Chad Russo*  
Date: *6/19/2020*  
Time: *1045*

Section F  
Accepted By / Affiliation: *Kevin Herring*  
Date: *6/22/20*  
Time: *1045*

Section G  
Sampler Name and Signature: *Chad Russo*  
Print Name of Sampler: *Chad Russo*  
Signature of Sampler: *[Signature]*  
Date Signed (MM/DD/YY): *6/19/2020*

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.



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

**WO#: 92482800**

PM: KLH1 Due Date: 06/26/20  
 CLIENT: GA-GA Power

<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: Geosynthetic Contacts	<b>Section C</b> Invoice Information Attention: Southern Co. Company Name Address: Pace Quote Reference Pace Project Manager: Kevin Herring Pace Profile #
Email To: SCS Contacts Phone: <input type="checkbox"/> Fax: <input type="checkbox"/> Requested Due Date/AT: 5 Day	Purchase Order No.: Project Name: Hufferaker Semiannual Resampling Project Number: GW6581B	REGULATORY AGENCY: NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER 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 MATRIX CODE	Section E Valid Matrix Codes CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		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 Barium Calcium Chloride pH	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	pH pH = 6.43 pH = 7.61, 10.56 pH = 7.31 pH = 6.87
					DATE	TIME							
1	GW-C-7	WT G	WT G	G	6/19/20	10:52	19	1					
2	GW-C-10	WT G	WT G	G	6/19/20	11:25	19	1					
3	GW-C-19	WT G	WT G	G	6/19/20	14:25	19	1		X			
4	GW-C-20	WT G	WT G	G	6/19/20	12:51	19	1		X			
5	GW-C-8	WT G	WT G	G	6/19/20	14:45	19	1		X			
6													
7													
8													
9													
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.

Requester Name and Signature: SHAWN LIN  
 Date: 6/19/20

Accepted By/Affiliation: SHAWN LIN  
 Date: 6/19/20

Sampler Name and Signature: SHAWN LIN  
 Date Signed: 6/19/20  
 Initials: SL

Temp in °C: 39  
 Received on ice (Y/N): Y  
 Custody Sealed Cooler (Y/N): Y  
 Samples Intact (Y/N): Y

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.

October 19, 2020

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

RE: Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory between September 23, 2020 and September 29, 2020. 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

This report was revised 10/19/20 to correct a field pH result error made in the field.

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 Co. Services  
Nardos Tilahun, GeoSyntec

Dawit Yifru, Geosyntec Consultants, Inc.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

---

### **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

---

### **Pace Analytical Services Asheville**

2225 Riverside Drive, Asheville, NC 28804  
Florida/NELAP Certification #: E87648  
Massachusetts Certification #: M-NC030  
North Carolina Drinking Water Certification #: 37712

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

---

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

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

North Carolina Certification #: 381  
South Carolina Certification #: 98011001  
Virginia Certification #: 460204

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## SAMPLE SUMMARY

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92496914001	GWA-2	Water	09/21/20 15:22	09/23/20 09:35
92496914002	GWA-11	Water	09/22/20 16:12	09/23/20 09:35
92496914003	GWA-1	Water	09/23/20 10:26	09/24/20 10:25
92496914004	GWA-3	Water	09/23/20 11:23	09/24/20 10:25
92496914005	GWA-4	Water	09/23/20 10:06	09/24/20 10:25
92496914006	GWC-20	Water	09/23/20 11:49	09/24/20 10:25
92496914007	GWC-23	Water	09/23/20 16:30	09/24/20 10:25
92496914008	GWC-22	Water	09/23/20 16:16	09/24/20 10:25
92496914009	EB-01	Water	09/23/20 17:40	09/24/20 10:25
92496914010	FB-05	Water	09/23/20 17:35	09/24/20 10:25
92496914011	GWC-7	Water	09/24/20 14:06	09/25/20 10:45
92496914012	GWC-8	Water	09/24/20 13:50	09/25/20 10:45
92496914013	GWC-9	Water	09/24/20 12:04	09/25/20 10:45
92496914014	GWC-18	Water	09/24/20 10:05	09/25/20 10:45
92496914015	GWC-21	Water	09/24/20 11:22	09/25/20 10:45
92496914016	FD-05	Water	09/24/20 00:00	09/25/20 10:45
92496914017	GWC-5	Water	09/25/20 12:50	09/28/20 09:40
92496914018	GWC-6	Water	09/25/20 10:59	09/28/20 09:40
92496914019	GWC-10	Water	09/25/20 11:38	09/28/20 09:40
92496914020	GWC-19	Water	09/28/20 13:14	09/29/20 08:55

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92496914001	GWA-2	EPA 6010D	DRB	1
		EPA 6020B	CW1	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92496914002	GWA-11	EPA 6010D	DRB	1
		EPA 6020B	CW1	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92496914003	GWA-1	EPA 6010D	DRB	1
		EPA 6020B	KH	16
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92496914004	GWA-3	EPA 6010D	DRB	1
		EPA 6020B	KH	16
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92496914005	GWA-4	EPA 6010D	DRB	1
		EPA 6020B	KH	16
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92496914006	GWC-20	EPA 6010D	DRB	1
		EPA 6020B	KH	16
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92496914007	GWC-23	EPA 6010D	DRB	1
		EPA 6020B	KH	16
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92496914008	GWC-22	EPA 6010D	DRB	1
		EPA 6020B	KH	16
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92496914009	EB-01	EPA 6010D	DRB	1
		EPA 6020B	KH	16
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
92496914010	FB-05	EPA 6010D	DRB	1

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Lab ID	Sample ID	Method	Analysts	Analytes Reported
92496914011	GWC-7	EPA 6020B	KH	16
		SM 2450C-2011	JRS	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	16
		SM 2450C-2011	AW1	1
92496914012	GWC-8	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	16
		SM 2450C-2011	AW1	1
92496914013	GWC-9	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	16
		SM 2450C-2011	AW1	1
92496914014	GWC-18	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	16
		SM 2450C-2011	AW1	1
92496914015	GWC-21	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	16
		SM 2450C-2011	AW1	1
92496914016	FD-05	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	16
		SM 2450C-2011	AW1	1
92496914017	GWC-5	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	16
		SM 2450C-2011	AW1	1
92496914018	GWC-6	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	16
		SM 2450C-2011	AW1	1
92496914019	GWC-10	EPA 300.0 Rev 2.1 1993	BRJ	3
		EPA 6010D	DRB	1
		EPA 6020B	CW1	16

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE ANALYTE COUNT

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

Lab ID	Sample ID	Method	Analysts	Analytes Reported
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	3
<b>92496914020</b>	<b>GWC-19</b>	EPA 6010D	DRB	1
		EPA 6020B	KH	16
		SM 2450C-2011	AW1	1
		EPA 300.0 Rev 2.1 1993	BRJ	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92496914001</b>	<b>GWA-2</b>					
	pH	6.90	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	45.8	mg/L	1.0	09/25/20 22:20	
EPA 6020B	Barium	0.18	mg/L	0.010	09/30/20 19:26	
EPA 6020B	Boron	0.086J	mg/L	0.10	09/30/20 19:26	
SM 2450C-2011	Total Dissolved Solids	204	mg/L	10.0	09/24/20 10:28	
EPA 300.0 Rev 2.1 1993	Chloride	2.1	mg/L	1.0	09/27/20 01:38	
EPA 300.0 Rev 2.1 1993	Fluoride	0.12	mg/L	0.10	09/27/20 01:38	
EPA 300.0 Rev 2.1 1993	Sulfate	18.2	mg/L	1.0	09/27/20 01:38	
<b>92496914002</b>	<b>GWA-11</b>					
	pH	6.80	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	19.5	mg/L	1.0	09/25/20 22:24	
EPA 6020B	Barium	0.031	mg/L	0.010	09/30/20 19:43	
EPA 6020B	Boron	0.038J	mg/L	0.10	09/30/20 19:43	
EPA 6020B	Cobalt	0.00049J	mg/L	0.0050	09/30/20 19:43	
EPA 6020B	Nickel	0.0014J	mg/L	0.0050	09/30/20 19:43	
SM 2450C-2011	Total Dissolved Solids	107	mg/L	10.0	09/24/20 10:30	
EPA 300.0 Rev 2.1 1993	Chloride	1.0	mg/L	1.0	09/27/20 01:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.061J	mg/L	0.10	09/27/20 01:52	
EPA 300.0 Rev 2.1 1993	Sulfate	9.8	mg/L	1.0	09/27/20 01:52	
<b>92496914003</b>	<b>GWA-1</b>					
	pH	6.98	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	17.6	mg/L	1.0	09/30/20 22:12	
EPA 6020B	Barium	0.041	mg/L	0.010	10/01/20 16:27	
EPA 6020B	Boron	0.047J	mg/L	0.10	10/01/20 16:27	
EPA 6020B	Cobalt	0.00051J	mg/L	0.0050	10/01/20 16:27	
EPA 6020B	Zinc	0.0025J	mg/L	0.010	10/01/20 16:27	
SM 2450C-2011	Total Dissolved Solids	117	mg/L	10.0	09/28/20 11:55	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	09/29/20 02:23	
EPA 300.0 Rev 2.1 1993	Fluoride	0.089J	mg/L	0.10	09/29/20 02:23	
EPA 300.0 Rev 2.1 1993	Sulfate	6.6	mg/L	1.0	09/29/20 02:23	
<b>92496914004</b>	<b>GWA-3</b>					
	pH	6.87	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	76.2	mg/L	1.0	09/30/20 22:25	
EPA 6020B	Barium	0.14	mg/L	0.010	10/01/20 16:33	
EPA 6020B	Boron	0.15	mg/L	0.10	10/01/20 16:33	
SM 2450C-2011	Total Dissolved Solids	473	mg/L	10.0	09/28/20 11:55	
EPA 300.0 Rev 2.1 1993	Chloride	2.8	mg/L	1.0	09/29/20 02:37	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	09/29/20 02:37	
EPA 300.0 Rev 2.1 1993	Sulfate	95.6	mg/L	2.0	09/29/20 16:50	
<b>92496914005</b>	<b>GWA-4</b>					
	pH	6.81	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	74.9	mg/L	1.0	09/30/20 22:29	
EPA 6020B	Barium	0.043	mg/L	0.010	10/01/20 17:11	
EPA 6020B	Boron	0.087J	mg/L	0.10	10/01/20 17:11	
EPA 6020B	Nickel	0.00091J	mg/L	0.0050	10/01/20 17:11	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92496914005</b>	<b>GWA-4</b>					
EPA 6020B	Zinc	0.0025J	mg/L	0.010	10/01/20 17:11	
SM 2450C-2011	Total Dissolved Solids	421	mg/L	10.0	09/28/20 11:55	
EPA 300.0 Rev 2.1 1993	Chloride	4.2	mg/L	1.0	09/29/20 02:52	
EPA 300.0 Rev 2.1 1993	Fluoride	0.13	mg/L	0.10	09/29/20 02:52	
EPA 300.0 Rev 2.1 1993	Sulfate	123	mg/L	3.0	09/29/20 17:05	
<b>92496914006</b>	<b>GWC-20</b>					
	pH	7.11	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	55.8	mg/L	1.0	09/30/20 22:33	
EPA 6020B	Barium	0.13	mg/L	0.010	10/01/20 17:16	
EPA 6020B	Boron	0.018J	mg/L	0.10	10/01/20 17:16	
SM 2450C-2011	Total Dissolved Solids	277	mg/L	10.0	09/28/20 11:55	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	09/29/20 03:06	
EPA 300.0 Rev 2.1 1993	Fluoride	0.065J	mg/L	0.10	09/29/20 03:06	
EPA 300.0 Rev 2.1 1993	Sulfate	58.9	mg/L	1.0	09/29/20 03:06	
<b>92496914007</b>	<b>GWC-23</b>					
	pH	6.96	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	39.2	mg/L	1.0	09/30/20 22:38	
EPA 6020B	Barium	0.079	mg/L	0.010	10/01/20 17:22	
EPA 6020B	Boron	0.024J	mg/L	0.10	10/01/20 17:22	
EPA 6020B	Lead	0.00036J	mg/L	0.0050	10/01/20 17:22	
EPA 6020B	Nickel	0.00079J	mg/L	0.0050	10/01/20 17:22	
EPA 6020B	Zinc	0.0022J	mg/L	0.010	10/01/20 17:22	
SM 2450C-2011	Total Dissolved Solids	186	mg/L	10.0	09/28/20 11:55	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	09/29/20 03:21	
EPA 300.0 Rev 2.1 1993	Fluoride	0.088J	mg/L	0.10	09/29/20 03:21	
EPA 300.0 Rev 2.1 1993	Sulfate	5.3	mg/L	1.0	09/29/20 03:21	
<b>92496914008</b>	<b>GWC-22</b>					
	pH	7.42	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	45.9	mg/L	1.0	09/30/20 22:42	
EPA 6020B	Barium	0.10	mg/L	0.010	10/01/20 17:28	
EPA 6020B	Boron	0.061J	mg/L	0.10	10/01/20 17:28	
EPA 6020B	Lead	0.000066J	mg/L	0.0050	10/01/20 17:28	
SM 2450C-2011	Total Dissolved Solids	231	mg/L	10.0	09/28/20 11:55	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	09/29/20 03:35	
EPA 300.0 Rev 2.1 1993	Fluoride	0.073J	mg/L	0.10	09/29/20 03:35	
EPA 300.0 Rev 2.1 1993	Sulfate	5.0	mg/L	1.0	09/29/20 03:35	
<b>92496914011</b>	<b>GWC-7</b>					
	Performed by	CUSTOME			09/29/20 13:28	
		R				
	pH	6.32	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	39.5	mg/L	1.0	09/30/20 18:15	
EPA 6020B	Antimony	0.00080J	mg/L	0.0030	10/01/20 18:18	
EPA 6020B	Arsenic	0.0064	mg/L	0.0050	10/01/20 18:18	
EPA 6020B	Barium	0.11	mg/L	0.010	10/01/20 18:18	
EPA 6020B	Beryllium	0.000050J	mg/L	0.0030	10/01/20 18:18	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92496914011</b>	<b>GWC-7</b>					
EPA 6020B	Boron	0.045J	mg/L	0.10	10/01/20 18:18	
EPA 6020B	Cobalt	0.010	mg/L	0.0050	10/01/20 18:18	
EPA 6020B	Lead	0.000060J	mg/L	0.0050	10/01/20 18:18	
EPA 6020B	Nickel	0.042	mg/L	0.0050	10/01/20 18:18	
EPA 6020B	Zinc	0.070	mg/L	0.010	10/01/20 18:18	
SM 2450C-2011	Total Dissolved Solids	254	mg/L	10.0	09/30/20 09:27	
EPA 300.0 Rev 2.1 1993	Chloride	1.4	mg/L	1.0	09/29/20 12:01	
EPA 300.0 Rev 2.1 1993	Fluoride	0.14	mg/L	0.10	09/29/20 12:01	
EPA 300.0 Rev 2.1 1993	Sulfate	120	mg/L	3.0	09/29/20 19:01	
<b>92496914012</b>	<b>GWC-8</b>					
	Performed by	CUSTOME			09/29/20 13:28	
		R				
	pH	6.96	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	81.4	mg/L	1.0	09/30/20 18:19	
EPA 6020B	Antimony	0.0019J	mg/L	0.0030	10/01/20 18:41	
EPA 6020B	Arsenic	0.0043J	mg/L	0.0050	10/01/20 18:41	
EPA 6020B	Barium	0.14	mg/L	0.010	10/01/20 18:41	
EPA 6020B	Boron	0.055J	mg/L	0.10	10/01/20 18:41	
EPA 6020B	Cobalt	0.0011J	mg/L	0.0050	10/01/20 18:41	
EPA 6020B	Lead	0.000049J	mg/L	0.0050	10/01/20 18:41	
EPA 6020B	Nickel	0.0010J	mg/L	0.0050	10/01/20 18:41	B
SM 2450C-2011	Total Dissolved Solids	307	mg/L	10.0	09/30/20 09:27	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	09/29/20 12:15	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	09/29/20 12:15	
EPA 300.0 Rev 2.1 1993	Sulfate	48.3	mg/L	1.0	09/29/20 12:15	
<b>92496914013</b>	<b>GWC-9</b>					
	Performed by	CUSTOME			09/29/20 13:28	
		R				
	pH	6.75	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	35.9	mg/L	1.0	09/30/20 18:24	
EPA 6020B	Antimony	0.00056J	mg/L	0.0030	10/01/20 18:47	
EPA 6020B	Barium	0.060	mg/L	0.010	10/01/20 18:47	
EPA 6020B	Boron	0.016J	mg/L	0.10	10/01/20 18:47	
EPA 6020B	Nickel	0.0024J	mg/L	0.0050	10/01/20 18:47	B
SM 2450C-2011	Total Dissolved Solids	179	mg/L	10.0	09/30/20 09:27	
EPA 300.0 Rev 2.1 1993	Chloride	0.82J	mg/L	1.0	09/29/20 12:30	
EPA 300.0 Rev 2.1 1993	Fluoride	0.076J	mg/L	0.10	09/29/20 12:30	
EPA 300.0 Rev 2.1 1993	Sulfate	69.9	mg/L	1.0	09/29/20 12:30	
<b>92496914014</b>	<b>GWC-18</b>					
	Performed by	CUSTOME			09/29/20 13:28	
		R				
	pH	7.62	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	36.9	mg/L	1.0	10/01/20 16:27	M1
EPA 6020B	Antimony	0.00033J	mg/L	0.0030	10/01/20 18:53	
EPA 6020B	Barium	0.079	mg/L	0.010	10/01/20 18:53	
EPA 6020B	Boron	0.13	mg/L	0.10	10/01/20 18:53	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

Lab Sample ID	Client Sample ID	Result	Units	Report Limit	Analyzed	Qualifiers
Method	Parameters					
<b>92496914014</b>	<b>GWC-18</b>					
EPA 6020B	Lead	0.000040J	mg/L	0.0050	10/01/20 18:53	
EPA 6020B	Nickel	0.0011J	mg/L	0.0050	10/01/20 18:53	B
SM 2450C-2011	Total Dissolved Solids	181	mg/L	10.0	09/30/20 09:27	
EPA 300.0 Rev 2.1 1993	Chloride	0.94J	mg/L	1.0	09/29/20 13:13	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	09/29/20 13:13	
EPA 300.0 Rev 2.1 1993	Sulfate	8.5	mg/L	1.0	09/29/20 13:13	
<b>92496914015</b>	<b>GWC-21</b>					
	Performed by	CUSTOMER			09/29/20 13:28	
	pH	7.12	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	73.4	mg/L	1.0	10/01/20 17:41	
EPA 6020B	Arsenic	0.0011J	mg/L	0.0050	10/01/20 18:58	
EPA 6020B	Barium	0.19	mg/L	0.010	10/01/20 18:58	
EPA 6020B	Boron	0.061J	mg/L	0.10	10/01/20 18:58	
EPA 6020B	Cobalt	0.00068J	mg/L	0.0050	10/01/20 18:58	
EPA 6020B	Lead	0.00012J	mg/L	0.0050	10/01/20 18:58	
EPA 6020B	Nickel	0.0068	mg/L	0.0050	10/01/20 18:58	B
EPA 6020B	Zinc	0.0046J	mg/L	0.010	10/01/20 18:58	
SM 2450C-2011	Total Dissolved Solids	286	mg/L	10.0	09/30/20 09:28	
EPA 300.0 Rev 2.1 1993	Chloride	1.8	mg/L	1.0	09/29/20 13:28	
EPA 300.0 Rev 2.1 1993	Fluoride	0.10	mg/L	0.10	09/29/20 13:28	
EPA 300.0 Rev 2.1 1993	Sulfate	37.6	mg/L	1.0	09/29/20 13:28	
<b>92496914016</b>	<b>FD-05</b>					
EPA 6010D	Calcium	78.6	mg/L	1.0	10/01/20 17:45	
EPA 6020B	Arsenic	0.0039J	mg/L	0.0050	10/01/20 19:16	
EPA 6020B	Barium	0.14	mg/L	0.010	10/01/20 19:16	
EPA 6020B	Boron	0.050J	mg/L	0.10	10/03/20 11:18	
EPA 6020B	Cobalt	0.00098J	mg/L	0.0050	10/01/20 19:16	
EPA 6020B	Nickel	0.00093J	mg/L	0.0050	10/01/20 19:16	B
SM 2450C-2011	Total Dissolved Solids	298	mg/L	10.0	09/30/20 09:28	
EPA 300.0 Rev 2.1 1993	Chloride	2.2	mg/L	1.0	09/29/20 13:42	
EPA 300.0 Rev 2.1 1993	Fluoride	0.15	mg/L	0.10	09/29/20 13:42	
EPA 300.0 Rev 2.1 1993	Sulfate	48.1	mg/L	1.0	09/29/20 13:42	
<b>92496914017</b>	<b>GWC-5</b>					
	Performed by	CUSTOMER			09/29/20 13:28	
	pH	6.82	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	77.1	mg/L	1.0	10/02/20 20:03	
EPA 6020B	Antimony	0.00052J	mg/L	0.0030	10/03/20 16:20	
EPA 6020B	Barium	0.074	mg/L	0.010	10/03/20 16:20	
EPA 6020B	Boron	0.080J	mg/L	0.10	10/03/20 16:20	
EPA 6020B	Cobalt	0.00057J	mg/L	0.0050	10/03/20 16:20	
EPA 6020B	Nickel	0.00078J	mg/L	0.0050	10/03/20 16:20	
SM 2450C-2011	Total Dissolved Solids	367	mg/L	10.0	10/01/20 15:24	
EPA 300.0 Rev 2.1 1993	Chloride	2.3	mg/L	1.0	10/01/20 13:24	
EPA 300.0 Rev 2.1 1993	Fluoride	0.058J	mg/L	0.10	10/01/20 13:24	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92496914017</b>	<b>GWC-5</b>					
EPA 300.0 Rev 2.1 1993	Sulfate	80.7	mg/L	1.0	10/01/20 13:24	
<b>92496914018</b>	<b>GWC-6</b>					
	Performed by	CUSTOME R			09/29/20 13:28	
	pH	6.96	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	71.3	mg/L	1.0	10/02/20 20:07	
EPA 6020B	Barium	0.16	mg/L	0.010	10/03/20 16:25	
EPA 6020B	Boron	0.047J	mg/L	0.10	10/03/20 16:25	
SM 2450C-2011	Total Dissolved Solids	345	mg/L	10.0	10/01/20 15:25	
EPA 300.0 Rev 2.1 1993	Chloride	1.6	mg/L	1.0	10/01/20 13:39	
EPA 300.0 Rev 2.1 1993	Fluoride	0.063J	mg/L	0.10	10/01/20 13:39	M1
EPA 300.0 Rev 2.1 1993	Sulfate	110	mg/L	2.0	10/01/20 19:51	
<b>92496914019</b>	<b>GWC-10</b>					
	Performed by	CUSTOME R			09/29/20 13:28	
	pH	7.28	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	39.4	mg/L	1.0	10/02/20 20:11	
EPA 6020B	Barium	0.11	mg/L	0.010	10/03/20 16:31	
EPA 6020B	Boron	0.036J	mg/L	0.10	10/03/20 16:31	
SM 2450C-2011	Total Dissolved Solids	153	mg/L	10.0	10/01/20 15:25	
EPA 300.0 Rev 2.1 1993	Chloride	1.1	mg/L	1.0	10/01/20 14:24	
EPA 300.0 Rev 2.1 1993	Fluoride	0.085J	mg/L	0.10	10/01/20 14:24	
EPA 300.0 Rev 2.1 1993	Sulfate	11.6	mg/L	1.0	10/01/20 14:24	
<b>92496914020</b>	<b>GWC-19</b>					
	Performed by	CUSTOME R			09/29/20 13:28	
	pH	7.78	Std. Units		09/29/20 13:28	
EPA 6010D	Calcium	44.7	mg/L	1.0	10/05/20 19:19	
EPA 6020B	Barium	0.15	mg/L	0.010	10/06/20 17:33	
EPA 6020B	Beryllium	0.00010J	mg/L	0.0030	10/06/20 17:33	
EPA 6020B	Boron	0.17	mg/L	0.10	10/06/20 17:33	
EPA 6020B	Chromium	0.00063J	mg/L	0.010	10/06/20 17:33	
EPA 6020B	Lead	0.00014J	mg/L	0.0050	10/06/20 17:33	
EPA 6020B	Zinc	0.0033J	mg/L	0.010	10/06/20 17:33	
SM 2450C-2011	Total Dissolved Solids	214	mg/L	10.0	10/01/20 15:27	
EPA 300.0 Rev 2.1 1993	Chloride	1.3	mg/L	1.0	10/01/20 14:39	
EPA 300.0 Rev 2.1 1993	Fluoride	0.11	mg/L	0.10	10/01/20 14:39	
EPA 300.0 Rev 2.1 1993	Sulfate	15.8	mg/L	1.0	10/01/20 14:39	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: GWA-2		Lab ID: 92496914001		Collected: 09/21/20 15:22		Received: 09/23/20 09:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.90	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	45.8	mg/L	1.0	0.070	1	09/24/20 14:20	09/25/20 22:20	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	09/29/20 14:13	09/30/20 19:26	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/29/20 14:13	09/30/20 19:26	7440-38-2	
Barium	0.18	mg/L	0.010	0.00071	1	09/29/20 14:13	09/30/20 19:26	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/29/20 14:13	09/30/20 19:26	7440-41-7	
Boron	0.086J	mg/L	0.10	0.0052	1	09/29/20 14:13	09/30/20 19:26	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/29/20 14:13	09/30/20 19:26	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/29/20 14:13	09/30/20 19:26	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/29/20 14:13	09/30/20 19:26	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/29/20 14:13	09/30/20 19:26	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/29/20 14:13	09/30/20 19:26	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	09/29/20 14:13	09/30/20 19:26	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/29/20 14:13	09/30/20 19:26	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/29/20 14:13	09/30/20 19:26	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/29/20 14:13	09/30/20 19:26	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/29/20 14:13	09/30/20 19:26	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	09/29/20 14:13	09/30/20 19:26	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	204	mg/L	10.0	10.0	1		09/24/20 10:28		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.1	mg/L	1.0	0.60	1		09/27/20 01:38	16887-00-6	
Fluoride	0.12	mg/L	0.10	0.050	1		09/27/20 01:38	16984-48-8	
Sulfate	18.2	mg/L	1.0	0.50	1		09/27/20 01:38	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: GWA-11		Lab ID: 92496914002		Collected: 09/22/20 16:12		Received: 09/23/20 09:35		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.80	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	19.5	mg/L	1.0	0.070	1	09/24/20 14:20	09/25/20 22:24	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	09/29/20 14:13	09/30/20 19:43	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/29/20 14:13	09/30/20 19:43	7440-38-2	
Barium	0.031	mg/L	0.010	0.00071	1	09/29/20 14:13	09/30/20 19:43	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/29/20 14:13	09/30/20 19:43	7440-41-7	
Boron	0.038J	mg/L	0.10	0.0052	1	09/29/20 14:13	09/30/20 19:43	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/29/20 14:13	09/30/20 19:43	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/29/20 14:13	09/30/20 19:43	7440-47-3	
Cobalt	0.00049J	mg/L	0.0050	0.00038	1	09/29/20 14:13	09/30/20 19:43	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/29/20 14:13	09/30/20 19:43	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/29/20 14:13	09/30/20 19:43	7439-92-1	
Nickel	0.0014J	mg/L	0.0050	0.00069	1	09/29/20 14:13	09/30/20 19:43	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/29/20 14:13	09/30/20 19:43	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/29/20 14:13	09/30/20 19:43	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/29/20 14:13	09/30/20 19:43	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/29/20 14:13	09/30/20 19:43	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	09/29/20 14:13	09/30/20 19:43	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	107	mg/L	10.0	10.0	1		09/24/20 10:30		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.0	mg/L	1.0	0.60	1		09/27/20 01:52	16887-00-6	
Fluoride	0.061J	mg/L	0.10	0.050	1		09/27/20 01:52	16984-48-8	
Sulfate	9.8	mg/L	1.0	0.50	1		09/27/20 01:52	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: GWA-1		Lab ID: 92496914003		Collected: 09/23/20 10:26		Received: 09/24/20 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.98	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	17.6	mg/L	1.0	0.070	1	09/28/20 15:51	09/30/20 22:12	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	09/30/20 14:00	10/01/20 16:27	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 16:27	7440-38-2	
Barium	0.041	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 16:27	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 16:27	7440-41-7	
Boron	0.047J	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 16:27	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 16:27	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 16:27	7440-47-3	
Cobalt	0.00051J	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 16:27	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 16:27	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 16:27	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 16:27	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 16:27	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 16:27	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 16:27	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 16:27	7440-62-2	
Zinc	0.0025J	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 16:27	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	117	mg/L	10.0	10.0	1		09/28/20 11:55		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.6	mg/L	1.0	0.60	1		09/29/20 02:23	16887-00-6	
Fluoride	0.089J	mg/L	0.10	0.050	1		09/29/20 02:23	16984-48-8	
Sulfate	6.6	mg/L	1.0	0.50	1		09/29/20 02:23	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: GWA-3		Lab ID: 92496914004		Collected: 09/23/20 11:23		Received: 09/24/20 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.87	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	76.2	mg/L	1.0	0.070	1	09/28/20 15:51	09/30/20 22:25	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	09/30/20 14:00	10/01/20 16:33	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 16:33	7440-38-2	
Barium	0.14	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 16:33	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 16:33	7440-41-7	
Boron	0.15	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 16:33	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 16:33	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 16:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 16:33	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 16:33	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 16:33	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 16:33	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 16:33	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 16:33	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 16:33	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 16:33	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 16:33	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	473	mg/L	10.0	10.0	1		09/28/20 11:55		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	2.8	mg/L	1.0	0.60	1		09/29/20 02:37	16887-00-6	
Fluoride	0.11	mg/L	0.10	0.050	1		09/29/20 02:37	16984-48-8	
Sulfate	95.6	mg/L	2.0	1.0	2		09/29/20 16:50	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: GWA-4      Lab ID: 92496914005      Collected: 09/23/20 10:06      Received: 09/24/20 10:25      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	6.81	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	74.9	mg/L	1.0	0.070	1	09/28/20 15:51	09/30/20 22:29	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	0.00028	1	09/30/20 14:00	10/01/20 17:11	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 17:11	7440-38-2	
Barium	0.043	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 17:11	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 17:11	7440-41-7	
Boron	0.087J	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 17:11	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 17:11	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 17:11	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 17:11	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 17:11	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 17:11	7439-92-1	
Nickel	0.00091J	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 17:11	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 17:11	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 17:11	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 17:11	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 17:11	7440-62-2	
Zinc	0.0025J	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 17:11	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	421	mg/L	10.0	10.0	1		09/28/20 11:55		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	4.2	mg/L	1.0	0.60	1		09/29/20 02:52	16887-00-6	
Fluoride	0.13	mg/L	0.10	0.050	1		09/29/20 02:52	16984-48-8	
Sulfate	123	mg/L	3.0	1.5	3		09/29/20 17:05	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: GWC-20		Lab ID: 92496914006		Collected: 09/23/20 11:49		Received: 09/24/20 10:25		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	7.11	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	55.8	mg/L	1.0	0.070	1	09/28/20 15:51	09/30/20 22:33	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	0.00028	1	09/30/20 14:00	10/01/20 17:16	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 17:16	7440-38-2	
Barium	0.13	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 17:16	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 17:16	7440-41-7	
Boron	0.018J	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 17:16	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 17:16	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 17:16	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 17:16	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 17:16	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 17:16	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 17:16	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 17:16	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 17:16	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 17:16	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 17:16	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 17:16	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	277	mg/L	10.0	10.0	1		09/28/20 11:55		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993									
Pace Analytical Services - Asheville									
Chloride	1.1	mg/L	1.0	0.60	1		09/29/20 03:06	16887-00-6	
Fluoride	0.065J	mg/L	0.10	0.050	1		09/29/20 03:06	16984-48-8	
Sulfate	58.9	mg/L	1.0	0.50	1		09/29/20 03:06	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: <b>GWC-23</b> Lab ID: <b>92496914007</b> Collected: 09/23/20 16:30      Received: 09/24/20 10:25      Matrix: Water									
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	<b>6.96</b>	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>39.2</b>	mg/L	1.0	0.070	1	09/28/20 15:51	09/30/20 22:38	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	09/30/20 14:00	10/01/20 17:22	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 17:22	7440-38-2	
Barium	<b>0.079</b>	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 17:22	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 17:22	7440-41-7	
Boron	<b>0.024J</b>	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 17:22	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 17:22	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 17:22	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 17:22	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 17:22	7440-50-8	
Lead	<b>0.00036J</b>	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 17:22	7439-92-1	
Nickel	<b>0.00079J</b>	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 17:22	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 17:22	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 17:22	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 17:22	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 17:22	7440-62-2	
Zinc	<b>0.0022J</b>	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 17:22	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>186</b>	mg/L	10.0	10.0	1		09/28/20 11:55		
<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		09/29/20 03:21	16887-00-6	
Fluoride	<b>0.088J</b>	mg/L	0.10	0.050	1		09/29/20 03:21	16984-48-8	
Sulfate	<b>5.3</b>	mg/L	1.0	0.50	1		09/29/20 03:21	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: <b>GWC-22</b>		Lab ID: <b>92496914008</b>		Collected: 09/23/20 16:16	Received: 09/24/20 10:25	Matrix: Water			
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
<b>Field Data</b>									
Analytical Method: Pace Analytical Services - Charlotte									
pH	<b>7.42</b>	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A									
Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>45.9</b>	mg/L	1.0	0.070	1	09/28/20 15:51	09/30/20 22:42	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	09/30/20 14:00	10/01/20 17:28	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 17:28	7440-38-2	
Barium	<b>0.10</b>	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 17:28	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 17:28	7440-41-7	
Boron	<b>0.061J</b>	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 17:28	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 17:28	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 17:28	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 17:28	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 17:28	7440-50-8	
Lead	<b>0.000066J</b>	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 17:28	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 17:28	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 17:28	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 17:28	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 17:28	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 17:28	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 17:28	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011									
Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>231</b>	mg/L	10.0	10.0	1		09/28/20 11:55		
<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		09/29/20 03:35	16887-00-6	
Fluoride	<b>0.073J</b>	mg/L	0.10	0.050	1		09/29/20 03:35	16984-48-8	
Sulfate	<b>5.0</b>	mg/L	1.0	0.50	1		09/29/20 03:35	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: EB-01		Lab ID: 92496914009		Collected: 09/23/20 17:40		Received: 09/24/20 10:25		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	ND	mg/L	1.0	0.070	1	09/28/20 15:51	09/30/20 22:51	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	09/30/20 14:00	10/01/20 17:57	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 17:57	7440-38-2		
Barium	ND	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 17:57	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 17:57	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 17:57	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 17:57	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 17:57	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 17:57	7440-48-4		
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 17:57	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 17:57	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 17:57	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 17:57	7782-49-2		
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 17:57	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 17:57	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 17:57	7440-62-2		
Zinc	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 17:57	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		09/28/20 11:55			
<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		09/29/20 03:50	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/29/20 03:50	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/29/20 03:50	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: <b>FB-05</b>		Lab ID: <b>92496914010</b>		Collected: 09/23/20 17:35	Received: 09/24/20 10:25	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	ND	mg/L	1.0	0.070	1	09/28/20 15:51	09/30/20 22:55	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	0.00028	1	09/30/20 14:00	10/01/20 18:03	7440-36-0		
Arsenic	ND	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 18:03	7440-38-2		
Barium	ND	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 18:03	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 18:03	7440-41-7		
Boron	ND	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 18:03	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 18:03	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 18:03	7440-47-3		
Cobalt	ND	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 18:03	7440-48-4		
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 18:03	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 18:03	7439-92-1		
Nickel	ND	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 18:03	7440-02-0		
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 18:03	7782-49-2		
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 18:03	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 18:03	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:03	7440-62-2		
Zinc	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:03	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		09/28/20 11:55			
<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		09/29/20 05:02	16887-00-6		
Fluoride	ND	mg/L	0.10	0.050	1		09/29/20 05:02	16984-48-8		
Sulfate	ND	mg/L	1.0	0.50	1		09/29/20 05:02	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: <b>GWC-7</b> Lab ID: <b>92496914011</b> Collected: 09/24/20 14:06      Received: 09/25/20 10:45      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		09/29/20 13:28		
pH	<b>6.32</b>	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>39.5</b>	mg/L	1.0	0.070	1	09/29/20 18:42	09/30/20 18:15	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.00080J</b>	mg/L	0.0030	0.00028	1	09/30/20 14:00	10/01/20 18:18	7440-36-0	
Arsenic	<b>0.0064</b>	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 18:18	7440-38-2	
Barium	<b>0.11</b>	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 18:18	7440-39-3	
Beryllium	<b>0.000050J</b>	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 18:18	7440-41-7	
Boron	<b>0.045J</b>	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 18:18	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 18:18	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 18:18	7440-47-3	
Cobalt	<b>0.010</b>	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 18:18	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 18:18	7440-50-8	
Lead	<b>0.000060J</b>	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 18:18	7439-92-1	
Nickel	<b>0.042</b>	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 18:18	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 18:18	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 18:18	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 18:18	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:18	7440-62-2	
Zinc	<b>0.070</b>	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:18	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>254</b>	mg/L	10.0	10.0	1		09/30/20 09:27		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>1.4</b>	mg/L	1.0	0.60	1		09/29/20 12:01	16887-00-6	
Fluoride	<b>0.14</b>	mg/L	0.10	0.050	1		09/29/20 12:01	16984-48-8	
Sulfate	<b>120</b>	mg/L	3.0	1.5	3		09/29/20 19:01	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: <b>GWC-8</b> Lab ID: <b>92496914012</b> Collected: 09/24/20 13:50      Received: 09/25/20 10:45      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		09/29/20 13:28		
pH	<b>6.96</b>	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>81.4</b>	mg/L	1.0	0.070	1	09/29/20 18:42	09/30/20 18:19	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B      Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.0019J</b>	mg/L	0.0030	0.00028	1	09/30/20 14:00	10/01/20 18:41	7440-36-0	
Arsenic	<b>0.0043J</b>	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 18:41	7440-38-2	
Barium	<b>0.14</b>	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 18:41	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 18:41	7440-41-7	
Boron	<b>0.055J</b>	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 18:41	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 18:41	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 18:41	7440-47-3	
Cobalt	<b>0.0011J</b>	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 18:41	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 18:41	7440-50-8	
Lead	<b>0.000049J</b>	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 18:41	7439-92-1	
Nickel	<b>0.0010J</b>	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 18:41	7440-02-0	B
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 18:41	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 18:41	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 18:41	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:41	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:41	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>307</b>	mg/L	10.0	10.0	1		09/30/20 09:27		
<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		09/29/20 12:15	16887-00-6	
Fluoride	<b>0.15</b>	mg/L	0.10	0.050	1		09/29/20 12:15	16984-48-8	
Sulfate	<b>48.3</b>	mg/L	1.0	0.50	1		09/29/20 12:15	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: <b>GWC-9</b>	Lab ID: <b>92496914013</b>	Collected: 09/24/20 12:04	Received: 09/25/20 10:45	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		09/29/20 13:28		
pH	<b>6.75</b>	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>35.9</b>	mg/L	1.0	0.070	1	09/29/20 18:42	09/30/20 18:24	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.00056J</b>	mg/L	0.0030	0.00028	1	09/30/20 14:00	10/01/20 18:47	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 18:47	7440-38-2	
Barium	<b>0.060</b>	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 18:47	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 18:47	7440-41-7	
Boron	<b>0.016J</b>	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 18:47	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 18:47	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 18:47	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 18:47	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 18:47	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 18:47	7439-92-1	
Nickel	<b>0.0024J</b>	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 18:47	7440-02-0	B
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 18:47	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 18:47	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 18:47	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:47	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:47	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>179</b>	mg/L	10.0	10.0	1		09/30/20 09:27		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>0.82J</b>	mg/L	1.0	0.60	1		09/29/20 12:30	16887-00-6	
Fluoride	<b>0.076J</b>	mg/L	0.10	0.050	1		09/29/20 12:30	16984-48-8	
Sulfate	<b>69.9</b>	mg/L	1.0	0.50	1		09/29/20 12:30	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: <b>GWC-18</b> Lab ID: <b>92496914014</b> Collected: 09/24/20 10:05      Received: 09/25/20 10:45      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		09/29/20 13:28		
pH	<b>7.62</b>	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>36.9</b>	mg/L	1.0	0.070	1	09/29/20 18:44	10/01/20 16:27	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>0.00033J</b>	mg/L	0.0030	0.00028	1	09/30/20 14:00	10/01/20 18:53	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 18:53	7440-38-2	
Barium	<b>0.079</b>	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 18:53	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 18:53	7440-41-7	
Boron	<b>0.13</b>	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 18:53	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 18:53	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 18:53	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 18:53	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 18:53	7440-50-8	
Lead	<b>0.000040J</b>	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 18:53	7439-92-1	
Nickel	<b>0.0011J</b>	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 18:53	7440-02-0	B
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 18:53	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 18:53	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 18:53	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:53	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:53	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>181</b>	mg/L	10.0	10.0	1		09/30/20 09:27		
<b>300.0 IC Anions 28 Days</b>									
Analytical Method: EPA 300.0 Rev 2.1 1993 Pace Analytical Services - Asheville									
Chloride	<b>0.94J</b>	mg/L	1.0	0.60	1		09/29/20 13:13	16887-00-6	
Fluoride	<b>0.11</b>	mg/L	0.10	0.050	1		09/29/20 13:13	16984-48-8	
Sulfate	<b>8.5</b>	mg/L	1.0	0.50	1		09/29/20 13:13	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: <b>GWC-21</b> Lab ID: <b>92496914015</b> Collected: 09/24/20 11:22      Received: 09/25/20 10:45      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		09/29/20 13:28		
pH	<b>7.12</b>	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D      Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>73.4</b>	mg/L	1.0	0.070	1	09/29/20 18:44	10/01/20 17:41	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	09/30/20 14:00	10/01/20 18:58	7440-36-0	
Arsenic	<b>0.0011J</b>	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 18:58	7440-38-2	
Barium	<b>0.19</b>	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 18:58	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 18:58	7440-41-7	
Boron	<b>0.061J</b>	mg/L	0.10	0.0052	1	09/30/20 14:00	10/01/20 18:58	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 18:58	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 18:58	7440-47-3	
Cobalt	<b>0.00068J</b>	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 18:58	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 18:58	7440-50-8	
Lead	<b>0.00012J</b>	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 18:58	7439-92-1	
Nickel	<b>0.0068</b>	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 18:58	7440-02-0	B
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 18:58	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 18:58	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 18:58	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:58	7440-62-2	
Zinc	<b>0.0046J</b>	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 18:58	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>286</b>	mg/L	10.0	10.0	1		09/30/20 09:28		
<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		09/29/20 13:28	16887-00-6	
Fluoride	<b>0.10</b>	mg/L	0.10	0.050	1		09/29/20 13:28	16984-48-8	
Sulfate	<b>37.6</b>	mg/L	1.0	0.50	1		09/29/20 13:28	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: FD-05		Lab ID: 92496914016		Collected: 09/24/20 00:00	Received: 09/25/20 10:45	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>78.6</b>	mg/L	1.0	0.070	1	09/29/20 18:44	10/01/20 17:45	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	0.00028	1	09/30/20 14:00	10/01/20 19:16	7440-36-0		
Arsenic	<b>0.0039J</b>	mg/L	0.0050	0.00078	1	09/30/20 14:00	10/01/20 19:16	7440-38-2		
Barium	<b>0.14</b>	mg/L	0.010	0.00071	1	09/30/20 14:00	10/01/20 19:16	7440-39-3		
Beryllium	ND	mg/L	0.0030	0.000046	1	09/30/20 14:00	10/01/20 19:16	7440-41-7		
Boron	<b>0.050J</b>	mg/L	0.10	0.0052	1	09/30/20 14:00	10/03/20 11:18	7440-42-8		
Cadmium	ND	mg/L	0.0025	0.00012	1	09/30/20 14:00	10/01/20 19:16	7440-43-9		
Chromium	ND	mg/L	0.010	0.00055	1	09/30/20 14:00	10/01/20 19:16	7440-47-3		
Cobalt	<b>0.00098J</b>	mg/L	0.0050	0.00038	1	09/30/20 14:00	10/01/20 19:16	7440-48-4		
Copper	ND	mg/L	0.0050	0.0017	1	09/30/20 14:00	10/01/20 19:16	7440-50-8		
Lead	ND	mg/L	0.0050	0.000036	1	09/30/20 14:00	10/01/20 19:16	7439-92-1		
Nickel	<b>0.00093J</b>	mg/L	0.0050	0.00069	1	09/30/20 14:00	10/01/20 19:16	7440-02-0	B	
Selenium	ND	mg/L	0.010	0.0016	1	09/30/20 14:00	10/01/20 19:16	7782-49-2		
Silver	ND	mg/L	0.0050	0.00036	1	09/30/20 14:00	10/01/20 19:16	7440-22-4		
Thallium	ND	mg/L	0.0010	0.00014	1	09/30/20 14:00	10/01/20 19:16	7440-28-0		
Vanadium	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 19:16	7440-62-2		
Zinc	ND	mg/L	0.010	0.0022	1	09/30/20 14:00	10/01/20 19:16	7440-66-6		
<b>2540C Total Dissolved Solids</b>		Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA								
Total Dissolved Solids	<b>298</b>	mg/L	10.0	10.0	1		09/30/20 09:28			
<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		09/29/20 13:42	16887-00-6		
Fluoride	<b>0.15</b>	mg/L	0.10	0.050	1		09/29/20 13:42	16984-48-8		
Sulfate	<b>48.1</b>	mg/L	1.0	0.50	1		09/29/20 13:42	14808-79-8		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

Sample: GWC-5		Lab ID: 92496914017		Collected: 09/25/20 12:50		Received: 09/28/20 09:40		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		09/29/20 13:28		
pH	<b>6.82</b>	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>77.1</b>	mg/L	1.0	0.070	1	10/01/20 15:00	10/02/20 20:03	7440-70-2	
<b>6020 MET ICPMS</b>									
Analytical Method: EPA 6020B Preparation Method: EPA 3005A Pace Analytical Services - Peachtree Corners, GA									
Antimony	<b>0.00052J</b>	mg/L	0.0030	0.00028	1	10/01/20 19:00	10/03/20 16:20	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	10/01/20 19:00	10/03/20 16:20	7440-38-2	
Barium	<b>0.074</b>	mg/L	0.010	0.00071	1	10/01/20 19:00	10/03/20 16:20	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	10/01/20 19:00	10/03/20 16:20	7440-41-7	
Boron	<b>0.080J</b>	mg/L	0.10	0.0052	1	10/01/20 19:00	10/03/20 16:20	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	10/01/20 19:00	10/03/20 16:20	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	10/01/20 19:00	10/03/20 16:20	7440-47-3	
Cobalt	<b>0.00057J</b>	mg/L	0.0050	0.00038	1	10/01/20 19:00	10/03/20 16:20	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	10/01/20 19:00	10/03/20 16:20	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	10/01/20 19:00	10/03/20 16:20	7439-92-1	
Nickel	<b>0.00078J</b>	mg/L	0.0050	0.00069	1	10/01/20 19:00	10/03/20 16:20	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	10/01/20 19:00	10/03/20 16:20	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	10/01/20 19:00	10/03/20 16:20	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	10/01/20 19:00	10/03/20 16:20	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	10/01/20 19:00	10/03/20 16:20	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	10/01/20 19:00	10/03/20 16:20	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>367</b>	mg/L	10.0	10.0	1		10/01/20 15:24		
<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		10/01/20 13:24	16887-00-6	
Fluoride	<b>0.058J</b>	mg/L	0.10	0.050	1		10/01/20 13:24	16984-48-8	
Sulfate	<b>80.7</b>	mg/L	1.0	0.50	1		10/01/20 13:24	14808-79-8	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

Sample: GWC-6		Lab ID: 92496914018		Collected: 09/25/20 10:59		Received: 09/28/20 09:40		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		09/29/20 13:28		
pH	<b>6.96</b>	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>71.3</b>	mg/L	1.0	0.070	1	10/01/20 15:00	10/02/20 20:07	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	10/01/20 19:00	10/03/20 16:25	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	10/01/20 19:00	10/03/20 16:25	7440-38-2	
Barium	<b>0.16</b>	mg/L	0.010	0.00071	1	10/01/20 19:00	10/03/20 16:25	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	10/01/20 19:00	10/03/20 16:25	7440-41-7	
Boron	<b>0.047J</b>	mg/L	0.10	0.0052	1	10/01/20 19:00	10/03/20 16:25	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	10/01/20 19:00	10/03/20 16:25	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	10/01/20 19:00	10/03/20 16:25	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/01/20 19:00	10/03/20 16:25	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	10/01/20 19:00	10/03/20 16:25	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	10/01/20 19:00	10/03/20 16:25	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	10/01/20 19:00	10/03/20 16:25	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	10/01/20 19:00	10/03/20 16:25	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	10/01/20 19:00	10/03/20 16:25	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	10/01/20 19:00	10/03/20 16:25	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	10/01/20 19:00	10/03/20 16:25	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	10/01/20 19:00	10/03/20 16:25	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>345</b>	mg/L	10.0	10.0	1		10/01/20 15:25		
<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		10/01/20 13:39	16887-00-6	
Fluoride	<b>0.063J</b>	mg/L	0.10	0.050	1		10/01/20 13:39	16984-48-8	M1
Sulfate	<b>110</b>	mg/L	2.0	1.0	2		10/01/20 19:51	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: GWC-10		Lab ID: 92496914019		Collected: 09/25/20 11:38		Received: 09/28/20 09:40		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		09/29/20 13:28		
pH	<b>7.28</b>	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>39.4</b>	mg/L	1.0	0.070	1	10/01/20 15:00	10/02/20 20:11	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	10/01/20 19:00	10/03/20 16:31	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	10/01/20 19:00	10/03/20 16:31	7440-38-2	
Barium	<b>0.11</b>	mg/L	0.010	0.00071	1	10/01/20 19:00	10/03/20 16:31	7440-39-3	
Beryllium	ND	mg/L	0.0030	0.000046	1	10/01/20 19:00	10/03/20 16:31	7440-41-7	
Boron	<b>0.036J</b>	mg/L	0.10	0.0052	1	10/01/20 19:00	10/03/20 16:31	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	10/01/20 19:00	10/03/20 16:31	7440-43-9	
Chromium	ND	mg/L	0.010	0.00055	1	10/01/20 19:00	10/03/20 16:31	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/01/20 19:00	10/03/20 16:31	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	10/01/20 19:00	10/03/20 16:31	7440-50-8	
Lead	ND	mg/L	0.0050	0.000036	1	10/01/20 19:00	10/03/20 16:31	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	10/01/20 19:00	10/03/20 16:31	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	10/01/20 19:00	10/03/20 16:31	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	10/01/20 19:00	10/03/20 16:31	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	10/01/20 19:00	10/03/20 16:31	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	10/01/20 19:00	10/03/20 16:31	7440-62-2	
Zinc	ND	mg/L	0.010	0.0022	1	10/01/20 19:00	10/03/20 16:31	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>153</b>	mg/L	10.0	10.0	1		10/01/20 15:25		
<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		10/01/20 14:24	16887-00-6	
Fluoride	<b>0.085J</b>	mg/L	0.10	0.050	1		10/01/20 14:24	16984-48-8	
Sulfate	<b>11.6</b>	mg/L	1.0	0.50	1		10/01/20 14:24	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Sample: <b>GWC-19</b>		Lab ID: <b>92496914020</b>		Collected: 09/28/20 13:14		Received: 09/29/20 08:55		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		09/29/20 13:28		
pH	<b>7.78</b>	Std. Units			1		09/29/20 13:28		
<b>6010D ATL ICP</b>									
Analytical Method: EPA 6010D Preparation Method: EPA 3010A Pace Analytical Services - Peachtree Corners, GA									
Calcium	<b>44.7</b>	mg/L	1.0	0.070	1	10/01/20 18:49	10/05/20 19:19	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	10/02/20 15:00	10/06/20 17:33	7440-36-0	
Arsenic	ND	mg/L	0.0050	0.00078	1	10/02/20 15:00	10/06/20 17:33	7440-38-2	
Barium	<b>0.15</b>	mg/L	0.010	0.00071	1	10/02/20 15:00	10/06/20 17:33	7440-39-3	
Beryllium	<b>0.00010J</b>	mg/L	0.0030	0.000046	1	10/02/20 15:00	10/06/20 17:33	7440-41-7	
Boron	<b>0.17</b>	mg/L	0.10	0.0052	1	10/02/20 15:00	10/06/20 17:33	7440-42-8	
Cadmium	ND	mg/L	0.0025	0.00012	1	10/02/20 15:00	10/06/20 17:33	7440-43-9	
Chromium	<b>0.00063J</b>	mg/L	0.010	0.00055	1	10/02/20 15:00	10/06/20 17:33	7440-47-3	
Cobalt	ND	mg/L	0.0050	0.00038	1	10/02/20 15:00	10/06/20 17:33	7440-48-4	
Copper	ND	mg/L	0.0050	0.0017	1	10/02/20 15:00	10/06/20 17:33	7440-50-8	
Lead	<b>0.00014J</b>	mg/L	0.0050	0.000036	1	10/02/20 15:00	10/06/20 17:33	7439-92-1	
Nickel	ND	mg/L	0.0050	0.00069	1	10/02/20 15:00	10/06/20 17:33	7440-02-0	
Selenium	ND	mg/L	0.010	0.0016	1	10/02/20 15:00	10/06/20 17:33	7782-49-2	
Silver	ND	mg/L	0.0050	0.00036	1	10/02/20 15:00	10/06/20 17:33	7440-22-4	
Thallium	ND	mg/L	0.0010	0.00014	1	10/02/20 15:00	10/06/20 17:33	7440-28-0	
Vanadium	ND	mg/L	0.010	0.0022	1	10/02/20 15:00	10/06/20 17:33	7440-62-2	
Zinc	<b>0.0033J</b>	mg/L	0.010	0.0022	1	10/02/20 15:00	10/06/20 17:33	7440-66-6	
<b>2540C Total Dissolved Solids</b>									
Analytical Method: SM 2450C-2011 Pace Analytical Services - Peachtree Corners, GA									
Total Dissolved Solids	<b>214</b>	mg/L	10.0	10.0	1		10/01/20 15:27		
<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		10/01/20 14:39	16887-00-6	
Fluoride	<b>0.11</b>	mg/L	0.10	0.050	1		10/01/20 14:39	16984-48-8	
Sulfate	<b>15.8</b>	mg/L	1.0	0.50	1		10/01/20 14:39	14808-79-8	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 568748      Analysis Method: EPA 6010D  
QC Batch Method: EPA 3010A      Analysis Description: 6010D ATL  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92496914001, 92496914002

METHOD BLANK: 3013298      Matrix: Water  
Associated Lab Samples: 92496914001, 92496914002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/25/20 20:40	

LABORATORY CONTROL SAMPLE: 3013299

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.95J	95	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3013300      3013301

Parameter	Units	3013300		3013301		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	75.3	1	79.7	76.2	438	83	75-125	5	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.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

QC Batch:	569461	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92496914003, 92496914004, 92496914005, 92496914006, 92496914007, 92496914008, 92496914009, 92496914010

METHOD BLANK: 3017167 Matrix: Water

Associated Lab Samples: 92496914003, 92496914004, 92496914005, 92496914006, 92496914007, 92496914008, 92496914009, 92496914010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/30/20 20:54	

LABORATORY CONTROL SAMPLE: 3017168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.94J	94	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3017169 3017170

Parameter	Units	3017169		3017170		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92497149001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result								
Calcium	mg/L	1.8	1	1	2.8	2.8	94	95	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

QC Batch:	569776	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92496914011, 92496914012, 92496914013

METHOD BLANK: 3018383 Matrix: Water

Associated Lab Samples: 92496914011, 92496914012, 92496914013

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	09/30/20 16:15	

LABORATORY CONTROL SAMPLE: 3018384

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: 3018385 3018386

Parameter	Units	3018385		3018386		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92497532001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	45.2	1	1	47.0	47.9	181	276	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.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 569777 Analysis Method: EPA 6010D  
QC Batch Method: EPA 3010A Analysis Description: 6010D ATL  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92496914014, 92496914015, 92496914016

METHOD BLANK: 3018389 Matrix: Water  
Associated Lab Samples: 92496914014, 92496914015, 92496914016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	10/01/20 16:18	

LABORATORY CONTROL SAMPLE: 3018390

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	0.99J	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3018391 3018392

Parameter	Units	3018391		3018392		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92496914014 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	36.9	1	1	39.2	39.8	237	295	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.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

QC Batch:	570301	Analysis Method:	EPA 6010D
QC Batch Method:	EPA 3010A	Analysis Description:	6010D ATL
		Laboratory:	Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92496914017, 92496914018, 92496914019

METHOD BLANK: 3020964 Matrix: Water

Associated Lab Samples: 92496914017, 92496914018, 92496914019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	10/02/20 18:13	

LABORATORY CONTROL SAMPLE: 3020965

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3020966 3020967

Parameter	Units	3020966		3020967		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92497149010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result						
Calcium	mg/L	38.6	1	1	37.8	39.0	-77	45	75-125	3	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.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 570395	Analysis Method: EPA 6010D
QC Batch Method: EPA 3010A	Analysis Description: 6010D ATL
	Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92496914020

METHOD BLANK: 3021771 Matrix: Water  
Associated Lab Samples: 92496914020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Calcium	mg/L	ND	1.0	0.070	10/05/20 18:52	

LABORATORY CONTROL SAMPLE: 3021772

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Calcium	mg/L	1	1.0	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3021773 3021774

Parameter	Units	92496524015		3021774		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Calcium	mg/L	72.8	1	1	73.5	75.1	70	232	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.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 569670 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92496914001, 92496914002

METHOD BLANK: 3017842 Matrix: Water

Associated Lab Samples: 92496914001, 92496914002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	09/30/20 17:26	
Arsenic	mg/L	ND	0.0050	0.00078	09/30/20 17:26	
Barium	mg/L	ND	0.010	0.00071	09/30/20 17:26	
Beryllium	mg/L	ND	0.0030	0.000046	09/30/20 17:26	
Boron	mg/L	ND	0.10	0.0052	09/30/20 17:26	
Cadmium	mg/L	ND	0.0025	0.00012	09/30/20 17:26	
Chromium	mg/L	ND	0.010	0.00055	09/30/20 17:26	
Cobalt	mg/L	ND	0.0050	0.00038	09/30/20 17:26	
Copper	mg/L	ND	0.0050	0.0017	09/30/20 17:26	
Lead	mg/L	ND	0.0050	0.000036	09/30/20 17:26	
Nickel	mg/L	ND	0.0050	0.00069	09/30/20 17:26	
Selenium	mg/L	ND	0.010	0.0016	09/30/20 17:26	
Silver	mg/L	ND	0.0050	0.00036	09/30/20 17:26	
Thallium	mg/L	ND	0.0010	0.00014	09/30/20 17:26	
Vanadium	mg/L	ND	0.010	0.0022	09/30/20 17:26	
Zinc	mg/L	ND	0.010	0.0022	09/30/20 17:26	

LABORATORY CONTROL SAMPLE: 3017843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	102	80-120	
Arsenic	mg/L	0.1	0.095	95	80-120	
Barium	mg/L	0.1	0.099	99	80-120	
Beryllium	mg/L	0.1	0.097	97	80-120	
Boron	mg/L	1	0.98	98	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Chromium	mg/L	0.1	0.099	99	80-120	
Cobalt	mg/L	0.1	0.095	95	80-120	
Copper	mg/L	0.1	0.096	96	80-120	
Lead	mg/L	0.1	0.10	100	80-120	
Nickel	mg/L	0.1	0.095	95	80-120	
Selenium	mg/L	0.1	0.093	93	80-120	
Silver	mg/L	0.1	0.098	98	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.098	98	80-120	
Zinc	mg/L	0.1	0.095	95	80-120	

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

Parameter	Units	92495894020		3017844		3017845		% Rec	% Rec	% Rec	Limits	RPD	Max RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec							
Antimony	mg/L	0.00029J	0.1	0.1	0.099	0.10	99	102	75-125	3	20			
Arsenic	mg/L	0.39	0.1	0.1	0.48	0.48	88	90	75-125	1	20			
Barium	mg/L	0.052	0.1	0.1	0.15	0.15	98	101	75-125	2	20			
Beryllium	mg/L	0.00011J	0.1	0.1	0.087	0.090	87	90	75-125	4	20			
Boron	mg/L	1.6	1	1	2.4	2.5	79	89	75-125	4	20			
Cadmium	mg/L	ND	0.1	0.1	0.094	0.094	94	94	75-125	0	20			
Chromium	mg/L	0.00056J	0.1	0.1	0.093	0.094	93	93	75-125	1	20			
Cobalt	mg/L	0.0032J	0.1	0.1	0.094	0.096	91	92	75-125	2	20			
Copper	mg/L	ND	0.1	0.1	0.087	0.089	87	89	75-125	2	20			
Lead	mg/L	0.00015J	0.1	0.1	0.093	0.093	93	92	75-125	0	20			
Nickel	mg/L	0.00089J	0.1	0.1	0.090	0.090	89	89	75-125	1	20			
Selenium	mg/L	0.0016J	0.1	0.1	0.094	0.10	92	98	75-125	6	20			
Silver	mg/L	ND	0.1	0.1	0.089	0.092	89	92	75-125	4	20			
Thallium	mg/L	0.00036J	0.1	0.1	0.095	0.096	94	95	75-125	1	20			
Vanadium	mg/L	ND	0.1	0.1	0.097	0.098	96	97	75-125	2	20			
Zinc	mg/L	0.0033J	0.1	0.1	0.091	0.094	87	90	75-125	3	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 570000 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92496914003, 92496914004, 92496914005, 92496914006, 92496914007, 92496914008, 92496914009, 92496914010

METHOD BLANK: 3019421 Matrix: Water  
Associated Lab Samples: 92496914003, 92496914004, 92496914005, 92496914006, 92496914007, 92496914008, 92496914009, 92496914010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	10/01/20 14:21	
Arsenic	mg/L	ND	0.0050	0.00078	10/01/20 14:21	
Barium	mg/L	ND	0.010	0.00071	10/01/20 14:21	
Beryllium	mg/L	ND	0.0030	0.000046	10/01/20 14:21	
Boron	mg/L	ND	0.10	0.0052	10/01/20 14:21	
Cadmium	mg/L	ND	0.0025	0.00012	10/01/20 14:21	
Chromium	mg/L	ND	0.010	0.00055	10/01/20 14:21	
Cobalt	mg/L	ND	0.0050	0.00038	10/01/20 14:21	
Copper	mg/L	ND	0.0050	0.0017	10/01/20 14:21	
Lead	mg/L	ND	0.0050	0.000036	10/01/20 14:21	
Nickel	mg/L	ND	0.0050	0.00069	10/01/20 14:21	
Selenium	mg/L	ND	0.010	0.0016	10/01/20 14:21	
Silver	mg/L	ND	0.0050	0.00036	10/01/20 14:21	
Thallium	mg/L	ND	0.0010	0.00014	10/01/20 14:21	
Vanadium	mg/L	ND	0.010	0.0022	10/01/20 14:21	
Zinc	mg/L	ND	0.010	0.0022	10/01/20 14:21	

LABORATORY CONTROL SAMPLE: 3019422

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.10	101	80-120	
Arsenic	mg/L	0.1	0.098	98	80-120	
Barium	mg/L	0.1	0.10	100	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	0.098	98	80-120	
Chromium	mg/L	0.1	0.10	102	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	0.098	98	80-120	
Nickel	mg/L	0.1	0.10	100	80-120	
Selenium	mg/L	0.1	0.099	99	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.097	97	80-120	
Vanadium	mg/L	0.1	0.10	101	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Parameter	Units	3019423		3019424		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result							
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	0.098	0.10	98	99	75-125	1	20	
Barium	mg/L	0.043	0.1	0.1	0.15	0.15	102	102	75-125	0	20	
Beryllium	mg/L	0.000058J	0.1	0.1	0.098	0.099	98	99	75-125	1	20	
Boron	mg/L	1.6	1	1	2.6	2.7	98	111	75-125	5	20	
Cadmium	mg/L	ND	0.1	0.1	0.099	0.098	99	98	75-125	1	20	
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	102	102	75-125	1	20	
Cobalt	mg/L	0.0018J	0.1	0.1	0.10	0.10	99	101	75-125	2	20	
Copper	mg/L	ND	0.1	0.1	0.098	0.10	97	101	75-125	4	20	
Lead	mg/L	0.000082J	0.1	0.1	0.097	0.10	97	100	75-125	3	20	
Nickel	mg/L	0.0045J	0.1	0.1	0.10	0.11	99	101	75-125	2	20	
Selenium	mg/L	ND	0.1	0.1	0.096	0.098	96	98	75-125	2	20	
Silver	mg/L	ND	0.1	0.1	0.097	0.096	97	96	75-125	1	20	
Thallium	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20	
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	1	20	
Zinc	mg/L	0.0029J	0.1	0.1	0.099	0.10	96	99	75-125	3	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 570006 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA  
Associated Lab Samples: 92496914011, 92496914012, 92496914013, 92496914014, 92496914015, 92496914016

METHOD BLANK: 3019444 Matrix: Water  
Associated Lab Samples: 92496914011, 92496914012, 92496914013, 92496914014, 92496914015, 92496914016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	10/01/20 18:07	
Arsenic	mg/L	ND	0.0050	0.00078	10/01/20 18:07	
Barium	mg/L	ND	0.010	0.00071	10/01/20 18:07	
Beryllium	mg/L	ND	0.0030	0.000046	10/01/20 18:07	
Boron	mg/L	ND	0.10	0.0052	10/01/20 18:07	
Cadmium	mg/L	ND	0.0025	0.00012	10/01/20 18:07	
Chromium	mg/L	ND	0.010	0.00055	10/01/20 18:07	
Cobalt	mg/L	ND	0.0050	0.00038	10/01/20 18:07	
Copper	mg/L	ND	0.0050	0.0017	10/01/20 18:07	
Lead	mg/L	ND	0.0050	0.000036	10/01/20 18:07	
Nickel	mg/L	0.00072J	0.0050	0.00069	10/01/20 18:07	
Selenium	mg/L	ND	0.010	0.0016	10/01/20 18:07	
Silver	mg/L	ND	0.0050	0.00036	10/01/20 18:07	
Thallium	mg/L	ND	0.0010	0.00014	10/01/20 18:07	
Vanadium	mg/L	ND	0.010	0.0022	10/01/20 18:07	
Zinc	mg/L	ND	0.010	0.0022	10/01/20 18:07	

LABORATORY CONTROL SAMPLE: 3019445

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.092	92	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.095	95	80-120	
Beryllium	mg/L	0.1	0.099	99	80-120	
Boron	mg/L	1	0.95	95	80-120	
Cadmium	mg/L	0.1	0.098	98	80-120	
Chromium	mg/L	0.1	0.095	95	80-120	
Cobalt	mg/L	0.1	0.094	94	80-120	
Copper	mg/L	0.1	0.096	96	80-120	
Lead	mg/L	0.1	0.094	94	80-120	
Nickel	mg/L	0.1	0.094	94	80-120	
Selenium	mg/L	0.1	0.10	105	80-120	
Silver	mg/L	0.1	0.095	95	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	
Vanadium	mg/L	0.1	0.094	94	80-120	
Zinc	mg/L	0.1	0.10	100	80-120	

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

**QUALITY CONTROL DATA**

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

Parameter	Units	3019446		3019447		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result								
Antimony	mg/L	0.00080J	0.1	0.1	0.096	0.098	95	97	75-125	2	20		
Arsenic	mg/L	0.0064	0.1	0.1	0.10	0.11	98	101	75-125	3	20		
Barium	mg/L	0.11	0.1	0.1	0.20	0.21	97	99	75-125	1	20		
Beryllium	mg/L	0.000050J	0.1	0.1	0.095	0.095	95	95	75-125	1	20		
Boron	mg/L	0.045J	1	1	0.96	0.95	92	91	75-125	1	20		
Cadmium	mg/L	ND	0.1	0.1	0.098	0.10	98	101	75-125	3	20		
Chromium	mg/L	ND	0.1	0.1	0.095	0.096	95	95	75-125	0	20		
Cobalt	mg/L	0.010	0.1	0.1	0.11	0.11	95	97	75-125	2	20		
Copper	mg/L	ND	0.1	0.1	0.096	0.096	96	96	75-125	0	20		
Lead	mg/L	0.000060J	0.1	0.1	0.094	0.095	94	95	75-125	1	20		
Nickel	mg/L	0.042	0.1	0.1	0.14	0.14	94	96	75-125	1	20		
Selenium	mg/L	ND	0.1	0.1	0.10	0.10	102	104	75-125	2	20		
Silver	mg/L	ND	0.1	0.1	0.093	0.094	93	94	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.097	0.097	97	97	75-125	1	20		
Vanadium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20		
Zinc	mg/L	0.070	0.1	0.1	0.17	0.17	98	104	75-125	4	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**

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

QC Batch: 570375

Analysis Method: EPA 6020B

QC Batch Method: EPA 3005A

Analysis Description: 6020 MET

Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92496914017, 92496914018, 92496914019

METHOD BLANK: 3021668

Matrix: Water

Associated Lab Samples: 92496914017, 92496914018, 92496914019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	10/03/20 14:31	
Arsenic	mg/L	ND	0.0050	0.00078	10/03/20 14:31	
Barium	mg/L	ND	0.010	0.00071	10/03/20 14:31	
Beryllium	mg/L	ND	0.0030	0.000046	10/03/20 14:31	
Boron	mg/L	ND	0.10	0.0052	10/03/20 14:31	
Cadmium	mg/L	ND	0.0025	0.00012	10/03/20 14:31	
Chromium	mg/L	ND	0.010	0.00055	10/03/20 14:31	
Cobalt	mg/L	ND	0.0050	0.00038	10/03/20 14:31	
Copper	mg/L	ND	0.0050	0.0017	10/03/20 14:31	
Lead	mg/L	ND	0.0050	0.000036	10/03/20 14:31	
Nickel	mg/L	ND	0.0050	0.00069	10/03/20 14:31	
Selenium	mg/L	ND	0.010	0.0016	10/03/20 14:31	
Silver	mg/L	ND	0.0050	0.00036	10/03/20 14:31	
Thallium	mg/L	ND	0.0010	0.00014	10/03/20 14:31	
Vanadium	mg/L	ND	0.010	0.0022	10/03/20 14:31	
Zinc	mg/L	ND	0.010	0.0022	10/03/20 14:31	

LABORATORY CONTROL SAMPLE: 3021669

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.097	97	80-120	
Arsenic	mg/L	0.1	0.092	92	80-120	
Barium	mg/L	0.1	0.098	98	80-120	
Beryllium	mg/L	0.1	0.10	101	80-120	
Boron	mg/L	1	1.0	104	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Chromium	mg/L	0.1	0.098	98	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	0.095	95	80-120	
Nickel	mg/L	0.1	0.095	95	80-120	
Selenium	mg/L	0.1	0.092	92	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.096	96	80-120	
Vanadium	mg/L	0.1	0.096	96	80-120	
Zinc	mg/L	0.1	0.096	96	80-120	

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3021670												3021671	
Parameter	Units	92497125010 Result	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	Qual		
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	RPD			
Antimony	mg/L	ND	0.1	0.1	0.10	0.10	101	100	75-125	1	20		
Arsenic	mg/L	ND	0.1	0.1	0.095	0.094	94	94	75-125	1	20		
Barium	mg/L	0.023	0.1	0.1	0.12	0.12	97	99	75-125	1	20		
Beryllium	mg/L	0.0015J	0.1	0.1	0.098	0.10	97	100	75-125	3	20		
Boron	mg/L	1.1	1	1	2.1	2.2	101	114	75-125	6	20		
Cadmium	mg/L	0.00066J	0.1	0.1	0.097	0.097	96	97	75-125	0	20		
Chromium	mg/L	ND	0.1	0.1	0.10	0.10	100	101	75-125	1	20		
Cobalt	mg/L	0.0053	0.1	0.1	0.10	0.10	98	99	75-125	1	20		
Copper	mg/L	ND	0.1	0.1	0.096	0.096	95	95	75-125	0	20		
Lead	mg/L	0.00011J	0.1	0.1	0.095	0.095	95	95	75-125	1	20		
Nickel	mg/L	0.0042J	0.1	0.1	0.099	0.10	95	97	75-125	2	20		
Selenium	mg/L	0.0021J	0.1	0.1	0.097	0.094	95	92	75-125	3	20		
Silver	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20		
Thallium	mg/L	ND	0.1	0.1	0.094	0.096	94	96	75-125	2	20		
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	101	103	75-125	2	20		
Zinc	mg/L	0.0067J	0.1	0.1	0.10	0.10	96	95	75-125	1	20		

SAMPLE DUPLICATE: 3021683

Parameter	Units	92497981001	Dup	RPD	Max RPD	Qualifiers
		Result	Result			
Antimony	mg/L	ND	ND		20	
Arsenic	mg/L	ND	0.0078	4	20	
Barium	mg/L	ND	0.0046J		20	
Beryllium	mg/L	ND	ND		20	
Boron	mg/L	ND	0.018J		20	
Cadmium	mg/L	ND	ND		20	
Chromium	mg/L	ND	0.00061J		20	
Cobalt	mg/L	ND	0.00074J		20	
Copper	mg/L	ND	ND		20	
Lead	mg/L	ND	0.00016J		20	
Nickel	mg/L	ND	ND		20	
Selenium	mg/L	ND	ND		20	
Silver	mg/L	ND	ND		20	
Thallium	mg/L	ND	ND		20	
Vanadium	mg/L	ND	ND		20	
Zinc	mg/L	ND	ND		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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 570626 Analysis Method: EPA 6020B  
QC Batch Method: EPA 3005A Analysis Description: 6020 MET  
Laboratory: Pace Analytical Services - Peachtree Corners, GA

Associated Lab Samples: 92496914020

METHOD BLANK: 3022872 Matrix: Water  
Associated Lab Samples: 92496914020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Antimony	mg/L	ND	0.0030	0.00028	10/06/20 17:21	
Arsenic	mg/L	ND	0.0050	0.00078	10/06/20 17:21	
Barium	mg/L	ND	0.010	0.00071	10/06/20 17:21	
Beryllium	mg/L	ND	0.0030	0.000046	10/06/20 17:21	
Boron	mg/L	ND	0.10	0.0052	10/06/20 17:21	
Cadmium	mg/L	ND	0.0025	0.00012	10/06/20 17:21	
Chromium	mg/L	ND	0.010	0.00055	10/06/20 17:21	
Cobalt	mg/L	ND	0.0050	0.00038	10/06/20 17:21	
Copper	mg/L	ND	0.0050	0.0017	10/06/20 17:21	
Lead	mg/L	ND	0.0050	0.000036	10/06/20 17:21	
Nickel	mg/L	ND	0.0050	0.00069	10/06/20 17:21	
Selenium	mg/L	ND	0.010	0.0016	10/06/20 17:21	
Silver	mg/L	ND	0.0050	0.00036	10/06/20 17:21	
Thallium	mg/L	ND	0.0010	0.00014	10/06/20 17:21	
Vanadium	mg/L	ND	0.010	0.0022	10/06/20 17:21	
Zinc	mg/L	ND	0.010	0.0022	10/06/20 17:21	

LABORATORY CONTROL SAMPLE: 3022873

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	mg/L	0.1	0.12	116	80-120	
Arsenic	mg/L	0.1	0.097	97	80-120	
Barium	mg/L	0.1	0.10	101	80-120	
Beryllium	mg/L	0.1	0.10	100	80-120	
Boron	mg/L	1	0.99	99	80-120	
Cadmium	mg/L	0.1	0.096	96	80-120	
Chromium	mg/L	0.1	0.10	100	80-120	
Cobalt	mg/L	0.1	0.098	98	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	0.098	98	80-120	
Selenium	mg/L	0.1	0.094	94	80-120	
Silver	mg/L	0.1	0.097	97	80-120	
Thallium	mg/L	0.1	0.098	98	80-120	
Vanadium	mg/L	0.1	0.099	99	80-120	
Zinc	mg/L	0.1	0.096	96	80-120	

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



**QUALITY CONTROL DATA**

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

Parameter	Units	92496914020		3022874		3022875		% 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	0.12	0.12	115	116	75-125	0	20			
Arsenic	mg/L	ND	0.1	0.1	0.097	0.098	97	98	75-125	2	20			
Barium	mg/L	0.15	0.1	0.1	0.25	0.25	102	99	75-125	1	20			
Beryllium	mg/L	0.00010J	0.1	0.1	0.095	0.096	95	96	75-125	1	20			
Boron	mg/L	0.17	1	1	1.1	1.1	94	95	75-125	1	20			
Cadmium	mg/L	ND	0.1	0.1	0.095	0.097	95	97	75-125	2	20			
Chromium	mg/L	0.00063J	0.1	0.1	0.10	0.10	100	100	75-125	0	20			
Cobalt	mg/L	ND	0.1	0.1	0.097	0.099	97	98	75-125	1	20			
Copper	mg/L	ND	0.1	0.1	0.097	0.097	96	96	75-125	0	20			
Lead	mg/L	0.00014J	0.1	0.1	0.094	0.096	94	96	75-125	2	20			
Nickel	mg/L	ND	0.1	0.1	0.095	0.096	94	95	75-125	1	20			
Selenium	mg/L	ND	0.1	0.1	0.093	0.095	93	95	75-125	3	20			
Silver	mg/L	ND	0.1	0.1	0.093	0.093	93	93	75-125	1	20			
Thallium	mg/L	ND	0.1	0.1	0.096	0.097	96	97	75-125	1	20			
Vanadium	mg/L	ND	0.1	0.1	0.10	0.10	101	102	75-125	1	20			
Zinc	mg/L	0.0033J	0.1	0.1	0.095	0.096	91	92	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**

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

QC Batch: 568648	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: 92496914001

METHOD BLANK: 3012738 Matrix: Water

Associated Lab Samples: 92496914001

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/24/20 10:26	

LABORATORY CONTROL SAMPLE: 3012739

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	390	98	84-108	

SAMPLE DUPLICATE: 3012740

Parameter	Units	92497007001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	207	204	1	10	

SAMPLE DUPLICATE: 3012944

Parameter	Units	92496771001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	158	157	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

QC Batch: 568649	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: 92496914002

METHOD BLANK: 3012742 Matrix: Water

Associated Lab Samples: 92496914002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/24/20 10:30	

LABORATORY CONTROL SAMPLE: 3012743

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	407	102	84-108	

SAMPLE DUPLICATE: 3012744

Parameter	Units	92496914002 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	107	113	5	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

QC Batch: 569350

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: 92496914003, 92496914004, 92496914005, 92496914006, 92496914007, 92496914008, 92496914009, 92496914010

METHOD BLANK: 3016719

Matrix: Water

Associated Lab Samples: 92496914003, 92496914004, 92496914005, 92496914006, 92496914007, 92496914008, 92496914009, 92496914010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/28/20 11:53	

LABORATORY CONTROL SAMPLE: 3016720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	427	107	84-108	

SAMPLE DUPLICATE: 3016721

Parameter	Units	92496925001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	215	218	1	10	

SAMPLE DUPLICATE: 3016722

Parameter	Units	92495900024 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	894	864	3	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 569874 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: 92496914011, 92496914012, 92496914013, 92496914014, 92496914015, 92496914016

METHOD BLANK: 3018862 Matrix: Water  
Associated Lab Samples: 92496914011, 92496914012, 92496914013, 92496914014, 92496914015, 92496914016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	09/30/20 09:26	

LABORATORY CONTROL SAMPLE: 3018863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	389	97	84-108	

SAMPLE DUPLICATE: 3018864

Parameter	Units	92497404001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	130	150	14	10	D6

SAMPLE DUPLICATE: 3018865

Parameter	Units	92495894026 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	790	774	2	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

QC Batch:	570219	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: 92496914017, 92496914018, 92496914019

METHOD BLANK: 3020458 Matrix: Water

Associated Lab Samples: 92496914017, 92496914018, 92496914019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/01/20 15:22	

LABORATORY CONTROL SAMPLE: 3020459

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	412	103	84-108	

SAMPLE DUPLICATE: 3020460

Parameter	Units	92497125005 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	134	142	6	10	

SAMPLE DUPLICATE: 3020461

Parameter	Units	92497146006 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	878	918	4	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

QC Batch: 570220	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: 92496914020

METHOD BLANK: 3020462 Matrix: Water

Associated Lab Samples: 92496914020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Total Dissolved Solids	mg/L	ND	10.0	10.0	10/01/20 15:26	

LABORATORY CONTROL SAMPLE: 3020463

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Dissolved Solids	mg/L	400	411	103	84-108	

SAMPLE DUPLICATE: 3020464

Parameter	Units	92496524014 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Dissolved Solids	mg/L	188	205	9	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 569204 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: 92496914001, 92496914002

METHOD BLANK: 3015915 Matrix: Water  
Associated Lab Samples: 92496914001, 92496914002

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/26/20 18:53	
Fluoride	mg/L	ND	0.10	0.050	09/26/20 18:53	
Sulfate	mg/L	ND	1.0	0.50	09/26/20 18:53	

LABORATORY CONTROL SAMPLE: 3015916

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.3	107	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	52.6	105	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3015917 3015918

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92497425005	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L			50	50	61.6	57.4	107	98	90-110	7	10	
Fluoride	mg/L			2.5	2.5	2.7	2.6	108	103	90-110	5	10	
Sulfate	mg/L	4.1		50	50	56.2	55.8	104	103	90-110	1	10	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3015919 3015920

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92497391003	Result	Spike Conc.	Spike Conc.								
Chloride	mg/L	8.8		50	50	61.1	61.5	104	105	90-110	1	10	
Fluoride	mg/L	ND		2.5	2.5	2.3	2.3	91	92	90-110	1	10	
Sulfate	mg/L	0.73J		50	50	52.1	53.1	103	105	90-110	2	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 569515 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: 92496914003, 92496914004, 92496914005, 92496914006, 92496914007, 92496914008, 92496914009, 92496914010

METHOD BLANK: 3017404 Matrix: Water  
Associated Lab Samples: 92496914003, 92496914004, 92496914005, 92496914006, 92496914007, 92496914008, 92496914009, 92496914010

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/29/20 01:40	
Fluoride	mg/L	ND	0.10	0.050	09/29/20 01:40	
Sulfate	mg/L	ND	1.0	0.50	09/29/20 01:40	

LABORATORY CONTROL SAMPLE: 3017405

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	54.1	108	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	54.2	108	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3017406 3017407

Parameter	Units	92496914009		3017407		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	ND	50	50	52.3	52.6	105	105	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	104	106	90-110	1	10
Sulfate	mg/L	ND	50	50	51.9	52.3	104	105	90-110	1	10

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3017408 3017409

Parameter	Units	92496914010		3017409		MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result						
Chloride	mg/L	ND	50	50	51.9	52.4	104	105	90-110	1	10
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	104	105	90-110	1	10
Sulfate	mg/L	ND	50	50	51.6	52.0	103	104	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 569516 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: 92496914011, 92496914012, 92496914013, 92496914014, 92496914015, 92496914016

METHOD BLANK: 3017410 Matrix: Water  
Associated Lab Samples: 92496914011, 92496914012, 92496914013, 92496914014, 92496914015, 92496914016

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	09/29/20 08:53	
Fluoride	mg/L	ND	0.10	0.050	09/29/20 08:53	
Sulfate	mg/L	ND	1.0	0.50	09/29/20 08:53	

LABORATORY CONTROL SAMPLE: 3017411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	54.8	110	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	54.9	110	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3017412 3017413

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92497532015 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	ND	50	50	52.8	52.1	106	104	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	106	104	90-110	1	10		
Sulfate	mg/L	ND	50	50	52.5	52.0	105	104	90-110	1	10		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3017414 3017415

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92495894027 Result	Spike Conc.	Spike Conc.	Conc.								
Chloride	mg/L	ND	50	50	52.5	52.9	105	105	90-110	1	10		
Fluoride	mg/L	ND	2.5	2.5	2.6	2.6	105	104	90-110	1	10		
Sulfate	mg/L	ND	50	50	52.1	52.0	104	104	90-110	0	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

QC Batch: 570137 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: 92496914017, 92496914018, 92496914019, 92496914020

METHOD BLANK: 3020267 Matrix: Water  
Associated Lab Samples: 92496914017, 92496914018, 92496914019, 92496914020

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Chloride	mg/L	ND	1.0	0.60	10/01/20 07:56	
Fluoride	mg/L	ND	0.10	0.050	10/01/20 07:56	
Sulfate	mg/L	ND	1.0	0.50	10/01/20 07:56	

LABORATORY CONTROL SAMPLE: 3020268

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Chloride	mg/L	50	53.3	107	90-110	
Fluoride	mg/L	2.5	2.7	109	90-110	
Sulfate	mg/L	50	53.4	107	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3020269 3020270

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92495894028 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	542	50	50	583	587	82	89	90-110	1	10	M6	
Fluoride	mg/L	0.41	2.5	2.5	3.2	3.1	110	109	90-110	1	10		
Sulfate	mg/L	3480	50	50	3520	3530	86	111	90-110	0	10	M6	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3020271 3020272

Parameter	Units	MS		MSD		MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		92496914018 Result	Spike Conc.	Spike Conc.	Result								
Chloride	mg/L	1.6	50	50	56.0	56.5	109	110	90-110	1	10		
Fluoride	mg/L	0.063J	2.5	2.5	2.8	2.8	109	111	90-110	2	10	M1	
Sulfate	mg/L	110	50	50	160	161	101	103	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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92496914

---

### 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

B Analyte was detected in the associated method blank.

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

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92496914001	GWA-2				
92496914002	GWA-11				
92496914003	GWA-1				
92496914004	GWA-3				
92496914005	GWA-4				
92496914006	GWC-20				
92496914007	GWC-23				
92496914008	GWC-22				
92496914011	GWC-7				
92496914012	GWC-8				
92496914013	GWC-9				
92496914014	GWC-18				
92496914015	GWC-21				
92496914017	GWC-5				
92496914018	GWC-6				
92496914019	GWC-10				
92496914020	GWC-19				
92496914001	GWA-2	EPA 3010A	568748	EPA 6010D	568812
92496914002	GWA-11	EPA 3010A	568748	EPA 6010D	568812
92496914003	GWA-1	EPA 3010A	569461	EPA 6010D	569503
92496914004	GWA-3	EPA 3010A	569461	EPA 6010D	569503
92496914005	GWA-4	EPA 3010A	569461	EPA 6010D	569503
92496914006	GWC-20	EPA 3010A	569461	EPA 6010D	569503
92496914007	GWC-23	EPA 3010A	569461	EPA 6010D	569503
92496914008	GWC-22	EPA 3010A	569461	EPA 6010D	569503
92496914009	EB-01	EPA 3010A	569461	EPA 6010D	569503
92496914010	FB-05	EPA 3010A	569461	EPA 6010D	569503
92496914011	GWC-7	EPA 3010A	569776	EPA 6010D	569815
92496914012	GWC-8	EPA 3010A	569776	EPA 6010D	569815
92496914013	GWC-9	EPA 3010A	569776	EPA 6010D	569815
92496914014	GWC-18	EPA 3010A	569777	EPA 6010D	569816
92496914015	GWC-21	EPA 3010A	569777	EPA 6010D	569816
92496914016	FD-05	EPA 3010A	569777	EPA 6010D	569816
92496914017	GWC-5	EPA 3010A	570301	EPA 6010D	570373
92496914018	GWC-6	EPA 3010A	570301	EPA 6010D	570373
92496914019	GWC-10	EPA 3010A	570301	EPA 6010D	570373
92496914020	GWC-19	EPA 3010A	570395	EPA 6010D	570414
92496914001	GWA-2	EPA 3005A	569670	EPA 6020B	569718
92496914002	GWA-11	EPA 3005A	569670	EPA 6020B	569718
92496914003	GWA-1	EPA 3005A	570000	EPA 6020B	570049
92496914004	GWA-3	EPA 3005A	570000	EPA 6020B	570049
92496914005	GWA-4	EPA 3005A	570000	EPA 6020B	570049
92496914006	GWC-20	EPA 3005A	570000	EPA 6020B	570049
92496914007	GWC-23	EPA 3005A	570000	EPA 6020B	570049
92496914008	GWC-22	EPA 3005A	570000	EPA 6020B	570049

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92496914009	EB-01	EPA 3005A	570000	EPA 6020B	570049
92496914010	FB-05	EPA 3005A	570000	EPA 6020B	570049
92496914011	GWC-7	EPA 3005A	570006	EPA 6020B	570052
92496914012	GWC-8	EPA 3005A	570006	EPA 6020B	570052
92496914013	GWC-9	EPA 3005A	570006	EPA 6020B	570052
92496914014	GWC-18	EPA 3005A	570006	EPA 6020B	570052
92496914015	GWC-21	EPA 3005A	570006	EPA 6020B	570052
92496914016	FD-05	EPA 3005A	570006	EPA 6020B	570052
92496914017	GWC-5	EPA 3005A	570375	EPA 6020B	570411
92496914018	GWC-6	EPA 3005A	570375	EPA 6020B	570411
92496914019	GWC-10	EPA 3005A	570375	EPA 6020B	570411
92496914020	GWC-19	EPA 3005A	570626	EPA 6020B	570683
92496914001	GWA-2	SM 2450C-2011	568648		
92496914002	GWA-11	SM 2450C-2011	568649		
92496914003	GWA-1	SM 2450C-2011	569350		
92496914004	GWA-3	SM 2450C-2011	569350		
92496914005	GWA-4	SM 2450C-2011	569350		
92496914006	GWC-20	SM 2450C-2011	569350		
92496914007	GWC-23	SM 2450C-2011	569350		
92496914008	GWC-22	SM 2450C-2011	569350		
92496914009	EB-01	SM 2450C-2011	569350		
92496914010	FB-05	SM 2450C-2011	569350		
92496914011	GWC-7	SM 2450C-2011	569874		
92496914012	GWC-8	SM 2450C-2011	569874		
92496914013	GWC-9	SM 2450C-2011	569874		
92496914014	GWC-18	SM 2450C-2011	569874		
92496914015	GWC-21	SM 2450C-2011	569874		
92496914016	FD-05	SM 2450C-2011	569874		
92496914017	GWC-5	SM 2450C-2011	570219		
92496914018	GWC-6	SM 2450C-2011	570219		
92496914019	GWC-10	SM 2450C-2011	570219		
92496914020	GWC-19	SM 2450C-2011	570220		
92496914001	GWA-2	EPA 300.0 Rev 2.1 1993	569204		
92496914002	GWA-11	EPA 300.0 Rev 2.1 1993	569204		
92496914003	GWA-1	EPA 300.0 Rev 2.1 1993	569515		
92496914004	GWA-3	EPA 300.0 Rev 2.1 1993	569515		
92496914005	GWA-4	EPA 300.0 Rev 2.1 1993	569515		
92496914006	GWC-20	EPA 300.0 Rev 2.1 1993	569515		
92496914007	GWC-23	EPA 300.0 Rev 2.1 1993	569515		
92496914008	GWC-22	EPA 300.0 Rev 2.1 1993	569515		
92496914009	EB-01	EPA 300.0 Rev 2.1 1993	569515		
92496914010	FB-05	EPA 300.0 Rev 2.1 1993	569515		
92496914011	GWC-7	EPA 300.0 Rev 2.1 1993	569516		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92496914

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92496914012	GWC-8	EPA 300.0 Rev 2.1 1993	569516		
92496914013	GWC-9	EPA 300.0 Rev 2.1 1993	569516		
92496914014	GWC-18	EPA 300.0 Rev 2.1 1993	569516		
92496914015	GWC-21	EPA 300.0 Rev 2.1 1993	569516		
92496914016	FD-05	EPA 300.0 Rev 2.1 1993	569516		
92496914017	GWC-5	EPA 300.0 Rev 2.1 1993	570137		
92496914018	GWC-6	EPA 300.0 Rev 2.1 1993	570137		
92496914019	GWC-10	EPA 300.0 Rev 2.1 1993	570137		
92496914020	GWC-19	EPA 300.0 Rev 2.1 1993	570137		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



Sample Condition Upon Receipt

Client Name: GA Power

WO#: **92496914**



Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other

Tracking #: \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other

Thermometer Used 2.30

Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Cooler Temperature 5.6

Biological Tissue is Frozen: Yes No

Date and initials of person examining contents: 9/23/2015

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-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	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	<u>W</u>	
All containers needing preservation have been checked.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Initial when completed
		Lot # of added preservative
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

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.

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	Geosynlec Contacts		
Company Name		Address	Paco Quin		
Report to SCS Contacts		Reference	Paco Project		
Project Name	Plant Hammond Hufaker Semiannual	Manager	Kevin Herring		
Requested Due Date/Time	10 Day	Project Number	GW65818		
Requested Due Date/Time	10 Day	Project Number	10839-11		

ITEM #	Section B 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							Analysis Test			Residual Chlorine (Y/N)	PH								
										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	Y	N			Y	N	Y	N				
1	GWA-1	WT G	G	9/21	1520	-	-	-	3	2	1																		
2	GWA-2	WT G	G	9/21	1520	-	-	-	3	2	1																		
3	GWA-3	WT G	G	9/21	1520	-	-	-	3	2	1																		
4	GWA-4	WT G	G	9/21	1520	-	-	-	3	2	1																		
5	GWA-11	WT G	G	9/21	1520	-	-	-	3	2	1																		
6	GWC-5	WT G	G	9/21	1520	-	-	-	3	2	1																		
7	GWC-6	WT G	G	9/21	1520	-	-	-	3	2	1																		
8	GWC-7	WT G	G	9/21	1520	-	-	-	3	2	1																		
9	GWC-8	WT G	G	9/21	1520	-	-	-	3	2	1																		
10	GWC-9	WT G	G	9/21	1520	-	-	-	3	2	1																		
11	GWC-10	WT G	G	9/21	1520	-	-	-	3	2	1																		
12	GWC-18	WT G	G	9/21	1520	-	-	-	3	2	1																		

REQUISITIONED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Murphy / SCS	9/21	1740	Scott Ridge / SCS	9/21	1740
Grand / SCS	9/21	1855	Media / W/Parsonsgco	9/22/0	1855
Media / W/Parsonsgco	9/23/0	0925	Media / W/Parsonsgco	9/23/0	0925
Media / W/Parsonsgco	9/23/0	1040	Parsonsgco	9/23/0	1040

PRINT Name of SAMPLER: Murphy / SCS	DATE Signed: 09/21/08
SIGNATURE of SAMPLER: [Signature]	INITIALS: CR/LZ/RB

Page: 2004 2

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

F-ALL-Q-02Rev.07, 15-Feb-2007



# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

<b>Section A</b> Required Client Information: Company: <u>GA Power</u> Address: <u>Atlanta, GA</u>		<b>Section B</b> Required Project Information: Report To: <u>SCS Contacts</u> Copy To: <u>Geosynic Contacts</u>		<b>Section C</b> Invoice Information: Attention: <u>Southern Co.</u> Company Name: Address: Purchase Order No.: Project Name: <u>Plant Hammond Hurlaker Semiannual</u> Project Number: <u>GW6581B</u> Requested Due Date/Time: <u>10 Day</u>	
Email To: <u>SCS Contacts</u> Phone: _____ Requested Due Date/Time: <u>10 Day</u>		Purchase Order No.: _____ Project Name: <u>Plant Hammond Hurlaker Semiannual</u> Project Number: <u>GW6581B</u>		Address: Pace Quote Reference: _____ Pace Project Manager: _____ Pace File #: <u>10839-11</u>	
<b>REGULATORY AGENCY</b> <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER: _____		Site Location: _____ STATE: <u>GA</u>		Requested Analysis Filtered (Y/N): Chloride, Fluoride, Sulfate: _____ TDS: _____ Metals 6010/6020*: _____	

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DW WATER WASTE WATER PRODUCT LIQUID WIFE AIR OTHER TSS	CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	Preservatives					Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	pH =														
						DATE	TIME						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	Y	N	N	N	N							
1	<u>GWA-1</u>										2																								
2	<u>GWA-2</u>										3																								
3	<u>GWA-3</u>										2																								
4	<u>GWA-4</u>										3																								
6	<u>GWA-11</u>										3																								
6	<u>GWA-5</u>										3																								
7	<u>GWC-6</u>										3																								
8	<u>GWC-7</u>										3																								
9	<u>GWC-8</u>										3																								
10	<u>GWC-9</u>										3																								
11	<u>GWC-10</u>										3																								
12	<u>GWC-18</u>										3																								

**ADDITIONAL COMMENTS:**

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

Notes: SB, AS, BA, BE, B, CD, CA, C, CO, CU, PH, NI, SE, AG, NI, V, ZN

REQUISITIONED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
<u>Chad R. USS</u>	<u>9/23/06</u>	<u>1855</u>	<u>Mollie Mclamb Lgoe</u>	<u>9/23/06</u>	<u>1855</u>
<u>Mollie Mclamb Lgoe</u>	<u>9/23/06</u>	<u>0925</u>	<u>Kevin Herring</u>	<u>9/23/06</u>	<u>925</u>
<u>Kevin Herring</u>	<u>9/23/06</u>	<u>1040</u>	<u>Brenda Ford</u>	<u>9/23/06</u>	<u>1040</u>

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Chad R. USS

SIGNATURE of SAMPLER: Chad R. USS

DATE Signed (MM/DD/YY): 9/22/2006

Temp in °C: \_\_\_\_\_

Received on Ice (Y/N): \_\_\_\_\_

Custody Sealed Cooler (Y/N): \_\_\_\_\_

Samples Intact (Y/N): \_\_\_\_\_



# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 4

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: GA Power	Address: Atlanta, GA	Report To: SCS Contacts	Copy To: Geosyntec Contacts	Attention: Southern Co.	Company Name:
Project Name: SCS Contacts	Phone: [Fac]	Purchase Order No.:	Project Name: Plant Hammond Hufaker Semiannual	Address:	Regulatory Agency: <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER
Requested Due Date/RAT: 30 Day	Project Number: GW65618	Project Name: Plant Hammond Hufaker Semiannual	Requested Due Date/RAT: 30 Day	Company Name: Kevin Herring	<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER
Requested Analysis: Filtered (Y/N)			Requested Analysis: Filtered (Y/N)		
Site Location: GA			Site Location: GA		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Residual Chlorine (Y/N)	pH = <u>6.98</u>	Pace Project No./ Lab ID, <u>62166414</u>	
				DATE	TIME			DATE	TIME	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>
1	GWA-1	WT G	G	9/17/03	13:00	17	3	2	1										
2	GWA-2	WT G	G																
3	GWA-3	WT G	G																
4	GWA-4	WT G	G																
5	GWA-11	WT G	G																
6	GWC-5	WT G	G																
7	GWC-6	WT G	G																
8	GWC-7	WT G	G																
9	GWC-8	WT G	G																
10	GWC-9	WT G	G																
11	GWC-10	WT G	G																
12	GWC-18	WT G	G	9/17/03	13:04	21	3	2	1										

**ADDITIONAL COMMENTS**  
Please note dry wells, sites through any wells not sampled, and note when the last sample for the event has been taken.

**REQUIREMENTS BY AFFILIATION**

DATE	TIME	ACCEPTED BY / AFFILIATION
9/17/03	15:10	Bob Ruffe / SCS
9/23/03	19:20	John Hammond / SCS
9/24/03	10:25	John Hammond / SCS
9/24/03	11:36	John Hammond / SCS

**SAAMPLER NAME AND SIGNATURE**  
SAAMPLER NAME: [Signature]  
DATE SIGNED: 9/24/03

**REGULATORY AGENCY:**  NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER

**OWNER Name of SAMPLER:** [Signature]  
**SIGNATURE of SAMPLER:** [Signature]  
**DATE SIGNED:** 9/24/03

Temp in °C: 31  
Received on Ice (Y/N): Y  
Custody Sealed Cooler (Y/N): Y  
Samples Intact (Y/N): Y



# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 4 of 4

<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: Geosynthetic Contacts		<b>Section C</b> Invoicing Information: Attention: Southern Co. Company Name: Address: Pool Queue Reference: Kevin Herring Pool Probe #: 10839-11	
Email To: SCS Contacts Phone: Fax Requested Date Delivered: 10 Day		Purchase Order No.: Project Name: Plant Hammond Hulfaker Semiannual Project Number: GW65818		REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER Site Location: <u>GA</u> STATE:	

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 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 6010/6020* Residual Chlorine (Y/N) pH =	COLLECTED		PRESERVED		ANALYZED		SAMPLE CONDITIONS					
		DATE	TIME	DATE	TIME	DATE	TIME	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
1	GWA-1	WT G											
2	GWA-2	WT G	9/23	1123									
3	GWA-3	WT G	9/23	1056									
4	GWA-4	WT G	9/23	1056									
5	GWA-11	WT G											
6	GWC-5	WT G											
7	GWC-6	WT G											
8	GWC-7	WT G											
9	GWC-8	WT G											
10	GWC-9	WT G											
11	GWC-10	WT G											
12	GWC-18	WT G											

REMOVED BY / AFFILIATION:		DATE:		ACCEPTED BY / AFFILIATION:		DATE:	
PRINT Name of SAMPLER: Chad K. SSB		DATE Signed (MM/DD/YY): 9/25/2020		PRINT Name of SAMPLER: Chad K. SSB		DATE Signed (MM/DD/YY): 9/25/2020	
SIGNATURE of SAMPLER: <i>Chad K. SSB</i>		SIGNATURE of ANALYST: <i>Chad K. SSB</i>		SIGNATURE of ANALYST: <i>Chad K. SSB</i>		SIGNATURE of ANALYST: <i>Chad K. SSB</i>	

Required Note: By signing this form you are accepting these terms and conditions of use. Face Analytical, Inc. is not responsible for any damage to the data or equipment.

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

Page: 3 of 4

**Section B**  
Required Project Information:  
Report To: SCS Contacts  
Copy To: Geosyntec Contacts  
Purchase Order No.:  
Project Name: Plant Hammond Huffaker Semiamual  
Project Number: GWS681B

**Section C**  
Invoice Information:  
Attention: Southern Co.  
Company Name:  
Address:  
Paco Quato  
Reference: Kevin Herring  
Manager:  
Paco Plant #: 10839-11

**REGULATORY AGENCY**  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER OR--  
 Site Location: GA  
 STATE: GA

**Section D**  
Valid Matrix Codes (see valid codes to left)  
 MATRIX CODE SAMPLE TYPE (G=GRAB C=COMP)  
 DATE TIME DATE TIME  
 SAMPLE TEMP AT COLLECTION  
 # OF CONTAINERS  
 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 6010/6020\*

MATRIX CODE	SAMPLE TYPE	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	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 6010/6020*	Residual Chlorine (Y/N)	PH	PH	PH	
GWC-19	G	9/23	1149			20	3	2	1								X	X	X	N				
GWC-20	G						3	2	1								X	X	X	N				
GWC-21	G						3	2	1								X	X	X	N				
GWC-22	G	9/23	1630			20	3	2	1								X	X	X	N				
GWC-23	G						3	2	1								X	X	X	N				
EB-01	G						3	2	1								X	X	X	N				
FB-05	G						3	2	1								X	X	X	N				
FD-05	G						3	2	1								X	X	X	N				

**ADDITIONAL COMMENTS**  
On dry wells, strike through any wells not sampled, and on the last sample for the event has been taken.

**RELINQUISHED BY / AFFILIATION**  
 Thomas Hester / Geosyntec  
 Nicole M. Munn / Paco  
 Date: 9/24/10  
 Time: 11:35  
 Signature: *Thomas Hester*

**ACCEPTED BY / AFFILIATION**  
 Chad R. ... / Paco  
 Nicole M. Munn / Paco  
 Date: 9/23/10  
 Time: 10:25  
 Signature: *Nicole M. Munn*

**SAMPLER NAME AND SIGNATURE**  
 Thomas Hester  
 Signature: *Thomas Hester*  
 Date Signed (MM/DD/YY): 09/23/10

**SAMPLE CONDITIONS**  
 Temp in °C: 3.1  
 Received on Ice (Y/N): Y  
 Custody Sealed Cooler (Y/N): Y  
 Samples Intact (Y/N): Y

**REGULATORY AGENCY**  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER OR--  
 Site Location: GA  
 STATE: GA



### CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 4

<b>Section A</b> Required Client Information:	<b>Section B</b> Required Project Information:	<b>Section C</b> 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: Fax	Project Name: Plant Hammond Huffaker Semiannual	Pace Quote Reference: Kevin Hering	
Requested Due Date/TAT: 10 day	Project Number: GW65818	Pace Project Manager: Kevin Hering	
		Pace Print # 10838-11	
<b>REGULATORY AGENCY</b> <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER			Site Location: GA STATE: GA

ITEM #	Section D Valid Matrix Codes MATRIX CODE (see valid codes to left)	Section D Requested Client Information	COLLECTED				SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test			Residual Chlorine (Y/N)	Pace Project No./ Lab ID.																	
			DATE	TIME	DATE	TIME			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	Chloride, Fluoride, Sulfate			TDS	Metals 6010/6020*															
1	WT G	GWC-19					3	2	1																											
2	WT G	GWC-20					3	2	1																											
3	WT G	GWC-21					3	2	1																											
4	WT G	GWC-22	9/23	1616			3	2	1																											
5	WT G	GWC-23					3	2	1																											
6	WT G	EB-01	9/23	1740			3	2	1																											
7	WT G	FB-05	9/23	1735			3	2	1																											
8	WT G	FD-05					3	2	1																											
9																																				
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.

**REQUISITIONED BY/AFFILIATION**

DATE	TIME	<b>ACCEPTED BY/AFFILIATION</b>	DATE	TIME	<b>SAMPLE CONDITIONS</b>
9/23	1616	Noble Museum GCS	9/23	1912	
9/24	1025	Noble Museum GCS	9/24	1025	
9/24	1135	Noble Museum GCS	9/24	1136	

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: Chad Russo

SIGNATURE of SAMPLER: *Chad Russo*

DATE Signed (MANDATORY): 9/23/20

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

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



### 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 Company: <b>GA Power</b>	Section B Required Project Information Report To: <b>SCS Contacts</b>	Section C Invoice Information Attention: <b>Southern Co.</b>
Address: <b>Atlanta GA</b>	Copy To: <b>Geosynlec Contacts</b>	Company Name: <b>Southern Co.</b>
Email To: <b>SCS Contacts</b>	Purchase Order No:	Address:
Phone: <b>10 Day</b>	Project Name: <b>Plant Hammond and Hufnagle</b>	Face Quote Reference: <b>Kevin Herring</b>
Requested Due Date/TAT: <b>10 Day</b>	Project Number: <b>GW55818</b>	Face Project Manager: <b>Kevin Herring</b>
		Face Project # : <b>10839-11</b>

Requested Analysis Filtered (Y/N)	<input type="checkbox"/>
Requested Analysis Filtered (Y/N)	<input type="checkbox"/>
Requested Analysis Filtered (Y/N)	<input type="checkbox"/>
Requested Analysis Filtered (Y/N)	<input type="checkbox"/>
Requested Analysis Filtered (Y/N)	<input type="checkbox"/>
Requested Analysis Filtered (Y/N)	<input type="checkbox"/>
Requested Analysis Filtered (Y/N)	<input type="checkbox"/>
Requested Analysis Filtered (Y/N)	<input type="checkbox"/>

REGULATORY AGENCY	<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER
	<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER ORR--
Site Location	<b>GA</b>
STATE:	<b>GA</b>

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Residual Chlorine (Y/N)	Sample Conditions		
											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
1	GWA-1	WT G	WT G	G						3											
2	GWV-2	WT G	WT G	G						2											
3	GWV-3	WT G	WT G	G						2											
4	GWV-4	WT G	WT G	G						2											
5	GWV-5	WT G	WT G	G						2											
6	GWV-6	WT G	WT G	G						2											
7	GWV-7	WT G	WT G	G						2											
8	GWV-8	WT G	WT G	G						2											
9	GWV-9	WT G	WT G	G						2											
10	GWV-10	WT G	WT G	G						2											
11	GWV-11	WT G	WT G	G						2											
12	GWV-12	WT G	WT G	G						2											

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

PRINT Name of SAMPLER:	<b>CAD RUSSELL</b>
SIGNATURE of SAMPLER:	<b>CAD RUSSELL</b>
DATE Signed (MM/DD/YY):	<b>9/24/2020</b>
Temp in °C	
Received on Ice (Y/N)	
Custody Sealed Cooler (Y/N)	
Samples Intact (Y/N)	

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



# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 4

**Section A**  
Required Client Information:  
Company: GA Power  
Address: Atlanta, GA

**Section B**  
Required Project Information:  
Report to: SCS Contacts  
Copy to: Geosynetic Contacts

**Section C**  
Invoice Information:  
Attention: Southern Co.  
Company Name:   
Address:   
City:   
State:   
Zip:   
Pace Profile #: 10839-11

**REGULATORY AGENCY**  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER ORS-  
 Site Location STATE: GA

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE WATER: DW WASTE WATER: WW PRODUCT: P SOL/SOLID: SL OIL: OL W/P: WP AIR: AR OTHER: OT TSSUE: TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test			Residual Chlorine (Y/N)			
						TIME	DATE	TIME			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	Y	N	Y	N	Y	N	Y	N					
1	GWVA-1																							
2	GWVA-2																							
3	GWVA-3																							
4	GWVA-4																							
5	GWVA-11																							
6	GWCA-5																							
7	GWCA-6																							
8	GWCA-7																							
9	GWCA-8																							
10	GWCA-9																							
11	GWCA-10																							
12	GWCA-18																							

**REQUISITIONED BY**  
 NAME: Thomas Kessler  
 TITLE: Geosynetic  
 DATE: 09/24/10  
 TIME: 1:30  
 SIGNATURE: [Signature]

**ACCEPTED BY/AFFILIATION**  
 NAME: Thomas Kessler  
 TITLE: Geosynetic  
 DATE: 09/24/10  
 TIME: 1:30  
 SIGNATURE: [Signature]

**REQUISITIONED BY/AFFILIATION**  
 NAME: Thomas Kessler  
 TITLE: Geosynetic  
 DATE: 09/24/10  
 TIME: 1:30  
 SIGNATURE: [Signature]

**ACCEPTED BY/AFFILIATION**  
 NAME: Thomas Kessler  
 TITLE: Geosynetic  
 DATE: 09/24/10  
 TIME: 1:30  
 SIGNATURE: [Signature]

**TEMPERATURE**  
 Temp in °C  
 Received on Ice (Y/N)  
 Custody Sealed Cooler (Y/N)  
 Samples Intact (Y/N)

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

F-ALL-Q-020/rev.07.15-Feb-2007





# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 3 of 4

<b>Section A</b> Required Client Information Company: GA Power Address: Atlanta, GA Email To: SCS Contacts Phone: [ ] Fax: [ ] Requested Due Date/TAT: 10 Day		<b>Section B</b> Required Project Information Report To: SCS Contacts Copy To: Geosyntec Contacts Purchase Order No.: Project Name: Plant Hammond Huffaker - Semiannual Project Number: GW6581B		<b>Section C</b> Invoice Information Attention: Southern Co. Company Name: Address: Pace Quon: Pace Project: Kevin Herring Manager: Pace Field #: 10839-11		<b>REGULATORY AGENCY</b> <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER OR-- Site Location: GA STATE:	
---	--	---	--	--	--	---	--

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DW WATER WT WASTE WATER WW PRODUCT P SOLID S SOLUSOLID SL OIL O WET WF AIR AR OTHER OT TS	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 Y/N	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	pH	pH	pH	pH	pH	SAMPLE CONDITIONS		
																				Temp in °C	Received on Ice (Y/N)	
1																						
2	GWG-10		WT G																			
3	GWG-20		WT G																			
4	GWC-21		WT G	9/24	1:22																	
5	GWG-22		WT G																			
6	GWC-23		WT G																			
7	EB-01		WT G																			
8	EG-05		WT G																			
9	ED-05		WT G																			
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

Relinquished By: Mad Ross  
 Affiliation: Pace  
 Date: 9/24  
 Time: 2:30  
 Accepted By: Mad Ross  
 Affiliation: Pace  
 Date: 9/25  
 Time: 10:45

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

Signature of Sampler: Mad Ross  
 DATE Signed: 9/24/2020

Signature of Sampler: Mad Ross  
 DATE Signed: 9/24/2020



# CHAIN-OF-CUSTODY / Analytical Request Document

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

4

Page: 2/04 4

<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: Southern Co. Address:	
Email To: SCS Contacts Phone:		Purchase Order No.: Project Name: Plant Hamilton Huffaker Semiannual Project Number: GW6581B		Reference: Kevin Herring Pica Project Manager Pica Profile #: 10839-11	
Requested Due Date/TAT: 10 Day		Requested Analysis Filtered (Y/N)		REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER USE	
Site Location STATE: GA		Residual Chlorine (Y/N)		Face Project No./ Lab I.D. 62046514	

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						Analysis Test		Residual Chlorine (Y/N)	pH =	pH =	pH =	pH =
										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					
1	GWC-19	WT G	G						2													
2	GWC-20	WT G	G						2													
3	GWC-21	WT G	G						2													
4	GWC-22	WT G	G						2													
5	GWC-23	WT G	G						2													
6	EB-01	WT G	G						2													
7	FB-05	WT G	G						2													
8	FD-05	WT G	G	9/24					2													
9																						
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.

Relinquished By / Affiliation: Thomas Kessler / Pica
 Date: 09/24/10  
 Time: 12:33

Accepted By / Affiliation: Nelson M. Johnson / Pica  
 Date: 09/24/10  
 Time: 10:45

Sampler Name and Signature: Thomas J. Kessler  
 Date Signed (MM/DD/YY): 09/24/10

Print Name of Sampler: Thomas J. Kessler  
 Signature of Sampler: [Signature]

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



# 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

Section A Required Client Information: Company: GA Power Address: Atlanta, GA		Section B Required Project Information: Report for: SCS Contacts Copy To: Geosyntec Contacts		Section C Invoice Information: Attention: Southan Co.	
Email To: SCS Contacts Phone: _____ Requested Due Date/TIME: 10 Day		Purchase Order No.: _____ Project Name: Plant Hamstead Hdrake Semiannual Project Number: GW6581B		Company Name: _____ Address: _____ Pace Date Reference: _____ Pace Project Manager: Kevin Herring Pace Profile #: 10839-11	
REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER (see _____) Site Location: _____ STATE: GA			Requested Analysis Filtered (Y/N)		

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	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	Residual Chlorine (Y/N)	pH =							
											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	Chloride, Fluoride, Sulfate	TDS	Metals 6010/6020*			
1	GWA-1	WT G	WT G	WT G	9/25	1426	9/25	1725		1																	
2	GWA-2	WT G	WT G	WT G	9/25	2030	9/25/20	2030		1																	
3	GWA-3	WT G	WT G	WT G	9/25	0840	9/25/20	0840		1																	
4	GWA-4	WT G	WT G	WT G	9/25	1360	9/25/20	1360		1																	
5	GWA-11	WT G	WT G	WT G	9/25	1426	9/25/20	1426		1																	
6	GWC-5	WT G	WT G	WT G	9/25	1426	9/25/20	1426		1																	
7	GWC-6	WT G	WT G	WT G	9/25	1426	9/25/20	1426		1																	
8	GWC-7	WT G	WT G	WT G	9/25	1426	9/25/20	1426		1																	
9	GWC-8	WT G	WT G	WT G	9/25	1426	9/25/20	1426		1																	
10	GWC-9	WT G	WT G	WT G	9/25	1426	9/25/20	1426		1																	
11	GWC-10	WT G	WT G	WT G	9/25	1426	9/25/20	1426		1																	
12	GWC-10	WT G	WT G	WT G	9/25	1426	9/25/20	1426		1																	

Additional Comments: \_\_\_\_\_

RELINQUISHED BY / AFFILIATION: \_\_\_\_\_

DATE: 9/25/20

TIME: 1426

ACCEPTED BY / AFFILIATION: \_\_\_\_\_

DATE: 9/25/20

TIME: 1725

SAMPLER NAME AND SIGNATURE: \_\_\_\_\_

DATE Signed (MM/DD/YY): 09/25/20

Temp in °C: \_\_\_\_\_

Received on Ice (Y/N): \_\_\_\_\_

Custody Sealed Cooler (Y/N): \_\_\_\_\_

Samples Intact (Y/N): \_\_\_\_\_

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

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



# CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

### Section A

Required Client Information:  
 Company: **GA Power**  
 Address: **Atlanta, GA**  
 Email To: **SCS Contacts**  
 Phone: **Fac**  
 Requested Due Date/TAT: **10 Day**

### Section B

Required Project Information:  
 Report To: **SCS Contacts**  
 Copy To: **Geosynlec Contacts**  
 Purchase Order No.:  
 Project Name: **Plant Herring and Hufaker Semiannual**  
 Project Number: **GW65818**

### Section C

Invoice Information:  
 Attention: **Southern Co.**  
 Company Name:  
 Address:  
 State Code:  
 Zip Code:  
 Attention:  
 Name: **Kevin Herring**  
 Title: **Manager**  
 Phone Prefix #: **10839-11**

REGULATORY AGENCY  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER OAR-  
 Site Location: **GA**  
 STATE: **GA**

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	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			Residual Chlorine (Y/N)	PH =					
											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>5</sub>	Methanol	Other	Chloride, Fluoride, Sulfate	TDS			Metals 6010/6020*				
1	GWA-1	WT G																									
2	GWA-2	WT G																									
3	GWA-3	WT G																									
4	GWA-4	WT G																									
5	GWA-11	WT G																									
6	GWC-5	WT G																									
7	GWC-6	WT G																									
8	GWC-7	WT G																									
9	GWC-8	WT G																									
10	GWC-9	WT G																									
11	GWC-10	WT G																									
12	GWC-18	WT G																									

RELINQUISHED BY	AFFILIATION	DATE	TIME	ACCEPTED BY	AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
<i>[Signature]</i>		9/18/20	0930	<i>[Signature]</i>		9/25/20	0930	
<i>[Signature]</i>		9/20/20	0940	<i>[Signature]</i>		9/28/20	0940	

**SAMPLER NAME AND SIGNATURE**

PRINT Name of SAMPLER: **CHAD RUSSO**

SIGNATURE of SAMPLER: *[Signature]*

DATE Signed (MM/DD/YY): **9/25/20**

Temp in °C

Received on Ice (Y/N)

Custody Sealed Cooler (Y/N)

Samples Intact (Y/N)

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of .15% per month for any invoices not paid within 30 days.



# 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 Company: GA Power Address: Atlanta, GA Email To: SCS Contacts Phone: <input type="checkbox"/> Fax: <input type="checkbox"/> Requested Due Date/TAT: 10 Day	<b>Section B</b> Required Project Information Report To: SCS Contacts Copy To: Geosyntec Contacts Project Name: Plant Hammond Hulfaker Semiannual Project Number: GW65818 Purchase Order No.:
<b>Section C</b> Invoice Information: Attention: Southern Co. Company Name: Address:	Project Manager: Kevin Hering Pace Project Manager: Pace Profile #: 10839-11 Reference: Requested Analyte Filtered (Y/N):
<b>REGULATORY AGENCY</b> <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER ORN-	
Site Location: <u>GA</u> STATE:	

ITEM #	Section D Required Client Information	Valid Matrix Codes CODE	MATRIX CODE (see valid codes to list)	SAMPLE TYPE (G=GRAB C=COMP)	DATE	TIME	DATE	TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	Preservatives							Analysis Test			Residual Chlorine (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 6010/6020*		
1	GWC-19	DM WW P SL CL WP AR OT TS	WT G	G	9/28	1314			20	3	2	1							X	X	X	N	
2	GWC-20		WT G	G						2	2	1							X	X	X	N	
3	GWS-21		WT G	G						3	2	1							X	X	X	N	
4	GWC-22		WT G	G						3	2	1							X	X	X	N	
5	GWC-23		WT G	G						2	2	1							X	X	X	N	
6	FB-01		WT G	G						3	2	1							X	X	X	N	
7	FB-05		WT G	G						3	2	1							X	X	X	N	
8	FD-05		WT G	G						3	2	1							X	X	X	N	
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Please note dry wells, strike through any wells not sampled, and note when the last sample for the event has been taken.	[Signature]	9/28	1845	[Signature]	9-28	1845	Temp in °C
	[Signature]	9-29	0752	Nuclear Marketing Logo	9/29/20	0752	Received on ice (Y/N)
	[Signature]	9/29/20	0855	[Signature]	9/29/20	0855	Custody Sealed Cooler (Y/N)
	[Signature]	9/29/20	1136	[Signature]	9/29/20	1136	Samples Intact (Y/N)

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

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

November 18, 2020

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

RE: Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92505498

Dear Joju Abraham:

Enclosed are the analytical results for sample(s) received by the laboratory on November 11, 2020. 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

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 Co. Services  
Nardos Tilahun, GeoSyntec  
Dawit Yifru, Geosyntec Consultants, Inc.



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## CERTIFICATIONS

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92505498

---

### **Pace Analytical Services Charlotte**

9800 Kincey 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

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### SAMPLE SUMMARY

Project: HAMMOND HUFFAKER SEMIANNUAL  
Pace Project No.: 92505498

---

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92505498001	GWC-19	Water	11/10/20 14:49	11/11/20 12:12

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



### SUMMARY OF DETECTION

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92505498

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92505498001</b>	<b>GWC-19</b>					
	Performed by	CUSTOME			11/12/20 09:03	
	pH	7.37	Std. Units		11/12/20 09:03	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

### ANALYTICAL RESULTS

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92505498

---

**Sample: GWC-19**      **Lab ID: 92505498001**      Collected: 11/10/20 14:49      Received: 11/11/20 12:12      Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
------------	---------	-------	-----------------	-----	----	----------	----------	---------	------

**Field Data**

Analytical Method:  
Pace Analytical Services - Charlotte

Performed by	<b>CUSTOMER</b>				1		11/12/20 09:03		
pH	<b>7.37</b>	Std. Units			1		11/12/20 09:03		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALIFIERS

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92505498

---

### 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.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HAMMOND HUFFAKER SEMIANNUAL

Pace Project No.: 92505498

---

<b>Lab ID</b>	<b>Sample ID</b>	<b>QC Batch Method</b>	<b>QC Batch</b>	<b>Analytical Method</b>	<b>Analytical Batch</b>
92505498001	GWC-19				

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



www.paceanalytical.com

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

**WO# : 92505498**



92505498

<b>Section A</b> Required Client Information:		<b>Section B</b> Required Project Information:		<b>Section C</b> Invoice Information:	
Company: GA Power	Address: Atlanta, GA	Report To: SCS Contacts	Copy To: Geosynthetic Contacts	Attention: Southern Co.	Company Name: Southern Co.
Phone: SCS Contacts	Requested Due Date/TAT: 10 Day	Purchase Order No.:	Project Name: Plant Hammond Hurlaker Semiannual (R)	Address:	REGULATORY AGENCY
Fax:		Project Number: GW65818	Project Number: GW65818	Price Quote:	<input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER
				Reference:	<input type="checkbox"/> UST <input type="checkbox"/> RCRA <input checked="" type="checkbox"/> OTHER
				Price Priced Manager:	Site Location: <input type="checkbox"/> GA
				Price File No. #:	STATE: _____

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	pH = 7.37 Pace Project No./ Lab ID.
			DATE	TIME			DATE	TIME	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH				
1	GWC-19	(A-2, O-9 / -) Sample IDs MUST BE UNIQUE	11/10	1449	18	1	Unpreserved									
2																
3																
4																
5																
6																
7																
8																
9																
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.		RELINQUISHED BY / AFFILIATION Thomas Hester Green Lynn Williams Pa		DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
				11/11	1437	Lynn Williams Pa	11/12	1437

SAMPLER NAME AND SIGNATURE PRINT Name of SAMPLER: Thomas Hester SIGNATURE of SAMPLER: <i>Thomas Hester</i>		DATE Signed (MM/DD/YYYY): 11/10/08
--	--	------------------------------------

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

# Validation Reports

## Memorandum

Date: August 11, 2020  
To: Whitney Law  
From: Kristoffer Henderson  
CC: J. Caprio  
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 2630525**

### **SITE: Plant Hammond-Huffaker Road Landfill**

#### **INTRODUCTION**

This report summarizes the findings of the Stage 2A data validation of seventeen aqueous samples, one field duplicate sample, one equipment blank and one field blank, collected 26-31 March 2020, as part of the Plant Hammond-Huffaker Road Landfill on-site sampling event.

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

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

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

- Anions by USEPA Method 300.0

#### **EXECUTIVE SUMMARY**

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

The data were reviewed based on the pertinent methods referenced in the laboratory report, 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, January 2017 (EPA 540-R-2017-001);

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

Laboratory ID	Client ID
2630525001	GWA-2
2630525002	GWA-1
2630525003	GWC-23
2630525004	FB-05
2630525005	GWA-4
2630525006	GWA-3
2630525007	GWA-11
2630525008	GWC-9
2630525009	GWC-8
2630525010	GWC-10

Laboratory ID	Client ID
2630525011	FD-05
2630525012	GWC-7
2630525013	EB-01
2630525014	GWC-18
2630525015	GWC-6
2630525016	GWC-5
2630525017	GWC-19
2630525018	GWC-20
2630525019	GWC-21
2630525020	GWC-22

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

The following issues were noted with the chain of custody (COC) forms:

- EB-01 was listed as EB-05 on the COC. The ID was changed per the client's request.
- The year was missing from the collection times for the samples listed on pages 1, 3, 5 and 7 of the COC. The samples were logged in with the collection year of 2020.
- A collection time was not listed on the COC for the field duplicate. The field duplicate was logged in with the collection time of 00:00.

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

## 1.0 METALS

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

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
- ⊗ Equipment Blank
- ⊗ Field Blank
- ✓ Field Duplicate
- ✓ 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 these analyses, for this sample set 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). Seven method blanks were reported (batches 45185, 45190, 45218, 45184, 45189, 45226 and 45956). Metals were not detected in the method blanks above the method detection limits (MDLs), with the following exceptions.

Arsenic and vanadium were detected in the method blanks in batches 45189, 45226 and 45956 at estimated concentrations greater than the MDLs and reporting limit (RLs). Since vanadium was not detected in the associated samples, no qualifications were applied to the vanadium data. However, the estimated arsenic concentrations in the associated samples were U qualified as not detected at the RL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
EB-01	Arsenic	0.00036	J B	0.0050	U	3
GWC-18	Arsenic	0.00073	J B	0.0050	U	3
GWC-21	Arsenic	0.00035	J B	0.0050	U	3

mg/L-milligrams per liter

J-estimated concentration greater than the MDL and less than the RL

B-laboratory flag indicating analyte was detected in both the method blank and sample

\* 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

#### 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 sample set specific MS/MSD pair was reported using sample GWC-23. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria.

Six batch MS/MSD pairs were also reported. Since these were batch QC, the results do not affect the samples in this sample 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). Seven LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

#### 1.6 Equipment Blank

One equipment blank was collected with the sample set, EB-01. Metals were not detected in the equipment blank above the MDLs, with the following exceptions.

Arsenic and boron were detected in EB-01 at estimated concentrations greater than the MDLs and less than the RLs. Since the arsenic concentration in EB-01 was U qualified due to method blank contamination, no additional qualifications were applied to the data. However, the estimated boron concentrations in the associated samples were U qualified as not detected at the RL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
GWA-2	Boron	0.092	J	0.10	U	3
GWA-1	Boron	0.022	J	0.10	U	3
GWC-23	Boron	0.042	J	0.10	U	3
GWA-4	Boron	0.086	J	0.10	U	3
GWA-11	Boron	0.041	J	0.10	U	3
GWC-9	Boron	0.018	J	0.10	U	3
GWC-8	Boron	0.056	J	0.10	U	3
GWC-10	Boron	0.040	J	0.10	U	3
FD-05	Boron	0.039	J	0.10	U	3
GWC-7	Boron	0.049	J	0.10	U	3
GWC-6	Boron	0.091	J	0.10	U	3
GWC-5	Boron	0.057	J	0.10	U	3

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
GWC-20	Boron	0.024	J	0.10	U	3
GWC-21	Boron	0.022	J	0.10	U	3
GWC-22	Boron	0.067	J	0.10	U	3

mg/L-milligrams per liter

J-estimated concentration greater than the MDL and less than the RL

### 1.7 Field Blank

One field blank was collected with the sample set, FB-05. Metals were not detected in the field blank above the MDLs, with the following exceptions.

Chromium was detected in FB-05 at an estimated concentration greater than the MDL and less than the RL. Therefore, the estimated chromium concentrations in the associated samples were U qualified as not detected at the RL.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier	Reason Code
GWA-2	Chromium	0.00043	J	0.010	U	3
GWA-4	Chromium	0.0013	J	0.010	U	3
GWA-3	Chromium	0.00062	J	0.010	U	3
FD-05	Chromium	0.00056	J	0.010	U	3
GWC-7	Chromium	0.00041	J	0.010	U	3
GWC-18	Chromium	0.00071	J	0.010	U	3
GWC-6	Chromium	0.00085	J	0.010	U	3
GWC-19	Chromium	0.00042	J	0.010	U	3
GWC-21	Chromium	0.00093	J	0.010	U	3
GWC-22	Chromium	0.0015	J	0.010	U	3

mg/L-milligrams per liter

J-estimated concentration greater than the MDL and less than the RL

### 1.8 Field Duplicate

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

### 1.9 Sensitivity

The samples were reported to the MDLs. Elevated nondetect results were not reported.

### **1.10 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. The laboratory flag B used in the level II report was not included in the EDD. No other discrepancies were identified between the level II report and the EDD.

## **2.0 WET CHEMISTRY**

The samples were analyzed for anions (chloride, fluoride and sulfate) by USEPA method 300.0 and TDS by Standard Method 2540C.

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 sample set is 100%.

### **2.2 Holding Times**

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

### **2.3 Method Blank**

Six method blanks were reported for the anions (batches 533972, 533983, 533985, 534237, 534273 and 534464). The anions were not detected in the method blanks above the MDLs.

### **2.4 Matrix Spike/Matrix Spike Duplicate**

One sample set specific MS/MSD pair was reported for the anions using sample GWC-10. The recovery and RPD results were within the laboratory specified acceptance criteria.

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

### **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). LCSs were reported for the anions and TDS. The recovery results were within the laboratory specified acceptance criteria.

### **2.6 Laboratory Duplicate**

Two sample set specific laboratory duplicates were reported for TDS, using samples GWC-23 and GWC-20. The RPD results were within the laboratory specified acceptance criteria.

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

### **2.7 Equipment Blank**

One equipment blank was collected with the sample set, EB-01. 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-05. The wet chemistry parameters were not detected in the field blank above the MDLs.

### **2.9 Field Duplicate**

One field duplicate, FD-05, was collected with the sample set. Acceptable precision ( $RPD \leq 20\%$  or the difference  $< RL$ ) 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.

---

\* \* \* \* \*

**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 recovery outside limits
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

RPD-relative percent difference



## Memorandum

Date: August 11, 2020  
To: Whitney Law  
From: Kristoffer Henderson  
CC: J. Caprio  
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92482800**

### **SITE: Plant Hammond-Huffaker Road Landfill**

#### **INTRODUCTION**

This report summarizes the findings of the Stage 2A data validation of six aqueous samples collected 18-19 June 2020, as part of the Plant Hammond-Huffaker Road Landfill on-site sampling event.

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

- Calcium by United States Environmental Protection Agency (USEPA) Methods 3010A/6020B
- Barium and Boron by USEPA Methods 3005A/6020B

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

- Chloride by USEPA Method 300.0

#### **EXECUTIVE SUMMARY**

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

The data were reviewed based on the pertinent methods referenced in the laboratory report, 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, January 2017 (EPA 540-R-2017-001);

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

Laboratory ID	Client ID
92482800001	GWC-6
92482800002	GWC-10
92482800003	GWC-7

Laboratory ID	Client ID
92482800004	GWC-19
92482800005	GWC-20
92482800006	GWC-8

The samples were received within 0-6°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 samples were analyzed for calcium by USEPA methods 3010A/6010D and barium and boron 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
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ 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 these analyses, for this sample set 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 550184, 548895 and 549351). 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 using samples GWC-6, GWC-19 and GWC-8. The recovery and relative percent difference (RPD) results were within the laboratory specified acceptance criteria, with the following exceptions.

The recoveries of calcium in the MS/MSD pair using sample GWC-19 were low and outside the laboratory specified acceptance criteria. Since the calcium concentration in sample GWC-19 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 Equipment Blank**

An equipment blank was not collected with the sample set.

## **1.7 Field Blank**

A field blank was not collected with the sample set.

## **1.8 Field Duplicate**

A field duplicate was not collected with the sample set.

## **1.9 Sensitivity**

The samples were reported to the MDLs. Elevated nondetect results were not reported.

### **1.10 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. The laboratory flag M1 used in the level II report was not included in the EDD. No other discrepancies were identified between the level II report and the EDD.

## **2.0 CHLORIDE**

The samples were analyzed for chloride 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
- ✓ Equipment Blank
- ✓ Field Blank
- ✓ Field Duplicate
- ✓ Sensitivity
- ✓ Electronic Data Deliverables Review

### **2.1 Overall Assessment**

The chloride 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 sample set is 100%.

### **2.2 Holding Times**

The holding times for the chloride analyses of a water sample are 28 days from sample collection to analysis. The holding times were met for the sample analyses.

### **2.3 Method Blank**

One method blank was reported (batch 549586). Chloride was not detected in the method blank above the MDL.

### **2.4 Matrix Spike/Matrix Spike Duplicate**

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

### **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). One LCS was reported. The recovery result was within the laboratory specified acceptance criteria.

### **2.6 Equipment Blank**

An equipment blank was not collected with the sample set.

### **2.7 Field Blank**

A field blank was not collected with the sample set.

### **2.8 Field Duplicate**

A field duplicate was not collected with the sample set.

### **2.9 Sensitivity**

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

### **2.10 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 recovery outside limits
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

RPD-relative percent difference

## Memorandum

Date: December 14, 2020  
To: Whitney Law  
From: Kristoffer Henderson  
CC: J. Caprio  
Subject: **Stage 2A Data Validation - Level II Data Deliverable – Pace Analytical Services, LLC Project Number 92496914**

**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 21-28 September 2020, 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, January 2017 (EPA 540-R-2017-001); 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
92496914001	GWA-2
92496914002	GWA-11
92496914003	GWA-1
92496914004	GWA-3
92496914005	GWA-4
92496914006	GWC-20
92496914007	GWC-23
92496914008	GWC-22
92496914009	EB-01
92496914010	FB-05

Laboratory ID	Client ID
92496914011	GWC-7
92496914012	GWC-8
92496914013	GWC-9
92496914014	GWC-18
92496914015	GWC-21
92496914016	FD-05
92496914017	GWC-5
92496914018	GWC-6
92496914019	GWC-10
92496914020	GWC-19

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

The following issues were noted with the chain of custody (COC) forms:

- There were time discrepancies for the third sample transfer on pages 4 and 6 of the COC. The *relinquished by* time was documented as 9/24/20 1135 and the *received by* time was documented as 9/24/20 1136.
- There were time discrepancies for the fourth sample transfer on page 5 of the COC. The *relinquished by* time was documented as 9/24/20 1135 and the *received by* time was documented as 9/24/20 1136.
- The year was not documented for the *relinquished by* and *received by* dates for the first transfer and the *relinquished by* date for the second transfer on pages 1, 3, 5, 7, 8 and 13 of the COC.
- The year was not documented for the *relinquished by* date for the first transfer on pages 2, 4, 6 and 9 of the COC.
- The year was not documented for the collection times of the samples. The samples were logged in with the collection year of 2020.
- The *received by* signature, date and time were not documented for the fourth sample transfer on pages 7, 8, 10 and 11 on the COC.

- The *received by* signature, date and time were not documented for the third sample transfer on pages 9 and 12 on the COC.
- A collection time was not documented on the COC for field duplicate, FD-05. FD-05 was logged in with the collection time of 00:00.

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

The laboratory report was revised on October 19, 2020 to correct the pH results.

## 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). Eleven method blanks were reported (batches 568748, 569461, 569776, 569777, 570301, 570395, 569670, 570000, 570006, 570375 and 570626). Metals were not detected in the method blanks above the method detection limits (MDLs) with the following exception.

Nickel was detected in the method blank in batch 570006 at an estimated concentration greater than the MDL and less than the reporting limit (RL). Therefore, the estimated nickel concentrations in the associated samples were U qualified as not detected at the RL based on technical and professional judgement.

Sample	Analyte	Laboratory Result (mg/L)	Laboratory Flag	Validation Result (mg/L)	Validation Qualifier*	Reason Code**
GWC-8	Nickel	0.0010	J B	0.005	U	3
GWC-9	Nickel	0.0024	J B	0.005	U	3
GWC-18	Nickel	0.0011	J B	0.005	U	3
FD-05	Nickel	0.00093	J B	0.005	U	3

mg/L-milligrams per liter

J-estimated concentration greater than the MDL and less than the RL

B-laboratory flag indicating analyte was detected in both the sample and method blank

\* 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

### 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). Sample set specific MS/MSD pairs were reported by USEPA method 6010D using sample GWC-18 and by USEPA method 6020B using samples GWC-7 and GWC-19. 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.

Eight 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). Eleven LCSs were reported. The recovery results were within the laboratory specified acceptance criteria.

### **1.6 Laboratory Duplicate**

One batch laboratory duplicate 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.

### **1.7 Equipment Blank**

One equipment blank was collected with the sample set, EB-01. 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-04. 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, FD-05. Acceptable precision (RPD  $\leq$  20% or the difference between the concentrations  $<$  RL) was demonstrated between the field duplicate and the original sample, GWC-8.

### **1.10 Sensitivity**

The samples were reported to the MDLs. Elevated nondetect results were not 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. The laboratory flags B and M1 used in the level II report were not included in the EDD. No other 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). Six method blanks were reported for TDS (batches 568648, 568649, 569350, 569874, 570219 and 570220) and four method blanks were reported for the anions (batches 569204, 569515, 569516 and 570137). 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). Three sample set specific MS/MSD pairs were reported for the

anions using samples EB-01, FB-05 and GWC-6. The recovery and RPD results were within the laboratory specified acceptance criteria, with the following exception.

The recovery of fluoride in the MSD using sample GWC-6 was high and outside the laboratory specified acceptance criteria. Therefore, the estimated fluoride concentration greater than the MDL and less than the RL in sample GWC-6 was J qualified as estimated.

Five 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-6	Fluoride	0.063	J M1	0.063	J	4

mg/L-milligrams per liter

J-estimated concentration greater than the MDL and less than the RL

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

## 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). Seven 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

One sample set specific laboratory duplicate was reported using sample GWA-11. The RPD result was within the laboratory specified acceptance criteria.

Nine 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-01. 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-04. 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, FD-05. Acceptable precision (RPD  $\leq 20\%$  or the difference between the concentrations  $< RL$ ) was demonstrated between the field duplicate and the original sample, GWC-8.

## **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

## APPENDIX D2

### Field Data Sheets

# Purge Logs

# Low-Flow Test Report:

**Test Date / Time:** 3/26/2020 12:06:38 PM

**Project:** Plant Hammond

**Operator Name:** Chad Russo

<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: 39.83 ft</b> <b>Initial Depth to Water: 10.01 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly ethylene</b> <b>Pump Intake From TOC: 35 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: 0.51 ft</b>	<b>Instrument Used: SmarTROLL MP</b> <b>Serial Number: 364452</b>
---	---	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0); and one 250-mL plastic bottle with HNO3 for App. III and IV metals (EPA 6020B).

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
3/26/2020 12:06 PM	00:00	7.14 pH	15.89 °C	145.27 µS/cm	5.39 mg/L		134.1 mV	10.01 ft	200.00 ml/min
3/26/2020 12:11 PM	05:00	7.16 pH	15.86 °C	145.21 µS/cm	5.49 mg/L	1.27 NTU	50.8 mV	10.38 ft	200.00 ml/min
3/26/2020 12:16 PM	10:00	7.15 pH	15.84 °C	145.34 µS/cm	5.28 mg/L	1.13 NTU	40.9 mV	10.40 ft	200.00 ml/min
3/26/2020 12:21 PM	15:00	7.06 pH	15.98 °C	144.25 µS/cm	3.80 mg/L	1.13 NTU	-2.5 mV	10.42 ft	200.00 ml/min
3/26/2020 12:26 PM	20:00	7.07 pH	15.98 °C	144.59 µS/cm	3.72 mg/L	1.21 NTU	-2.8 mV	10.44 ft	200.00 ml/min
3/26/2020 12:31 PM	25:00	7.06 pH	16.07 °C	145.11 µS/cm	2.95 mg/L	1.40 NTU	-13.5 mV	10.45 ft	200.00 ml/min
3/26/2020 12:36 PM	30:00	7.06 pH	16.02 °C	144.97 µS/cm	2.67 mg/L	0.85 NTU	-22.8 mV	10.47 ft	200.00 ml/min
3/26/2020 12:41 PM	35:00	7.06 pH	16.16 °C	143.38 µS/cm	2.39 mg/L	0.67 NTU	-29.1 mV	10.47 ft	200.00 ml/min
3/26/2020 12:46 PM	40:00	7.05 pH	16.20 °C	141.80 µS/cm	2.15 mg/L	0.62 NTU	-31.0 mV	10.48 ft	200.00 ml/min
3/26/2020 12:51 PM	45:00	7.04 pH	16.23 °C	141.44 µS/cm	1.85 mg/L	1.29 NTU	-38.3 mV	10.50 ft	200.00 ml/min
3/26/2020 12:56 PM	50:00	7.04 pH	16.26 °C	139.47 µS/cm	1.76 mg/L	0.65 NTU	-37.7 mV	10.51 ft	200.00 ml/min
3/26/2020 1:01 PM	55:00	7.02 pH	16.32 °C	136.35 µS/cm	1.79 mg/L	0.91 NTU	-41.5 mV	10.52 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

GWA-1

Grab

Created using VuSitu from In-Situ, Inc.

# Low-Flow Test Report:

Test Date / Time: 3/26/2020 10:20:40 AM

Project: Plant Hammond

Operator Name: Chad Russo

<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: 16 ft</b> <b>Total Depth: 25.92 ft</b> <b>Initial Depth to Water: 4.65 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly ethylene</b> <b>Pump Intake From TOC: 20 ft</b> <b>Estimated Total Volume Pumped: 4 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.37 ft</b>	<b>Instrument Used: SmarTROLL MP</b> <b>Serial Number: 364452</b>
--	--	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO<sub>4</sub> (EPA 300.0); and one 250-mL plastic bottle with HNO<sub>3</sub> for App. III and IV metals (EPA 6020B).

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
3/26/2020 10:20 AM	00:00	7.04 pH	14.45 °C	389.66 µS/cm	0.24 mg/L		-59.5 mV		200.00 ml/min
3/26/2020 10:25 AM	05:00	7.06 pH	14.68 °C	389.67 µS/cm	0.20 mg/L	2.27 NTU	-46.8 mV	5.01 ft	200.00 ml/min
3/26/2020 10:30 AM	10:00	7.07 pH	14.81 °C	389.41 µS/cm	0.16 mg/L	2.95 NTU	-48.0 mV	5.01 ft	200.00 ml/min
3/26/2020 10:35 AM	15:00	7.07 pH	14.99 °C	389.34 µS/cm	0.14 mg/L	0.43 NTU	-46.7 mV	5.02 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWA-2	Grab

Product Name: Low-Flow System

Date: 2020-03-26 12:23:49

Project Information:

Operator Name Aaron Reeder  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 440279  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 18 ft

Pump placement from TOC ft

Well Information:

Well ID GWA-3  
Well diameter 2 in  
Well Total Depth 21.45 ft  
Screen Length 10 ft  
Depth to Water 3.95 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1703416 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:06:45	300.05	17.45	6.98	757.88	4.65	4.35	0.58	29.52
Last 5	12:11:45	600.03	16.69	6.96	769.42	5.59	4.31	0.25	22.59
Last 5	12:16:45	900.03	16.79	6.93	760.25	4.49	4.31	0.14	20.01
Last 5	12:21:45	1200.03	16.86	6.87	748.01	4.81	4.30	0.13	19.17
Last 5									
Variance 0			-0.76	-0.02	11.54			-0.33	-6.93
Variance 1			0.10	-0.04	-9.17			-0.11	-2.59
Variance 2			0.07	-0.06	-12.23			-0.01	-0.84

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0); and one 250-mL plastic bottle with HNO3 for App. III and IV metals (EPA 6020B).

Grab Samples

GWA-3  
Grab

Product Name: Low-Flow System

Date: 2020-03-26 11:16:33

Project Information:

Operator Name Aaron Reeder  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 440279  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 18 ft

Pump placement from TOC ft

Well Information:

Well ID GWA-4  
Well diameter 2 in  
Well Total Depth 21.51 ft  
Screen Length 10 ft  
Depth to Water 7.95 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1703416 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 10 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:53:33	1800.03	14.80	6.83	760.55	0.73	8.27	0.57	63.75
Last 5	10:58:33	2100.03	14.85	6.78	757.91	0.49	8.30	0.50	53.46
Last 5	11:03:33	2400.03	14.90	6.78	755.43	1.06	8.31	0.49	43.22
Last 5	11:08:33	2700.04	14.99	6.76	756.30	0.35	8.31	0.44	33.80
Last 5	11:13:33	3000.04	15.05	6.74	752.74	0.56	8.32	0.42	27.65
Variance 0			0.05	-0.00	-2.47			-0.02	-10.24
Variance 1			0.09	-0.02	0.86			-0.04	-9.43
Variance 2			0.06	-0.02	-3.56			-0.02	-6.15

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0); and one 250-mL plastic bottle with HNO3 for App. III and IV metals (EPA 6020B).

Grab Samples

GWA-4  
Grab



Product Name: Low-Flow System

Date: 2020-03-26 15:48:19

Project Information:

Operator Name Aaron Reeder  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 440279  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 34 ft

Pump placement from TOC ft

Well Information:

Well ID GWA-11  
Well diameter 2 in  
Well Total Depth 36.21 ft  
Screen Length 10 ft  
Depth to Water 15.26 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2417564 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 16.25 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:25:28	3300.04	17.50	6.86	199.31	12.80	15.71	0.91	-35.19
Last 5	15:30:28	3600.04	17.62	6.86	198.56	13.40	15.71	0.81	-36.24
Last 5	15:35:28	3900.04	17.54	6.84	199.36	11.48	15.71	0.63	-37.41
Last 5	15:40:28	4200.04	17.54	6.85	199.61	10.92	15.71	0.64	-37.78
Last 5	15:45:28	4500.04	17.68	6.83	199.73	4.83	15.71	0.63	-38.22
Variance 0			-0.08	-0.02	0.81			-0.18	-1.17
Variance 1			0.00	0.01	0.25			0.01	-0.37
Variance 2			0.13	-0.01	0.11			-0.01	-0.44

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0); and one 250-mL plastic bottle with HNO3 for App. III and IV metals (EPA 6020B).

Grab Samples

GWA-11  
Grab

# Low-Flow Test Report:

**Test Date / Time:** 3/31/2020 1:30:00 PM

**Project:** Plant Hammond

**Operator Name:** Chad Russo

<b>Location Name:</b> GWC-5 <b>Well Diameter:</b> 2 in <b>Casing Type:</b> PVC <b>Screen Length:</b> 10 ft <b>Top of Screen:</b> 11.5 ft <b>Total Depth:</b> 21.54 ft <b>Initial Depth to Water:</b> 4.24 ft	<b>Pump Type:</b> Peristaltic <b>Tubing Type:</b> Poly ethylene <b>Pump Intake From TOC:</b> 16.5 ft <b>Estimated Total Volume Pumped:</b> 4 liter <b>Flow Cell Volume:</b> 90 ml <b>Final Flow Rate:</b> 200 ml/min <b>Final Draw Down:</b> 0.12 ft	<b>Instrument Used:</b> SmarTROLL MP <b>Serial Number:</b> 364452
--	--	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO<sub>4</sub> (EPA 300.0); and one 250-mL plastic bottle with HNO<sub>3</sub> for App. III and IV metals (EPA 6020B).

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
3/31/2020 1:30 PM	00:00	6.83 pH	15.48 °C	607.01 µS/cm	0.26 mg/L		42.3 mV	4.24 ft	200.00 ml/min
3/31/2020 1:35 PM	05:00	6.82 pH	15.21 °C	606.64 µS/cm	0.17 mg/L	4.39 NTU	8.3 mV	4.36 ft	200.00 ml/min
3/31/2020 1:40 PM	10:00	6.82 pH	15.08 °C	607.25 µS/cm	0.14 mg/L	3.18 NTU	1.0 mV	4.36 ft	200.00 ml/min
3/31/2020 1:45 PM	15:00	6.82 pH	15.12 °C	604.63 µS/cm	0.12 mg/L	4.45 NTU	-7.4 mV	4.36 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-5	Grab

# Low-Flow Test Report:

**Test Date / Time:** 3/31/2020 11:33:06 AM

**Project:** Plant Hammond

**Operator Name:** Chad Russo

<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: 33 ft</b> <b>Total Depth: 42.9 ft</b> <b>Initial Depth to Water: 14.50 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly ethylene</b> <b>Pump Intake From TOC: 38 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: 0.09 ft</b>	<b>Instrument Used: SmarTROLL MP</b> <b>Serial Number: 364452</b>
--	---	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0); and one 250-mL plastic bottle with HNO3 for App. III and IV metals (EPA 6020B).

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
3/31/2020 11:33 AM	00:00	7.38 pH	15.14 °C	490.55 µS/cm	5.43 mg/L		149.6 mV		200.00 ml/min
3/31/2020 11:38 AM	05:00	7.38 pH	16.03 °C	483.38 µS/cm	5.08 mg/L	4.58 NTU	39.8 mV	14.59 ft	200.00 ml/min
3/31/2020 11:43 AM	10:00	7.28 pH	16.11 °C	484.94 µS/cm	3.28 mg/L	4.83 NTU	-67.7 mV	14.59 ft	200.00 ml/min
3/31/2020 11:48 AM	15:00	7.22 pH	16.17 °C	487.12 µS/cm	1.83 mg/L	3.54 NTU	-82.2 mV	14.59 ft	200.00 ml/min
3/31/2020 11:53 AM	20:00	7.22 pH	16.56 °C	486.54 µS/cm	1.60 mg/L	3.68 NTU	-82.7 mV	14.59 ft	200.00 ml/min
3/31/2020 11:58 AM	25:00	7.22 pH	16.48 °C	486.39 µS/cm	1.38 mg/L	2.70 NTU	-83.0 mV	14.59 ft	200.00 ml/min
3/31/2020 12:03 PM	30:00	7.20 pH	16.42 °C	487.05 µS/cm	0.95 mg/L	2.37 NTU	-85.9 mV	14.59 ft	200.00 ml/min
3/31/2020 12:08 PM	35:00	7.21 pH	16.43 °C	487.93 µS/cm	0.92 mg/L	2.43 NTU	-85.0 mV	14.59 ft	200.00 ml/min
3/31/2020 12:13 PM	40:00	7.18 pH	16.56 °C	492.75 µS/cm	0.71 mg/L	2.40 NTU	-87.2 mV	14.59 ft	200.00 ml/min
3/31/2020 12:18 PM	45:00	7.18 pH	16.71 °C	494.17 µS/cm	0.56 mg/L	1.78 NTU	-87.9 mV	14.59 ft	200.00 ml/min
3/31/2020 12:23 PM	50:00	7.18 pH	16.83 °C	497.60 µS/cm	0.49 mg/L	2.76 NTU	-88.5 mV	14.59 ft	200.00 ml/min
3/31/2020 12:28 PM	55:00	7.17 pH	16.65 °C	500.20 µS/cm	0.49 mg/L	1.87 NTU	-87.4 mV	14.59 ft	200.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

GWC-6

Grab

Created using VuSitu from In-Situ, Inc.

# Low-Flow Test Report:

Test Date / Time: 3/30/2020 1:00:17 PM

Project: Plant Hammond

Operator Name: Chad Russo

<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: 22 ft</b> <b>Total Depth: 32.12 ft</b> <b>Initial Depth to Water: 12.99 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly ethylene</b> <b>Pump Intake From TOC: 27 ft</b> <b>Estimated Total Volume Pumped: 28 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.31 ft</b>	<b>Instrument Used: SmarTROLL MP</b> <b>Serial Number: 364452</b>
---	---	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO<sub>4</sub> (EPA 300.0); and one 250-mL plastic bottle with HNO<sub>3</sub> for App. III and IV metals (EPA 6020B).

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
3/30/2020 1:00 PM	00:00	6.93 pH	17.51 °C	470.56 µS/cm	0.65 mg/L		-7.6 mV	12.99 ft	200.00 ml/min
3/30/2020 1:05 PM	05:00	6.90 pH	17.59 °C	466.33 µS/cm	0.56 mg/L	24.30 NTU	-18.9 mV	13.36 ft	200.00 ml/min
3/30/2020 1:10 PM	10:00	6.88 pH	17.37 °C	462.58 µS/cm	0.39 mg/L	16.80 NTU	-23.9 mV	13.36 ft	200.00 ml/min
3/30/2020 1:15 PM	15:00	6.84 pH	17.84 °C	457.42 µS/cm	0.26 mg/L	16.70 NTU	-28.8 mV	13.36 ft	200.00 ml/min
3/30/2020 1:20 PM	20:00	6.83 pH	17.99 °C	450.78 µS/cm	0.19 mg/L	11.90 NTU	-29.6 mV	13.36 ft	200.00 ml/min
3/30/2020 1:25 PM	25:00	6.79 pH	18.12 °C	447.65 µS/cm	0.15 mg/L	10.32 NTU	-32.8 mV	13.36 ft	200.00 ml/min
3/30/2020 1:30 PM	30:00	6.78 pH	17.95 °C	438.28 µS/cm	0.13 mg/L	11.79 NTU	-34.3 mV	13.36 ft	200.00 ml/min
3/30/2020 1:35 PM	35:00	6.76 pH	17.72 °C	436.23 µS/cm	0.12 mg/L	10.43 NTU	-34.5 mV	13.36 ft	200.00 ml/min
3/30/2020 1:40 PM	40:00	6.72 pH	17.81 °C	429.90 µS/cm	0.11 mg/L	7.80 NTU	-35.3 mV	13.36 ft	200.00 ml/min
3/30/2020 1:45 PM	45:00	6.70 pH	17.95 °C	425.27 µS/cm	0.29 mg/L	8.02 NTU	-36.4 mV	13.36 ft	200.00 ml/min
3/30/2020 1:50 PM	50:00	6.70 pH	17.75 °C	423.27 µS/cm	0.20 mg/L	8.26 NTU	-38.1 mV	13.36 ft	200.00 ml/min
3/30/2020 1:55 PM	55:00	6.67 pH	17.90 °C	417.57 µS/cm	0.14 mg/L	5.87 NTU	-37.9 mV	13.36 ft	200.00 ml/min
3/30/2020 2:00 PM	01:00:00	6.65 pH	17.99 °C	412.37 µS/cm	0.12 mg/L	4.72 NTU	-37.7 mV	13.36 ft	200.00 ml/min
3/30/2020 2:05 PM	01:05:00	6.64 pH	17.99 °C	410.22 µS/cm	0.11 mg/L	4.65 NTU	-37.6 mV	13.36 ft	200.00 ml/min
3/30/2020 2:10 PM	01:10:00	6.63 pH	17.95 °C	408.17 µS/cm	0.10 mg/L	4.72 NTU	-37.9 mV	13.36 ft	200.00 ml/min

3/30/2020 2:15 PM	01:15:00	6.59 pH	17.86 °C	400.13 µS/cm	0.08 mg/L	4.24 NTU	-35.6 mV	13.36 ft	200.00 ml/min
3/30/2020 2:20 PM	01:20:00	6.60 pH	17.99 °C	399.24 µS/cm	0.08 mg/L	3.82 NTU	-36.1 mV	13.36 ft	200.00 ml/min
3/30/2020 2:25 PM	01:25:00	6.59 pH	17.89 °C	398.84 µS/cm	0.08 mg/L	3.70 NTU	-35.9 mV	13.36 ft	200.00 ml/min
3/30/2020 2:30 PM	01:30:00	6.58 pH	17.98 °C	397.59 µS/cm	0.08 mg/L	3.81 NTU	-35.8 mV	13.36 ft	200.00 ml/min
3/30/2020 2:35 PM	01:35:00	6.54 pH	17.92 °C	391.87 µS/cm	0.27 mg/L	3.18 NTU	-32.3 mV	13.36 ft	200.00 ml/min
3/30/2020 2:40 PM	01:40:00	6.55 pH	17.94 °C	391.34 µS/cm	0.18 mg/L	3.52 NTU	-33.0 mV	13.36 ft	200.00 ml/min
3/30/2020 2:45 PM	01:45:00	6.54 pH	18.02 °C	391.84 µS/cm	0.12 mg/L	3.52 NTU	-33.2 mV	13.36 ft	200.00 ml/min
3/30/2020 2:50 PM	01:50:00	6.52 pH	18.00 °C	388.81 µS/cm	0.09 mg/L	3.38 NTU	-32.6 mV	13.36 ft	200.00 ml/min
3/30/2020 2:55 PM	01:55:00	6.54 pH	17.81 °C	390.88 µS/cm	0.09 mg/L	4.11 NTU	-32.7 mV	13.36 ft	200.00 ml/min
3/30/2020 3:00 PM	02:00:00	6.51 pH	18.17 °C	387.04 µS/cm	0.08 mg/L	3.07 NTU	-32.2 mV	13.36 ft	200.00 ml/min
3/30/2020 3:05 PM	02:05:00	6.49 pH	18.03 °C	383.55 µS/cm	0.07 mg/L	2.90 NTU	-30.3 mV	13.30 ft	200.00 ml/min
3/30/2020 3:10 PM	02:10:00	6.49 pH	18.07 °C	382.70 µS/cm	0.07 mg/L	3.41 NTU	-29.7 mV	13.30 ft	200.00 ml/min
3/30/2020 3:15 PM	02:15:00	6.48 pH	18.11 °C	379.23 µS/cm	0.07 mg/L	3.81 NTU	-29.4 mV	13.30 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-7	Grab

# Low-Flow Test Report:

**Test Date / Time:** 3/27/2020 10:23:51 AM

**Project:** Plant Hammond

**Operator Name:** Chad Russo

<p><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 ft</b>  <b>Total Depth: 27.4 ft</b>  <b>Initial Depth to Water: 8.60 ft</b></p>	<p><b>Pump Type: Peristaltic</b>  <b>Tubing Type: Poly ethylene</b>  <b>Pump Intake From TOC: 22 ft</b>  <b>Estimated Total Volume Pumped: 15.5 liter</b>  <b>Flow Cell Volume: 90 ml</b>  <b>Final Flow Rate: 100 ml/min</b>  <b>Final Draw Down: 2.78 ft</b></p>	<p><b>Instrument Used: SmarTROLL MP</b>  <b>Serial Number: 364452</b></p>
--	--	---

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0); and one 250-mL plastic bottle with HNO3 for App. III and IV metals (EPA 6020B).

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
3/27/2020 10:23 AM	00:00	6.85 pH	15.80 °C	728.60 µS/cm	0.21 mg/L		-19.9 mV		200.00 ml/min
3/27/2020 10:28 AM	05:00	6.83 pH	15.44 °C	736.17 µS/cm	0.19 mg/L	45.20 NTU	-17.9 mV	11.50 ft	200.00 ml/min
3/27/2020 10:33 AM	10:00	6.85 pH	15.71 °C	728.71 µS/cm	0.15 mg/L	32.10 NTU	-20.0 mV	11.71 ft	200.00 ml/min
3/27/2020 10:38 AM	15:00	6.84 pH	15.98 °C	719.03 µS/cm	0.17 mg/L	25.50 NTU	-21.0 mV	11.63 ft	100.00 ml/min
3/27/2020 10:43 AM	20:00	6.84 pH	16.02 °C	708.97 µS/cm	0.14 mg/L	20.90 NTU	-20.2 mV	11.66 ft	100.00 ml/min
3/27/2020 10:48 AM	25:00	6.85 pH	16.21 °C	701.26 µS/cm	0.13 mg/L	21.50 NTU	-22.0 mV	11.66 ft	100.00 ml/min
3/27/2020 10:53 AM	30:00	6.86 pH	16.41 °C	690.02 µS/cm	0.12 mg/L	22.90 NTU	-23.3 mV	11.66 ft	100.00 ml/min
3/27/2020 10:58 AM	35:00	6.87 pH	16.56 °C	684.42 µS/cm	0.12 mg/L	23.70 NTU	-24.3 mV	11.60 ft	100.00 ml/min
3/27/2020 11:03 AM	40:00	6.89 pH	16.65 °C	672.93 µS/cm	0.12 mg/L	22.90 NTU	-25.6 mV	11.58 ft	100.00 ml/min
3/27/2020 11:08 AM	45:00	6.88 pH	16.65 °C	667.51 µS/cm	0.12 mg/L	24.20 NTU	-25.8 mV	11.56 ft	100.00 ml/min
3/27/2020 11:13 AM	50:00	6.89 pH	16.83 °C	659.28 µS/cm	0.11 mg/L	24.00 NTU	-29.0 mV	11.55 ft	100.00 ml/min
3/27/2020 11:18 AM	55:00	6.91 pH	16.80 °C	645.98 µS/cm	0.11 mg/L	19.60 NTU	-30.1 mV	11.55 ft	100.00 ml/min
3/27/2020 11:23 AM	01:00:00	6.93 pH	17.14 °C	632.78 µS/cm	0.10 mg/L	19.80 NTU	-32.2 mV	11.50 ft	100.00 ml/min
3/27/2020 11:28 AM	01:05:00	6.94 pH	17.71 °C	625.32 µS/cm	0.11 mg/L	21.70 NTU	-35.4 mV	11.44 ft	100.00 ml/min
3/27/2020 11:33 AM	01:10:00	6.94 pH	17.73 °C	618.49 µS/cm	0.10 mg/L	14.80 NTU	-34.0 mV	11.41 ft	100.00 ml/min

3/27/2020 11:38 AM	01:15:00	6.94 pH	17.78 °C	613.22 µS/cm	0.09 mg/L	14.10 NTU	-37.4 mV	11.41 ft	100.00 ml/min
3/27/2020 11:43 AM	01:20:00	6.95 pH	18.00 °C	606.11 µS/cm	0.09 mg/L	12.30 NTU	-38.9 mV	11.41 ft	100.00 ml/min
3/27/2020 11:48 AM	01:25:00	6.96 pH	18.26 °C	610.42 µS/cm	0.09 mg/L	12.80 NTU	-39.0 mV	11.39 ft	100.00 ml/min
3/27/2020 11:53 AM	01:30:00	6.97 pH	18.30 °C	600.08 µS/cm	0.09 mg/L	11.30 NTU	-40.8 mV	11.39 ft	100.00 ml/min
3/27/2020 11:58 AM	01:35:00	6.96 pH	18.23 °C	598.57 µS/cm	0.09 mg/L	12.56 NTU	-38.4 mV	11.43 ft	100.00 ml/min
3/27/2020 12:03 PM	01:40:00	6.99 pH	18.29 °C	589.49 µS/cm	0.09 mg/L	12.85 NTU	-43.1 mV	11.36 ft	100.00 ml/min
3/27/2020 12:08 PM	01:45:00	6.98 pH	18.08 °C	590.73 µS/cm	0.09 mg/L	9.10 NTU	-42.4 mV	11.44 ft	100.00 ml/min
3/27/2020 12:13 PM	01:50:00	6.97 pH	18.54 °C	590.56 µS/cm	0.09 mg/L	9.37 NTU	-44.0 mV	11.34 ft	100.00 ml/min
3/27/2020 12:18 PM	01:55:00	6.98 pH	18.34 °C	583.96 µS/cm	0.08 mg/L	9.29 NTU	-43.9 mV	11.34 ft	100.00 ml/min
3/27/2020 12:23 PM	02:00:00	6.98 pH	18.66 °C	580.53 µS/cm	0.09 mg/L	8.14 NTU	-45.6 mV	11.30 ft	100.00 ml/min
3/27/2020 12:28 PM	02:05:00	7.01 pH	18.66 °C	572.17 µS/cm	0.08 mg/L	6.44 NTU	-47.2 mV	11.34 ft	100.00 ml/min
3/27/2020 12:33 PM	02:10:00	7.00 pH	18.61 °C	571.44 µS/cm	0.08 mg/L	5.28 NTU	-46.2 mV	11.34 ft	100.00 ml/min
3/27/2020 12:38 PM	02:15:00	7.01 pH	18.84 °C	577.30 µS/cm	0.08 mg/L	5.57 NTU	-47.4 mV	11.30 ft	100.00 ml/min
3/27/2020 12:43 PM	02:20:00	7.01 pH	18.88 °C	568.72 µS/cm	0.08 mg/L	4.80 NTU	-48.7 mV	11.38 ft	100.00 ml/min

## Samples

Sample ID:	Description:
GWC-8	Grab



# Low-Flow Test Report:

Test Date / Time: 3/27/2020 9:14:45 AM

Project: Plant Hammond

Operator Name: Chad Russo

<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 ft</b> <b>Total Depth: 52.35 ft</b> <b>Initial Depth to Water: 11.72 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly ethylene</b> <b>Pump Intake From TOC: 47 ft</b> <b>Estimated Total Volume Pumped: 5 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.3 ft</b>	<b>Instrument Used: SmarTROLL MP</b> <b>Serial Number: 364452</b>
---	---	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO<sub>4</sub> (EPA 300.0); and one 250-mL plastic bottle with HNO<sub>3</sub> for App. III and IV metals (EPA 6020B).

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
3/27/2020 9:14 AM	00:00	7.15 pH	16.63 °C	311.15 µS/cm	1.03 mg/L		-80.2 mV	11.72 ft	200.00 ml/min
3/27/2020 9:19 AM	05:00	7.17 pH	16.43 °C	312.05 µS/cm	0.60 mg/L	8.71 NTU	-86.8 mV	12.00 ft	200.00 ml/min
3/27/2020 9:24 AM	10:00	7.16 pH	16.42 °C	308.32 µS/cm	0.30 mg/L	3.92 NTU	-94.1 mV	12.02 ft	200.00 ml/min
3/27/2020 9:29 AM	15:00	7.12 pH	16.47 °C	306.97 µS/cm	0.23 mg/L	4.03 NTU	-84.8 mV	12.02 ft	200.00 ml/min
3/27/2020 9:34 AM	20:00	7.11 pH	16.52 °C	305.99 µS/cm	0.20 mg/L	4.15 NTU	-84.7 mV	12.02 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-9	Grab

Product Name: Low-Flow System

Date: 2020-03-27 10:33:15

Project Information:

Operator Name Aaron Reeder  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 440279  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 28 ft

Pump placement from TOC ft

Well Information:

Well ID GWC-10  
Well diameter 2 in  
Well Total Depth 34.29 ft  
Screen Length 10 ft  
Depth to Water 15.79 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2149758 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:10:08	900.03	15.53	6.82	191.50	13.80	15.80	0.67	-13.64
Last 5	10:15:08	1200.03	15.62	6.82	191.81	10.40	15.80	0.56	-16.30
Last 5	10:20:08	1500.03	15.68	6.83	192.16	8.55	15.80	0.50	-17.09
Last 5	10:25:08	1800.03	15.76	6.81	192.81	8.22	15.80	0.43	-18.08
Last 5	10:30:08	2100.03	15.84	6.82	192.68	4.49	15.82	0.39	-16.70
Variance 0			0.06	0.00	0.35			-0.06	-0.78
Variance 1			0.08	-0.02	0.65			-0.07	-0.99
Variance 2			0.09	0.01	-0.12			-0.04	1.38

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0); and one 250-mL plastic bottle with HNO3 for App. III and IV metals (EPA 6020B).

Grab Samples

GWC-10

Grab

FD-05

Grab

# Low-Flow Test Report:

Test Date / Time: 3/30/2020 2:26:38 PM

Project: Plant Hammond

Operator Name: Aaron Reeder

<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: 46.95 ft</b> <b>Total Depth: 56.95 ft</b> <b>Initial Depth to Water: 12.52 ft</b>	<b>Pump Type: Alexis Peri</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 51 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1.33 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
---	---	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO<sub>4</sub> (EPA 300.0); and one 250-mL plastic bottle with HNO<sub>3</sub> for App. III and IV metals (EPA 6020B).

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 5	
3/30/2020 2:26 PM	00:00	7.65 pH	18.97 °C	358.04 µS/cm	2.28 mg/L	0.20 NTU	43.2 mV	12.52 ft	200.00 ml/min
3/30/2020 2:27 PM	00:43	7.64 pH	18.83 °C	353.12 µS/cm	2.23 mg/L	0.38 NTU	53.3 mV	13.62 ft	200.00 ml/min
3/30/2020 2:32 PM	05:43	7.63 pH	18.40 °C	352.36 µS/cm	2.16 mg/L	2.02 NTU	62.8 mV	13.72 ft	200.00 ml/min
3/30/2020 2:37 PM	10:43	7.62 pH	18.28 °C	341.48 µS/cm	2.13 mg/L	2.00 NTU	41.4 mV	13.82 ft	200.00 ml/min
3/30/2020 2:42 PM	15:43	7.62 pH	18.26 °C	345.38 µS/cm	2.29 mg/L	0.95 NTU	57.0 mV	13.85 ft	200.00 ml/min
3/30/2020 2:47 PM	20:43	7.65 pH	18.30 °C	340.36 µS/cm	2.20 mg/L	0.90 NTU	37.5 mV	13.85 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-18	Grab

# Low-Flow Test Report:

Test Date / Time: 3/31/2020 8:27:54 AM

Project: Plant Hammond/ Huffaker

Operator Name: Aaron Reeder

<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: 67.51 ft</b> <b>Total Depth: 57.51 ft</b> <b>Initial Depth to Water: 17.05 ft</b>	<b>Pump Type: Alexas peri</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 52 ft</b> <b>Estimated Total Volume Pumped: 6000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.46 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
---	---	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0); and one 250-mL plastic bottle with HNO3 for App. III and IV metals (EPA 6020B).

## Weather Conditions:

Cloudy

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 5	
3/31/2020 8:27 AM	00:00	7.64 pH	15.17 °C	392.48 µS/cm	1.16 mg/L	7.15 NTU	-1.1 mV	17.05 ft	200.00 ml/min
3/31/2020 8:32 AM	05:00	7.64 pH	15.84 °C	384.50 µS/cm	0.55 mg/L	6.63 NTU	-36.5 mV	17.35 ft	200.00 ml/min
3/31/2020 8:37 AM	10:00	7.64 pH	15.89 °C	382.02 µS/cm	0.36 mg/L	4.42 NTU	-49.8 mV	17.50 ft	200.00 ml/min
3/31/2020 8:42 AM	15:00	7.63 pH	15.86 °C	381.77 µS/cm	0.34 mg/L	3.22 NTU	-20.7 mV	17.50 ft	200.00 ml/min
3/31/2020 8:47 AM	20:00	7.62 pH	15.89 °C	384.63 µS/cm	0.31 mg/L	2.56 NTU	-22.6 mV	17.50 ft	200.00 ml/min
3/31/2020 8:52 AM	25:00	7.62 pH	15.79 °C	383.86 µS/cm	0.29 mg/L	2.84 NTU	-63.4 mV	17.51 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-19	Grab

# Low-Flow Test Report:

Test Date / Time: 3/31/2020 10:07:55 AM

Project: Plant Hammond/ Huffaker (3)

Operator Name: Aaron Reeder

<b>Location Name: GWC-20</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC Screen</b> <b>Length: 10 m</b> <b>Top of Screen: 24.36 ft</b> <b>Total Depth: 34.36 ft</b> <b>Initial Depth to Water: 2.34 ft</b>	<b>Pump Type: Alexas peri</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 29 ft</b> <b>Estimated Total Volume Pumped: 7000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 1.06 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
---	---	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO<sub>4</sub> (EPA 300.0); and one 250-mL plastic bottle with HNO<sub>3</sub> for App. III and IV metals (EPA 6020B).

## Weather Conditions:

Rain

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 5	
3/31/2020 10:07 AM	00:00	7.53 pH	13.95 °C	404.95 µS/cm	0.30 mg/L	22.10 NTU	-38.4 mV	2.34 ft	200.00 ml/min
3/31/2020 10:12 AM	05:00	7.53 pH	13.95 °C	404.02 µS/cm	0.24 mg/L	17.50 NTU	-79.6 mV	3.15 ft	200.00 ml/min
3/31/2020 10:17 AM	10:00	7.54 pH	14.00 °C	402.47 µS/cm	0.21 mg/L	21.20 NTU	-38.8 mV	3.25 ft	200.00 ml/min
3/31/2020 10:22 AM	15:00	7.54 pH	13.86 °C	402.20 µS/cm	0.18 mg/L	23.30 NTU	-41.8 mV	3.26 ft	200.00 ml/min
3/31/2020 10:27 AM	20:00	7.55 pH	13.68 °C	400.04 µS/cm	0.17 mg/L	28.60 NTU	-42.8 mV	3.27 ft	200.00 ml/min
3/31/2020 10:32 AM	25:00	7.55 pH	13.41 °C	401.16 µS/cm	0.17 mg/L	19.90 NTU	-44.8 mV	3.26 ft	100.00 ml/min
3/31/2020 10:37 AM	30:00	7.56 pH	13.62 °C	403.00 µS/cm	0.16 mg/L	16.80 NTU	-46.6 mV	3.26 ft	100.00 ml/min
3/31/2020 10:42 AM	35:00	7.56 pH	13.66 °C	400.30 µS/cm	0.15 mg/L	9.64 NTU	-97.0 mV	3.40 ft	100.00 ml/min
3/31/2020 10:47 AM	40:00	7.57 pH	13.69 °C	400.97 µS/cm	0.14 mg/L	4.45 NTU	-49.1 mV	3.40 ft	100.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

GWC-20	Grab
--------	------

Created using VuSitu from In-Situ, Inc.

# Low-Flow Test Report:

Test Date / Time: 3/31/2020 1:37:55 PM

Project: Plant Hammond/ Huffaker (5)

Operator Name: Aaron Reeder

<b>Location Name: GWC-21</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 m</b> <b>Top of Screen: 8.23 m</b> <b>Total Depth: 18.23 ft</b> <b>Initial Depth to Water: 4 ft</b>	<b>Pump Type: Alexas peri</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 13 ft</b> <b>Estimated Total Volume Pumped: 10000 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 0.19 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
--	--	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO<sub>4</sub> (EPA 300.0); and one 250-mL plastic bottle with HNO<sub>3</sub> for App. III and IV metals (EPA 6020B).

## Weather Conditions:

Rain

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 5	
3/31/2020 1:37 PM	00:00	7.16 pH	15.13 °C	368.82 µS/cm	5.34 mg/L	0.49 NTU	68.3 mV	4.00 ft	100.00 ml/min
3/31/2020 1:42 PM	05:00	7.10 pH	15.13 °C	364.44 µS/cm	4.55 mg/L	0.52 NTU	44.5 mV	4.16 ft	100.00 ml/min
3/31/2020 1:47 PM	10:00	6.95 pH	14.86 °C	339.24 µS/cm	3.62 mg/L	0.53 NTU	34.0 mV	4.15 ft	100.00 ml/min
3/31/2020 1:52 PM	15:00	6.74 pH	15.22 °C	289.27 µS/cm	2.39 mg/L	0.62 NTU	46.8 mV	4.15 ft	100.00 ml/min
3/31/2020 1:57 PM	20:00	6.67 pH	14.96 °C	268.41 µS/cm	1.94 mg/L	0.67 NTU	44.2 mV	4.15 ft	100.00 ml/min
3/31/2020 2:02 PM	25:00	6.65 pH	14.85 °C	259.03 µS/cm	1.72 mg/L	0.57 NTU	43.6 mV	4.15 ft	100.00 ml/min
3/31/2020 2:07 PM	30:00	6.62 pH	14.79 °C	250.55 µS/cm	1.63 mg/L	0.42 NTU	28.9 mV	4.17 ft	100.00 ml/min
3/31/2020 2:12 PM	35:00	6.57 pH	14.67 °C	238.87 µS/cm	1.47 mg/L	0.48 NTU	45.6 mV	4.17 ft	100.00 ml/min
3/31/2020 2:17 PM	40:00	6.54 pH	14.65 °C	230.27 µS/cm	1.42 mg/L	0.54 NTU	28.5 mV	4.17 ft	100.00 ml/min
3/31/2020 2:22 PM	45:00	6.52 pH	14.70 °C	222.81 µS/cm	1.26 mg/L	0.48 NTU	44.1 mV	4.17 ft	100.00 ml/min
3/31/2020 2:27 PM	50:00	6.51 pH	14.85 °C	219.97 µS/cm	1.29 mg/L	0.52 NTU	28.3 mV	4.17 ft	100.00 ml/min
3/31/2020 2:32 PM	55:00	6.46 pH	14.99 °C	207.34 µS/cm	1.12 mg/L	0.63 NTU	47.1 mV	4.17 ft	100.00 ml/min

3/31/2020 2:37 PM	01:00:00	6.45 pH	15.03 °C	204.93 µS/cm	1.01 mg/L	0.54 NTU	29.9 mV	4.19 ft	100.00 ml/min
3/31/2020 2:42 PM	01:05:00	6.43 pH	15.07 °C	197.55 µS/cm	1.24 mg/L	0.48 NTU	48.4 mV	4.19 ft	100.00 ml/min
3/31/2020 2:47 PM	01:10:00	6.41 pH	14.96 °C	193.77 µS/cm	0.91 mg/L	0.58 NTU	49.8 mV	4.19 ft	100.00 ml/min
3/31/2020 2:52 PM	01:15:00	6.40 pH	14.86 °C	190.91 µS/cm	0.79 mg/L	0.50 NTU	31.1 mV	4.19 ft	100.00 ml/min
3/31/2020 2:57 PM	01:20:00	6.36 pH	14.82 °C	182.87 µS/cm	0.66 mg/L	0.34 NTU	51.6 mV	4.19 ft	100.00 ml/min
3/31/2020 3:02 PM	01:25:00	6.35 pH	14.72 °C	173.85 µS/cm	1.08 mg/L	0.44 NTU	53.1 mV	4.19 ft	100.00 ml/min
3/31/2020 3:07 PM	01:30:00	6.34 pH	14.63 °C	175.57 µS/cm	1.20 mg/L	0.53 NTU	33.0 mV	4.19 ft	100.00 ml/min
3/31/2020 3:12 PM	01:35:00	6.33 pH	14.57 °C	171.32 µS/cm	0.66 mg/L		32.5 mV	4.19 ft	100.00 ml/min

## Samples

Sample ID:	Description:
GWC-21	Grab



# Low-Flow Test Report:

Test Date / Time: 3/31/2020 11:52:56 AM

Project: Plant Hammond/ Huffaker (4)

Operator Name: Aaron Reeder

<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: 32.05 ft</b> <b>Total Depth: 42.05 ft</b> <b>Initial Depth to Water: 0.6 ft</b>	<b>Pump Type: Alexas peri</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 37 ft</b> <b>Estimated Total Volume Pumped: 6250 ml</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 0.85 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
---	---	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO<sub>4</sub> (EPA 300.0); and one 250-mL plastic bottle with HNO<sub>3</sub> for App. III and IV metals (EPA 6020B).

## Weather Conditions:

Raining

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 5	+/- 10	+/- 5	
3/31/2020 11:52 AM	00:00	7.80 pH	14.21 °C	338.60 µS/cm	0.22 mg/L	31.20 NTU	-77.5 mV	0.60 ft	150.00 ml/min
3/31/2020 11:57 AM	05:00	7.80 pH	14.22 °C	337.40 µS/cm	0.19 mg/L	21.50 NTU	-69.9 mV	1.40 ft	150.00 ml/min
3/31/2020 12:02 PM	10:00	7.80 pH	14.18 °C	336.96 µS/cm	0.17 mg/L	14.00 NTU	-69.3 mV	1.40 ft	150.00 ml/min
3/31/2020 12:07 PM	15:00	7.80 pH	14.25 °C	335.35 µS/cm	0.16 mg/L	11.30 NTU	-121.0 mV	1.40 ft	150.00 ml/min
3/31/2020 12:12 PM	20:00	7.80 pH	14.28 °C	335.03 µS/cm	0.16 mg/L	16.90 NTU	-123.6 mV	1.40 ft	150.00 ml/min
3/31/2020 12:17 PM	25:00	7.80 pH	14.54 °C	334.82 µS/cm	0.16 mg/L	11.05 NTU	-72.0 mV	1.40 ft	150.00 ml/min
3/31/2020 12:22 PM	30:00	7.80 pH	14.72 °C	332.63 µS/cm	0.15 mg/L	10.87 NTU	-73.6 mV	1.45 ft	150.00 ml/min
3/31/2020 12:27 PM	35:00	7.81 pH	15.04 °C	331.97 µS/cm	0.15 mg/L	8.47 NTU	-75.4 mV	1.45 ft	150.00 ml/min
3/31/2020 12:32 PM	40:00	7.80 pH	14.87 °C	331.10 µS/cm	0.16 mg/L	4.71 NTU	-73.9 mV	1.45 ft	150.00 ml/min

## Samples

Sample ID:	Description:
------------	--------------

GWC-22	Grab
--------	------

# Low-Flow Test Report:

Test Date / Time: 3/26/2020 2:31:28 PM

Project: Plant Hammond

Operator Name: Chad Russo

<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 ft</b> <b>Total Depth: 50.02 ft</b> <b>Initial Depth to Water: 6.24 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly ethylene</b> <b>Pump Intake From TOC: 45 ft</b> <b>Estimated Total Volume Pumped: 10 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.5 ft</b>	<b>Instrument Used: SmarTROLL MP</b> <b>Serial Number: 364452</b>
---	--	--

## Test Notes:

Restarted purge to wait for pH to stabilize.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
3/26/2020 2:31 PM	00:00	6.71 pH	18.74 °C	293.70 µS/cm	0.67 mg/L		161.5 mV	6.24 ft	200.00 ml/min
3/26/2020 2:36 PM	05:00	6.71 pH	17.99 °C	297.96 µS/cm	0.37 mg/L	13.06 NTU	39.3 mV	6.73 ft	200.00 ml/min
3/26/2020 2:41 PM	10:00	6.73 pH	17.94 °C	301.79 µS/cm	0.24 mg/L	10.95 NTU	21.7 mV	6.74 ft	200.00 ml/min
3/26/2020 2:46 PM	15:00	6.75 pH	18.19 °C	302.98 µS/cm	0.20 mg/L	9.22 NTU	13.1 mV	6.74 ft	200.00 ml/min
3/26/2020 2:51 PM	20:00	6.77 pH	17.99 °C	306.92 µS/cm	0.17 mg/L	9.48 NTU	9.1 mV	6.74 ft	200.00 ml/min
3/26/2020 2:56 PM	25:00	6.77 pH	18.30 °C	305.32 µS/cm	0.15 mg/L	8.82 NTU	6.7 mV	6.74 ft	200.00 ml/min
3/26/2020 3:01 PM	30:00	6.78 pH	18.12 °C	308.38 µS/cm	0.14 mg/L	9.57 NTU	4.6 mV	6.74 ft	200.00 ml/min
3/26/2020 3:06 PM	35:00	6.79 pH	17.90 °C	310.50 µS/cm	0.14 mg/L	8.77 NTU	2.5 mV	6.74 ft	200.00 ml/min
3/26/2020 3:11 PM	40:00	6.80 pH	17.83 °C	309.14 µS/cm	0.34 mg/L	7.75 NTU	5.7 mV	6.74 ft	200.00 ml/min
3/26/2020 3:16 PM	45:00	6.82 pH	17.84 °C	309.94 µS/cm	0.33 mg/L	4.68 NTU	3.7 mV	6.74 ft	200.00 ml/min

## Samples

Sample ID:	Description:
GWC-23	Grab



# Low-Flow Test Report:

Test Date / Time: 3/26/2020 3:29:24 PM

Project: Plant Hammond

Operator Name: Chad Russo

<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 ft</b> <b>Total Depth: 50.02 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Poly ethylene</b> <b>Pump Intake From TOC: 45 ft</b> <b>Estimated Total Volume Pumped: 24 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.5 ft</b>	<b>Instrument Used: SmarTROLL MP</b> <b>Serial Number: 364452</b>
---	--	--

## Test Notes:

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0); and one 250-mL plastic bottle with HNO3 for App. III and IV metals (EPA 6020B).

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 10	+/- 0.3	
3/26/2020 3:29 PM	00:00	6.83 pH	18.40 °C	310.98 µS/cm	0.67 mg/L		3.7 mV		200.00 ml/min
3/26/2020 3:34 PM	05:00	6.82 pH	17.72 °C	314.58 µS/cm	0.27 mg/L	5.78 NTU	0.1 mV	6.74 ft	200.00 ml/min
3/26/2020 3:39 PM	10:00	6.83 pH	17.75 °C	314.67 µS/cm	0.18 mg/L	7.01 NTU	-1.6 mV	6.74 ft	200.00 ml/min
3/26/2020 3:44 PM	15:00	6.85 pH	17.84 °C	313.55 µS/cm	0.14 mg/L	6.01 NTU	-3.0 mV	6.74 ft	200.00 ml/min
3/26/2020 3:49 PM	20:00	6.84 pH	17.69 °C	313.31 µS/cm	0.12 mg/L	5.61 NTU	-3.7 mV	6.74 ft	200.00 ml/min
3/26/2020 3:54 PM	25:00	6.85 pH	17.81 °C	312.59 µS/cm	0.36 mg/L	5.67 NTU	-2.7 mV	6.74 ft	200.00 ml/min
3/26/2020 3:59 PM	30:00	6.85 pH	17.81 °C	312.23 µS/cm	0.22 mg/L	5.15 NTU	-3.9 mV	6.74 ft	200.00 ml/min
3/26/2020 4:04 PM	35:00	6.86 pH	17.68 °C	311.39 µS/cm	0.14 mg/L	4.34 NTU	-5.0 mV	6.74 ft	200.00 ml/min
3/26/2020 4:09 PM	40:00	6.86 pH	17.75 °C	311.00 µS/cm	0.12 mg/L	4.68 NTU	-5.6 mV	6.74 ft	200.00 ml/min
3/26/2020 4:14 PM	45:00	6.87 pH	17.77 °C	310.94 µS/cm	0.11 mg/L	5.56 NTU	-6.6 mV	6.74 ft	200.00 ml/min
3/26/2020 4:19 PM	50:00	6.88 pH	17.72 °C	310.16 µS/cm	0.10 mg/L	4.28 NTU	-6.7 mV	6.74 ft	200.00 ml/min
3/26/2020 4:24 PM	55:00	6.88 pH	17.68 °C	309.18 µS/cm	0.10 mg/L	4.88 NTU	-8.5 mV	6.74 ft	200.00 ml/min
3/26/2020 4:29 PM	01:00:00	6.88 pH	17.81 °C	309.36 µS/cm	0.10 mg/L	4.32 NTU	-8.4 mV	6.74 ft	200.00 ml/min

**Samples**

Sample ID:	Description:
GWC-23	Grab

Product Name: Low-Flow System

Date: 2020-06-18 17:42:58

Project Information:

Operator Name Chad Russo  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 33 ft

Pump placement from TOC 33 ft

Well Information:

Well ID GWC-6  
Well diameter 2 in  
Well Total Depth ft  
Screen Length 10 ft  
Depth to Water 16.28 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.237293 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 19 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	17:10:27	4200.02	20.84	6.95	498.26	7.00	16.36	2.95	-34.16
Last 5	17:15:27	4500.01	20.87	6.95	485.65	7.02	16.36	3.28	-35.79
Last 5	17:20:27	4800.01	20.92	6.95	496.60	8.47	16.36	3.05	-36.67
Last 5	17:25:27	5100.01	20.89	6.96	489.48	4.91	16.36	2.92	-38.13
Last 5	17:30:27	5400.01	20.93	6.96	496.81	3.68	16.36	3.09	-39.11
Variance 0			0.05	-0.00	10.95			-0.22	-0.88
Variance 1			-0.04	0.01	-7.12			-0.13	-1.46
Variance 2			0.05	-0.01	7.33			0.16	-0.98

Notes

One 250-mL plastic bottle with HNO3 for B (EPA 6020B). Total depth: 43.08'

Grab Samples

GWC-6  
Grab

Product Name: Low-Flow System

Date: 2020-06-19 10:50:20

Project Information:

Operator Name Shawn Lin  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length ft

Pump placement from TOC ft

Well Information:

Well ID GWC-7  
Well diameter 2 in  
Well Total Depth 32.45 ft  
Screen Length 10 ft  
Depth to Water 15.51 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 10.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:29:16	1200.02	19.11	6.48	494.14	10.42	15.81	0.05	6.21
Last 5	10:34:16	1500.02	19.16	6.48	486.09	9.87	15.81	0.04	8.66
Last 5	10:39:16	1800.01	19.13	6.47	477.62	7.17	15.81	0.04	11.56
Last 5	10:44:16	2100.02	19.17	6.46	473.66	5.53	15.81	0.04	12.79
Last 5	10:49:16	2399.98	19.24	6.45	468.42	4.58	15.81	0.03	14.37
Variance 0			-0.04	-0.00	-8.46			-0.00	2.89
Variance 1			0.04	-0.01	-3.97			-0.00	1.23
Variance 2			0.07	-0.01	-5.23			-0.00	1.58

Notes

One 250-mL plastic bottle for CI (EPA 300.0).

Grab Samples

GWC-7  
Grab



Product Name: Low-Flow System

Date: 2020-06-19 11:42:28

Project Information:

Operator Name Shawn Lin  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length ft

Pump placement from TOC ft

Well Information:

Well ID GWC-8  
Well diameter 2 in  
Well Total Depth 27.71 ft  
Screen Length 10 ft  
Depth to Water 11.81 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 5.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:25:08	300.03	19.17	6.76	841.30	7.91	13.95	0.07	-29.23
Last 5	11:30:08	600.02	18.92	6.78	830.87	4.29	14.14	0.06	-29.04
Last 5	11:35:08	900.02	19.30	6.79	817.44	2.50	14.30	0.05	-29.48
Last 5	11:40:08	1200.02	19.37	6.81	803.51	4.50	14.39	0.05	-30.19
Last 5									
Variance 0			-0.25	0.02	-10.44			-0.01	0.19
Variance 1			0.38	0.01	-13.42			-0.01	-0.44
Variance 2			0.07	0.02	-13.94			-0.00	-0.71

Notes

One 250-mL plastic bottle with HNO3 for B (EPA 6020B).

Grab Samples

GWC-8  
Grab

Product Name: Low-Flow System

Date: 2020-06-19 14:02:38

Project Information:

Operator Name Chad Russo  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 643819  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 30 ft

Pump placement from TOC 30 ft

Well Information:

Well ID GWC-10  
Well diameter 2 in  
Well Total Depth ft  
Screen Length 10 ft  
Depth to Water 15.02 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2239027 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 29 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:39:28	6600.02	18.40	7.40	328.97	8.47	15.06	0.08	-74.20
Last 5	13:44:28	6900.02	18.26	7.39	329.46	6.52	15.06	0.08	-73.57
Last 5	13:49:28	7200.01	18.19	7.40	328.91	5.51	15.06	0.08	-74.90
Last 5	13:54:28	7500.01	18.35	7.40	328.51	6.28	15.06	0.08	-75.21
Last 5	13:59:28	7800.01	18.35	7.40	328.99	4.56	15.06	0.08	-75.76
Variance 0			-0.07	0.02	-0.56			-0.00	-1.33
Variance 1			0.16	-0.00	-0.39			0.00	-0.30
Variance 2			-0.00	-0.00	0.47			-0.00	-0.56

Notes

Well purged for pH recheck. No sample was collected. Total depth: 34.52'

Product Name: Low-Flow System

Date: 2020-06-19 14:21:07

Project Information:

Operator Name Shawn Lin  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length ft

Pump placement from TOC ft

Well Information:

Well ID GWC-19  
Well diameter 2 in  
Well Total Depth 57.50 ft  
Screen Length 10 ft  
Depth to Water 19.92 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	14:10:06	300.02	18.92	7.62	393.98	3.18	20.30	0.85	98.06
Last 5	14:15:06	600.02	19.01	7.60	394.08	2.63	20.30	0.80	99.66
Last 5	14:20:06	900.02	18.75	7.61	395.42	2.19	20.30	0.78	100.75
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.09	-0.01	0.09			-0.05	1.59
Variance 2			-0.26	0.00	1.35			-0.02	1.09

Notes

One 250-mL plastic bottle with HNO3 for Ca (EPA 6020B).

Grab Samples

GWC-19  
Grab

Product Name: Low-Flow System

Date: 2020-06-19 12:51:52

Project Information:

Operator Name Shawn Lin  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length ft

Pump placement from TOC ft

Well Information:

Well ID GWC-20  
Well diameter 2 in  
Well Total Depth 31.49 ft  
Screen Length 10 ft  
Depth to Water 4.83 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.09 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:40:02	300.02	19.45	7.24	423.97	2.65	5.53	0.11	-83.00
Last 5	12:45:02	600.02	19.28	7.28	424.71	2.23	5.59	0.09	-81.45
Last 5	12:50:02	899.91	19.11	7.31	424.46	2.12	5.62	0.08	-78.84
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			-0.16	0.04	0.74			-0.01	1.54
Variance 2			-0.18	0.04	-0.25			-0.01	2.62

Notes

One 250-mL plastic bottle with HNO3 for Ba,Ca (EPA 6020B).

Grab Samples

GWC-20  
Grab

Product Name: Low-Flow System

Date: 2020-09-23 10:30:39

Project Information:

Operator Name Thomas Kessler  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 37 ft

Pump placement from TOC 32 ft

Well Information:

Well ID GWA-1  
Well diameter 2 in  
Well Total Depth 40.04 ft  
Screen Length 10 ft  
Depth to Water 18.65 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2551467 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 6 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:51:29	600.01	16.74	7.13	191.46	5.03	17.93	0.17	6.11
Last 5	09:56:29	900.02	16.79	7.14	187.99	5.01	17.94	0.15	-27.80
Last 5	10:01:29	1200.01	16.83	7.06	183.23	2.45	17.95	0.14	-37.53
Last 5	10:06:29	1500.01	16.87	7.01	181.67	2.92	17.96	0.13	-39.47
Last 5	10:11:29	1800.00	16.92	6.98	177.57	2.61	17.97	0.13	-42.50
Variance 0			0.04	-0.07	-4.76			-0.01	-9.73
Variance 1			0.03	-0.05	-1.55			-0.01	-1.95
Variance 2			0.05	-0.03	-4.10			-0.00	-3.02

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 40.04'

Grab Samples

GWA-1  
Grab

Product Name: Low-Flow System

Date: 2020-09-22 15:20:01

Project Information:

Operator Name Thomas Kessler  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 26 ft

Pump placement from TOC 20 ft

Well Information:

Well ID GWA-2  
Well diameter 2 in  
Well Total Depth 26.10 ft  
Screen Length 10 ft  
Depth to Water 8.75 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.2060519 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	14:57:22	3601.99	20.22	6.89	403.84	1.03	8.96	1.20	-51.58
Last 5	15:02:22	3901.98	20.21	6.90	359.12	1.59	8.96	1.26	-51.58
Last 5	15:07:22	4201.98	20.24	6.90	383.65	1.47	8.96	1.25	-51.35
Last 5	15:12:22	4501.98	20.26	6.90	399.60	1.24	8.96	1.29	-51.49
Last 5	15:17:22	4801.98	20.31	6.90	391.31	1.10	8.96	1.37	-51.62
Variance 0			0.03	0.00	24.53			-0.01	0.23
Variance 1			0.02	0.00	15.95			0.04	-0.14
Variance 2			0.05	0.00	-8.29			0.07	-0.13

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 26.10'

Grab Samples

GWA-2  
Grab

Product Name: Low-Flow System

Date: 2020-09-23 11:33:09

Project Information:

Operator Name Chad Russo  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 17 ft

Pump placement from TOC 16 ft

Well Information:

Well ID GWA-3  
Well diameter 2 in  
Well Total Depth 21.64 ft  
Screen Length 10 ft  
Depth to Water 6.74 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1658782 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:58:22	600.01	22.29	6.89	753.91	4.33	7.02	0.16	57.55
Last 5	11:03:22	900.00	22.40	6.88	751.82	2.67	7.03	0.14	61.00
Last 5	11:08:22	1199.99	22.40	6.87	747.92	2.34	7.04	0.19	63.76
Last 5	11:13:22	1499.98	22.32	6.87	747.64	1.66	7.05	0.20	66.54
Last 5	11:18:22	1799.98	22.45	6.87	745.63	0.88	7.05	0.21	69.25
Variance 0			0.00	-0.01	-3.90			0.04	2.76
Variance 1			-0.09	-0.00	-0.27			0.02	2.78
Variance 2			0.13	-0.00	-2.01			0.01	2.71

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 21.64'

Grab Samples

GWA-3  
Grab

Product Name: Low-Flow System

Date: 2020-09-23 10:17:42

Project Information:

Operator Name Chad Russo  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 18 ft

Pump placement from TOC 17 ft

Well Information:

Well ID GWA-4  
Well diameter 2 in  
Well Total Depth 21.76 ft  
Screen Length 10 ft  
Depth to Water 12.47 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1703416 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:41:15	600.01	20.20	6.97	677.24	0.55	12.57	0.35	148.95
Last 5	09:46:15	900.00	20.35	6.90	670.26	0.13	12.57	0.41	155.22
Last 5	09:51:15	1199.99	20.35	6.89	664.95	0.66	12.59	0.42	157.98
Last 5	09:56:15	1499.98	20.49	6.83	660.22	1.01	12.59	0.67	161.62
Last 5	10:01:15	1799.97	20.57	6.81	672.20	0.58	12.59	0.46	164.31
Variance 0			0.00	-0.01	-5.31			0.01	2.76
Variance 1			0.13	-0.06	-4.73			0.24	3.64
Variance 2			0.09	-0.02	11.98			-0.21	2.69

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO<sub>3</sub> for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO<sub>4</sub> (EPA 300.0). Total depth = 21.76'

Grab Samples

GWA-4  
Grab



Product Name: Low-Flow System

Date: 2020-09-22 16:25:32

Project Information:

Operator Name Chad Russo  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 32 ft

Pump placement from TOC 31 ft

Well Information:

Well ID GWA-11  
Well diameter 2 in  
Well Total Depth 36 ft  
Screen Length 10 ft  
Depth to Water 19.71 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2328295 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:47:30	600.01	17.84	6.86	191.97	3.93	20.07	0.29	27.83
Last 5	15:52:30	900.00	17.68	6.81	191.95	2.26	20.06	0.23	24.10
Last 5	15:57:30	1200.00	17.66	6.80	192.50	2.87	20.06	0.20	21.16
Last 5	16:02:30	1500.02	17.63	6.79	191.83	1.73	20.06	0.18	19.77
Last 5	16:07:30	1800.00	17.55	6.80	191.95	3.10	20.06	0.16	18.63
Variance 0			-0.02	-0.01	0.55			-0.04	-2.94
Variance 1			-0.03	-0.01	-0.68			-0.02	-1.39
Variance 2			-0.08	0.01	0.12			-0.01	-1.14

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO<sub>3</sub> for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO<sub>4</sub> (EPA 300.0). Total depth = 36.43'

Grab Samples

GWA-11  
Grab

Product Name: Low-Flow System

Date: 2020-09-25 12:47:50

Project Information:

Operator Name Thomas Kessler  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 19 ft

Pump placement from TOC 16 ft

Well Information:

Well ID GWC-5  
Well diameter 2 in  
Well Total Depth 21.72 ft  
Screen Length 10 ft  
Depth to Water 4.75 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1748142 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:25:29	900.02	21.96	6.79	618.83	1.84	4.84	0.12	-50.53
Last 5	12:30:29	1200.02	21.98	6.81	618.35	2.47	4.84	0.13	-50.43
Last 5	12:35:29	1500.02	21.96	6.81	617.83	3.58	4.84	0.15	-49.99
Last 5	12:40:29	1800.02	21.95	6.81	616.77	2.83	4.84	0.16	-49.54
Last 5	12:45:29	2100.00	21.91	6.82	616.03	2.83	4.84	0.13	-49.33
Variance 0			-0.02	-0.00	-0.52			0.02	0.45
Variance 1			-0.01	0.01	-1.06			0.02	0.45
Variance 2			-0.04	0.01	-0.74			-0.03	0.21

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 21.72'

Grab Samples

GWC-5  
Grab

Product Name: Low-Flow System

Date: 2020-09-25 11:04:35

Project Information:

Operator Name Thomas Kessler  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 40 ft

Pump placement from TOC 40 ft

Well Information:

Well ID GWC-6  
Well diameter 2 in  
Well Total Depth 43.08 ft  
Screen Length 10 ft  
Depth to Water 17.61 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2685369 L  
Calculated Sample Rate 300 sec 3.6  
Stabilization Drawdown in  
Total Volume Pumped 8 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	10:33:53	1200.01	19.23	6.93	514.76	2.19	17.70	0.10	-73.42
Last 5	10:38:53	1500.01	19.24	6.94	518.04	1.99	17.70	0.09	-73.76
Last 5	10:43:53	1800.01	19.24	6.94	518.39	4.64	17.70	0.08	-72.72
Last 5	10:48:53	2100.00	19.25	6.96	519.39	1.20	17.70	0.08	-68.58
Last 5	10:53:53	2400.00	19.28	6.96	517.86	1.92	17.70	0.08	-68.60
Variance 0			0.00	0.01	0.36			-0.00	1.04
Variance 1			0.01	0.01	1.00			-0.01	4.13
Variance 2			0.02	0.00	-1.54			-0.00	-0.02

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 43.08'

Grab Samples

GWC-6  
Grab

Product Name: Low-Flow System

Date: 2020-09-24 14:06:58

Project Information:

Operator Name Chad Russo  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 28 ft

Pump placement from TOC 27 ft

Well Information:

Well ID GWC-7  
Well diameter 2 in  
Well Total Depth 32.30 ft  
Screen Length 10 ft  
Depth to Water 17.7 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.2149758 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 3.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:41:27	600.01	19.96	6.34	445.52	3.22	17.82	0.27	35.89
Last 5	13:46:27	900.00	19.78	6.34	443.09	1.81	17.82	0.24	40.89
Last 5	13:51:27	1199.99	19.60	6.33	440.86	1.55	17.82	0.24	44.09
Last 5	13:56:27	1499.98	19.64	6.32	438.44	2.52	17.82	0.22	45.51
Last 5	14:01:27	1799.98	19.64	6.32	435.82	1.40	17.82	0.22	46.54
Variance 0			-0.18	-0.01	-2.23			-0.01	3.20
Variance 1			0.03	-0.01	-2.41			-0.01	1.42
Variance 2			0.01	-0.00	-2.62			-0.01	1.03

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 32.30'

Grab Samples

GWC-7  
Grab

Product Name: Low-Flow System

Date: 2020-09-24 14:13:48

Project Information:

Operator Name Thomas Kessler  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 24 ft

Pump placement from TOC 25 ft

Well Information:

Well ID GWC-8  
Well diameter 2 in  
Well Total Depth 27.60 ft  
Screen Length 10 ft  
Depth to Water 14.22 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.1971222 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:24:52	900.02	19.33	6.97	557.35	3.91	15.11	0.20	-67.05
Last 5	13:29:52	1200.01	19.37	6.97	558.21	2.34	15.16	0.18	-68.49
Last 5	13:34:52	1500.01	19.37	6.97	558.14	1.59	15.22	0.16	-69.54
Last 5	13:39:52	1800.01	19.37	6.97	560.61	2.21	15.24	0.16	-70.58
Last 5	13:44:52	2100.00	19.32	6.96	559.95	2.05	15.26	0.16	-71.61
Variance 0			-0.00	-0.00	-0.07			-0.02	-1.06
Variance 1			0.00	-0.00	2.47			-0.00	-1.04
Variance 2			-0.05	-0.00	-0.66			-0.00	-1.03

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 27.60'

Grab Samples

GWC-8  
Grab

Product Name: Low-Flow System

Date: 2020-09-24 12:03:08

Project Information:

Operator Name Thomas Kessler  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 46 ft

Pump placement from TOC 47 ft

Well Information:

Well ID GWC-9  
Well diameter 2 in  
Well Total Depth 52.49 ft  
Screen Length 10 ft  
Depth to Water 17.69 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.2953175 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 4.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:39:29	1500.05	18.39	7.06	311.56	0.80	17.86	3.33	55.91
Last 5	11:44:29	1800.02	18.39	7.06	315.18	0.93	17.86	3.21	50.13
Last 5	11:49:29	2100.00	18.35	6.77	342.13	0.70	7.86	0.92	-72.71
Last 5	11:54:31	2402.00	18.28	6.74	341.64	0.90	17.86	0.45	-76.32
Last 5	11:59:31	2701.99	18.28	6.75	341.54	1.13	7.86	0.40	-76.75
Variance 0			-0.04	-0.28	26.95			-2.29	-122.84
Variance 1			-0.07	-0.03	-0.50			-0.47	-3.62
Variance 2			-0.00	0.01	-0.09			-0.05	-0.42

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 52.49'

Grab Samples

GWC-9  
Grab

Product Name: Low-Flow System

Date: 2020-09-25 11:57:19

Project Information:

Operator Name Chad Russo  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 30 ft

Pump placement from TOC 29 ft

Well Information:

Well ID GWC-10  
Well diameter 2 in  
Well Total Depth 34.48 ft  
Screen Length 10 ft  
Depth to Water 18.73 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.2239027 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 6.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:13:31	600.01	18.79	7.24	274.40	5.92	18.77	2.72	59.07
Last 5	11:18:31	900.00	18.49	7.24	275.46	2.80	18.77	0.89	53.88
Last 5	11:23:31	1199.99	18.50	7.25	276.06	0.67	18.77	0.83	53.89
Last 5	11:28:31	1499.99	18.57	7.26	277.29	0.94	18.77	0.76	55.25
Last 5	11:33:31	1799.98	18.56	7.28	277.62	0.61	18.77	0.70	56.84
Variance 0			0.01	0.01	0.60			-0.06	0.01
Variance 1			0.07	0.01	1.22			-0.07	1.37
Variance 2			-0.01	0.02	0.33			-0.06	1.59

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 34.48'

Grab Samples

GWC-10  
Grab

Product Name: Low-Flow System

Date: 2020-09-24 10:02:01

Project Information:

Operator Name Thomas Kessler  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 54 ft

Pump placement from TOC 52 ft

Well Information:

Well ID GWC-18  
Well diameter 2 in  
Well Total Depth 57.12 ft  
Screen Length 10 ft  
Depth to Water 15.19 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.3310339 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 3.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	09:39:45	900.01	17.72	7.54	352.23	1.17	16.06	0.49	47.22
Last 5	09:44:45	1200.01	17.72	7.57	350.12	1.12	16.06	0.44	45.58
Last 5	09:49:45	1500.01	17.72	7.59	348.13	0.84	16.06	0.39	44.02
Last 5	09:54:45	1800.00	17.68	7.60	347.66	0.60	16.07	0.37	41.96
Last 5	09:59:45	2100.00	17.63	7.62	345.41	0.56	16.11	0.33	38.77
Variance 0			-0.00	0.02	-2.00			-0.05	-1.56
Variance 1			-0.04	0.01	-0.46			-0.02	-2.06
Variance 2			-0.04	0.02	-2.25			-0.04	-3.20

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 57.12'

Grab Samples

GWC-18  
Grab



Product Name: Low-Flow System

Date: 2020-09-28 13:33:28

Project Information:

Operator Name Chad Russo  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type QED MP50  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 53 ft

Pump placement from TOC 52 ft

Well Information:

Well ID GWC-19  
Well diameter 2 in  
Well Total Depth 59.61 ft  
Screen Length 10 ft  
Depth to Water 21.37 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.7215614 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 4 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	12:49:38	900.00	19.85	7.74	383.34	5.49	21.49	0.45	266.38
Last 5	12:54:38	1199.99	19.82	7.75	383.68	6.03	21.49	0.40	264.85
Last 5	12:59:38	1500.01	19.90	7.76	383.45	6.10	21.49	0.37	264.47
Last 5	13:04:38	1799.99	19.95	7.78	382.96	5.39	21.49	0.35	264.42
Last 5	13:09:38	2099.97	19.91	7.78	384.73	4.72	21.49	0.32	264.92
Variance 0			0.08	0.01	-0.23			-0.02	-0.38
Variance 1			0.05	0.01	-0.49			-0.02	-0.05
Variance 2			-0.04	0.00	1.77			-0.03	0.50

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 56.91'

Grab Samples

GWC-19  
Grab

Product Name: Low-Flow System

Date: 2020-09-23 11:44:58

Project Information:

Operator Name Thomas Kessler  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 30 ft

Pump placement from TOC 26 ft

Well Information:

Well ID GWC-20  
Well diameter 2 in  
Well Total Depth 31.45 ft  
Screen Length 10 ft  
Depth to Water 6.75 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.2239027 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 3 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:23:47	600.02	19.35	7.08	421.62	2.02	7.20	0.27	-105.04
Last 5	11:28:47	900.01	19.33	7.09	422.37	1.13	7.20	0.24	-106.52
Last 5	11:33:47	1200.01	19.46	7.09	424.41	1.38	7.20	0.22	-108.30
Last 5	11:38:47	1500.01	19.50	7.11	422.35	1.91	7.20	0.21	-109.21
Last 5	11:43:47	1800.01	19.52	7.11	422.36	--	--	0.19	-110.32
Variance 0			0.14	0.00	2.05			-0.01	-1.78
Variance 1			0.04	0.02	-2.06			-0.02	-0.92
Variance 2			0.02	0.00	0.01			-0.01	-1.10

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 31.45'

Grab Samples

GWC-20  
Grab

Product Name: Low-Flow System

Date: 2020-09-23 13:40:26

Project Information:

Operator Name Chad Russo  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 14 ft

Pump placement from TOC 13 ft

Well Information:

Well ID GWC-21  
Well diameter 2 in  
Well Total Depth ft  
Screen Length 10 ft  
Depth to Water 10.08 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.1524879 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 8.7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	13:07:08	900.00	21.20	6.85	571.96	--	--	3.05	141.74
Last 5	13:12:08	1200.00	20.31	6.92	550.28	11.70	11.66	0.81	53.85
Last 5	13:17:08	1499.99	20.07	6.93	553.42	13.50	12.01	2.60	55.83
Last 5	13:22:08	1799.98	20.39	6.95	553.70	11.20	12.34	2.90	53.02
Last 5	13:27:08	2099.97	20.44	6.96	551.54	14.40	12.64	2.81	71.89
Variance 0			-0.25	0.01	3.14			1.79	1.98
Variance 1			0.32	0.02	0.28			0.30	-2.80
Variance 2			0.04	0.02	-2.15			-0.09	18.87

Notes

Purged Dry

Grab Samples

Product Name: Low-Flow System

Date: 2020-09-24 11:35:27

Project Information:

Operator Name Chad Russo  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 17 ft

Pump placement from TOC 16 ft

Well Information:

Well ID GWC-21  
Well diameter 2 in  
Well Total Depth 18.50ft  
Screen Length 10 ft  
Depth to Water 10.09 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.1658782 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 1 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	11:17:11	300.06	18.84	7.12	523.31	2.21	10.60	0.94	125.64
Last 5									
Last 5									
Last 5									
Last 5									
Variance 0			nan	nan	nan			nan	nan
Variance 1			0.00	0.00	0.00			0.00	0.00
Variance 2			0.00	0.00	0.00			0.00	0.00

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 18.50'

Grab Samples

GWC-21  
Grab

Product Name: Low-Flow System

Date: 2020-09-23 16:24:42

Project Information:

Operator Name Chad Russo  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 597519  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 38 ft

Pump placement from TOC 37 ft

Well Information:

Well ID GWC-22  
Well diameter 2 in  
Well Total Depth 42.28 ft  
Screen Length 10 ft  
Depth to Water 5.85 ft

Pumping Information:

Final Pumping Rate 200 mL/min  
Total System Volume 0.2596101 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 7 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	15:51:31	600.01	19.55	7.39	369.76	0.46	6.63	0.18	-65.20
Last 5	15:56:31	900.01	19.40	7.39	369.16	0.45	6.68	0.15	-71.23
Last 5	16:01:31	1200.00	19.31	7.40	369.24	0.25	6.70	0.14	-77.85
Last 5	16:06:31	1499.99	19.22	7.41	369.11	0.22	6.73	0.13	-84.75
Last 5	16:11:31	1799.98	19.17	7.42	369.10	0.33	6.72	0.12	-89.37
Variance 0			-0.09	0.01	0.08			-0.01	-6.62
Variance 1			-0.09	0.01	-0.13			-0.01	-6.91
Variance 2			-0.05	0.01	-0.01			-0.01	-4.62

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 42.28'

Grab Samples

GWC-22  
Grab

Product Name: Low-Flow System

Date: 2020-09-23 16:34:51

Project Information:

Operator Name Thomas Kessler  
Company Name Geosyntec Consultants  
Project Name GP-Plant Hammond  
Site Name Plant Hammond  
Latitude 0° 0' 0"  
Longitude 0° 0' 0"  
Sonde SN 646773  
Turbidity Make/Model LaMotte 2020we

Pump Information:

Pump Model/Type Alexis  
Tubing Type polyethylene  
Tubing Diameter 0.17 in  
Tubing Length 45 ft

Pump placement from TOC 45 ft

Well Information:

Well ID GWC-23  
Well diameter 2 in  
Well Total Depth 50.13 ft  
Screen Length 10 ft  
Depth to Water 17.40 ft

Pumping Information:

Final Pumping Rate 100 mL/min  
Total System Volume 0.2908534 L  
Calculated Sample Rate 300 sec  
Stabilization Drawdown 3.6 in  
Total Volume Pumped 3.5 L

Low-Flow Sampling Stabilization Summary

	Time	Elapsed	Temp C	pH	SpCond $\mu$ S/cm	Turb NTU	DTW ft	RDO mg/L	ORP mV
Stabilization			+/- 0.5	+/- 0.1	+/- 5%	+/- 10		+/- 10%	+/- 10
Last 5	16:00:24	900.02	18.49	6.87	336.78	6.10	18.03	0.15	-100.54
Last 5	16:05:24	1200.01	18.44	6.90	336.55	7.83	18.03	0.14	-100.32
Last 5	16:10:24	1500.01	18.39	6.92	333.17	6.22	18.03	0.13	-99.36
Last 5	16:15:24	1800.01	18.36	6.95	330.04	5.01	18.03	0.12	-99.14
Last 5	16:20:24	2100.00	18.26	6.96	328.07	4.07	18.03	0.12	-97.93
Variance 0			-0.05	0.02	-3.38			-0.01	0.96
Variance 1			-0.03	0.03	-3.13			-0.01	0.22
Variance 2			-0.11	0.01	-1.96			-0.00	1.21

Notes

Three bottles: One 500-mL plastic bottle for TDS (EPA 2540C); one 250-mL plastic bottle with HNO3 for App. III and D&O metals (EPA 6010D/6020B); and one 250-mL plastic bottle for Cl, F, SO4 (EPA 300.0). Total depth = 50.13'

Grab Samples

GWC-23  
Grab

# Low-Flow Test Report:

**Test Date / Time:** 11/10/2020 2:19:34 PM

**Project:** GP-Plant Hammond

**Operator Name:** Thomas Kessler

<b>Location Name: GWC-19</b> <b>Well Diameter: 2 ft</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: 20.22 ft</b>	<b>Pump Type: Peristaltic</b> <b>Tubing Type: Polyethylene</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: 0.21 ft</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 728550</b>
---	---	--

## Test Notes:

pH check only, no sample taken.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth To Water	Flow
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 0.3	
11/10/2020 2:19 PM	00:00	7.42 pH	18.57 °C	397.02 µS/cm	0.39 mg/L	3.91 NTU	5.0 mV	20.22 ft	100.00 ml/min
11/10/2020 2:24 PM	05:00	7.40 pH	18.48 °C	388.94 µS/cm	0.34 mg/L	3.88 NTU	0.0 mV	20.43 ft	100.00 ml/min
11/10/2020 2:29 PM	10:00	7.40 pH	18.38 °C	388.43 µS/cm	0.29 mg/L	4.76 NTU	-5.4 mV	20.43 ft	100.00 ml/min
11/10/2020 2:34 PM	15:00	7.39 pH	18.39 °C	390.21 µS/cm	0.25 mg/L	4.51 NTU	-10.9 mV	20.43 ft	100.00 ml/min
11/10/2020 2:39 PM	20:00	7.38 pH	18.39 °C	391.50 µS/cm	0.23 mg/L	3.00 NTU	-15.7 mV	20.43 ft	100.00 ml/min
11/10/2020 2:44 PM	25:00	7.37 pH	18.38 °C	393.03 µS/cm	0.22 mg/L	0.65 NTU	-20.8 mV	20.43 ft	100.00 ml/min
11/10/2020 2:49 PM	30:00	7.37 pH	18.30 °C	392.83 µS/cm	0.21 mg/L	4.03 NTU	-25.1 mV	20.43 ft	100.00 ml/min

# Calibration Logs



EQUIPMENT CALIBRATION LOG

Field Technician: Aaron Reeder

Date: 3-26-2020

Time (start): 0705

Time (finish): 0734

smarTroll SN: 440279

Turbidity Meter Type: LaMotte 2020 wC

SN: 6389-1416

Weather Conditions: Clear

Facility and Unit: 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)	20010025 08/2021	11.6	4490	4353	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)		11.8	4.00	4.42	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	19340057 08/2021	11.6	7.00	7.15	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	19320102 08/2021	11.8	10.00	9.90	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19460167 08/2021	11.6	+228	+243.0	+228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100%	96.6%	100%	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	-0.01	0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1	1.14	1.0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	10.2	10	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Shawn Lin

Date: 3/26/2020

Time (start): 7:20

Time (finish): 8:00

smarTroll SN: 646777

Turbidity Meter Type: 2020 We ~~2953~~ (S)

SN: 2953

Weather Conditions: clear

Facility and Unit: Plant Hammond

Project No.: GW681

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)	#2001005 08/2021	17.7	4490	4261	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)			4.00	4.40	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	#19340057 08/2021	17.9	7.02	7.29	7.02	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	#19320102 08/2021	18.2	10.04	9.99	10.04	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	#19460167 08/2021	17.9	228	228.5	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	91.6	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	0.87	0.93	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	9.70	9.98	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Chad Russo

Date: 3/26/2020

Time (start): 0932

Time (finish): 0950

smarTroll SN: 364452

Turbidity Meter Type: LaMotte 2020we

SN: 710-0711

Weather Conditions: 54°F; cloudy

Facility and Unit: 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)	20010025	15.89	4490	4975.8	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	8/2021		4	4	4	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	19340057 8/2021	16.34	7	7.01	7.01	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	19320102 8/2021	16.7	10	9.99	10	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	19460167 8/2021	16.47	228	230.3	230.3	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	95.59	94.28	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0.21	0.21	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1	0.7	0.7	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10	9.27	10.04	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Nelson Cunby

Date: 3 28 20

Time (start): 7:00 am

Time (finish): 2:45

smarTroll SN: 406615

Turbidity Meter Type: Lamotte 2020WE

SN: 1003

Weather Conditions: clear 50°s

Facility and Unit: Hammond

Project No.: GW0581

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)	20010625 08/2021	9.3 <sup>oC</sup>	4490	4765	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)		9.2 <sup>oC</sup>	4.0	4.42	4.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	19340057 08/2021	9.5 <sup>oC</sup>	7.0	7.15	7.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	19320102 08/2021	9.4 <sup>oC</sup>	10.0	9.80	10.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19960167 08/2021	8.6 <sup>oC</sup>	228	238.3	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100%	93.4	100%	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0.0	0.0	0.0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1.0	1.29	1.0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10.0	13.0	10.0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Chad Russo

Date: 3/27/2020

Time (start): 0830

Time (finish): 0952

smarTroll SN: 364452

Turbidity Meter Type: LaMotte 2020.2e

SN: 710-0711

Weather Conditions: 57°F sunny

Facility and Unit: 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)	20010025 8/2021	18.62	4490	4519.5	4517	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)			4	4.03	4.03	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	19340057 8/2021	19.04	7	7.01	7.01	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	19320102 8/2021	19.25	10	10.02	10.03	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	19460167 8/2021	19.38	228	222.5	222.5	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	100.04	98.85	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0.07	0.07	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1	1.57	0.71	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10	6.83	10.02	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Aaron Reeder

Date: 3-27-2020

Time (start): 0748

Time (finish): 0830

SmartTroll SN: 440279

Turbidity Meter Type: Lamotte

SN: 6389-1416

Weather Conditions: Sunny

Facility and Unit: Plant Hammond / Huffaker

Project No.: 6W6581B

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 08/2021	14.9	4440	4538	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)		14.8	4.00	4.35	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	19340057 08/2021	15.3	7.00	7.13	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	19320102 08/2021	15.6	10.00	9.89	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19460167 08/2021	15.6	+228	+236.8	+228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100 %	92.8%	100%	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	-0.01	0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1	1.82	1.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	9.78	10.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

**EQUIPMENT CALIBRATION LOG**

Field Technician: Nelson Cuning

Date: 3/27/20

Time (start): 7:57

Time (finish): 2:49

smarTroll SN: 466615

Turbidity Meter Type: Lumette 2020we

SN: 1603

Weather Conditions: cloudy 50's

Facility and Unit: Hammond

Project No.: G-016581

**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)	<u>20010025</u> <u>08/2021</u>	<u>13.6°C</u>	<u>4490</u>	<u>4207</u>	<u>4490</u>	<u>+/- 5%</u>	<input checked="" type="checkbox"/> No	
pH (4)		<u>13.5°C</u>	<u>4.0</u>	<u>4.34</u>	<u>4.0</u>	<u>+/- 0.1 SU</u>	<input checked="" type="checkbox"/> No	
pH (7)	<u>19340057</u> <u>08/2021</u>	<u>13.7°C</u>	<u>7.0</u>	<u>7.12</u>	<u>7.0</u>	<u>+/- 0.1 SU</u>	<input checked="" type="checkbox"/> No	
pH (10)	<u>14320102</u> <u>08/2021</u>	<u>13.8°C</u>	<u>10.0</u>	<u>9.84</u>	<u>10.0</u>	<u>+/- 0.1 SU</u>	<input checked="" type="checkbox"/> No	
ORP (mV)	<u>19960167</u> <u>08/2021</u>	<u>18.5°C</u>	<u>228</u>	<u>230.1</u>	<u>228</u>	<u>+/- 20mV</u>	<input checked="" type="checkbox"/> No	
DO (%) (1pt, 100% water saturated air cal)			<u>100%</u>	<u>94.9%</u>	<u>100%</u>	<u>+/- 6% saturation</u>	<input checked="" type="checkbox"/> No	
Turbidity 0 NTU			<u>0.0</u>	<u>0.02</u>	<u>0.0</u>	<u>+/- 0.5 NTU</u>	<input checked="" type="checkbox"/> No	
Turbidity 1 NTU			<u>1.0</u>	<u>0.66</u>	<u>1.0</u>	<u>+/- 0.5 NTU</u>	<input checked="" type="checkbox"/> No	
Turbidity 10 NTU			<u>10.0</u>		<u>10.0</u>	<u>+/- 0.5 NTU</u>	<input checked="" type="checkbox"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Shawn Lin Date: 3/27/2020 Time (start): 9:50 Time (finish): 8:11

smarTroll SN: 497963 Turbidity Meter Type: 2020 We SN: 2953

Weather Conditions: Clear, 45°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)	#20010025 08/2021	20.5	4490	4424	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)			4.00	4.36	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	#19340057 08/2021	20.7	7.02	7.28	7.02	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	#19320102 08/2021	20.7	10.04	10.01	10.04	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	#19460167 08/2021	20.7	228	223.2	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	91.6	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	0.95	0.98	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	11.56	9.93	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	



EQUIPMENT CALIBRATION LOG

Field Technician: Aaron Breder

Date: 3-30-2020

Time (start): 1200

Time (finish): 1242

smarTroll SN: 440279 728550

Turbidity Meter Type: Lamotte

SN: 6389-1416

Weather Conditions: Sunny

Facility and Unit: Plant Hammond/Huffaker

Project No.: 6V6581

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)	20016025 08/2021	28.18	4490	4437.6	4440	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)		27.94	4.00	4.15	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	19340057 08/2021	25.29	7.00	7.10	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	19320102 08/2021	22.76	10.00	10.15	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	14460167	24.44	+228	234.6	+228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100%	98.72%	100%	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	-0.01	0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1	0.96	1	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10	9.72	10	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Chad Russo

Date: 3/30/2020

Time (start): 0905

Time (finish): 0933

smarTroll SN: 364452

Turbidity Meter Type: LaMotte 2020wc

SN: 710-0711

Weather Conditions: 61°F; sunny

Facility and Unit: 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)	26010025 8/2021	20.15	4490	4530	4527.9	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)			4	3.98	3.97	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	19340057 8/2021	20.83	7	6.98	6.98	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	19326102 8/2021	21.10	10	9.98	10	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19460167 8/2021	20.76	228	224.6	224.6	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	103.49	100.91	+/- 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	0.82	0.82	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	10.37	10.37	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

**EQUIPMENT CALIBRATION LOG**

Field Technician: Nelson Bunko

Date: 3/30/20

Time (start): 708

Time (finish): 240

smarTroll SN: 460615

Turbidity Meter Type: Lamotte 2020we

SN: 1603

Weather Conditions: cloudy 50<sup>th</sup>

Facility and Unit: Hammond

Project No.: GW0581

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)	20012025 08/2021	12.8	4490	4790	4490	+/- 5%	Yes No	
pH (4)		12.1	4.0	4.39	4.0	+/- 0.1 SU	Yes No	
pH (7)	19340057 08/2021	12.6	7.0	7.16	7.0	+/- 0.1 SU	Yes No	
pH (10)	19320102 08/2021	12.6	10.0	9.86	10.0	+/- 0.1 SU	Yes No	
ORP (mV)	19960167 08/2021	12.7	228	228.9	228	+/- 20mV	Yes No	
DO (%) (1pt, 100% water saturated air cal)			100%	95.5	100%	+/- 6% saturation	Yes No	
Turbidity 0 NTU			0.0	0.01	0.0	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU			1.0	0.78	1.0	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU			10.0	12.78	10.0	+/- 0.5 NTU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Shawn Lin Date: 3/30/2020 Time (start): 7:45 Time (finish): 8:15  
 smarTroll SN: 497963 Turbidity Meter Type: 2020 We SN: 2953  
 Weather Conditions: Cloudy, 45°F Facility and Unit: Plant Hammond Project No.: GW6589

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	22.7	4490	4323	4490	+/- 5 %	<input checked="" type="checkbox"/> Yes No	
pH (4)	08/2021	22.7	4.00	4.32	4.00	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
pH (7)	#19340057 08/2021	22.7	7.02	7.19	7.02	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
pH (10)	#19320102 08/2021	22.7	10.00	10.03	10.04	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
ORP (mV)	#19460169 08/2021	22.5	228	219.0	228	+/- 20mV	<input checked="" type="checkbox"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	90.6	100	+/- 6 % saturation	<input checked="" type="checkbox"/> Yes No	
Turbidity 0 NTU			0	0.06	0	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	
Turbidity 1 NTU			1	0.86	0.92	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	
Turbidity 10 NTU			10	11.15	9.80	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	

**EQUIPMENT CALIBRATION LOG**

Field Technician: Aaron Reeder

Date: 3-31-2020

Time (start): 0708

Time (finish): 0736

SmartTroll SN: 728550

Turbidity Meter Type: Lamotte 2020 use

SN: 6389-1416

Weather Conditions: Cloudy and cool

Facility and Unit: Plant Hammond/Huffaker Project No.: 646581

**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 08/2021	14.58	4490	4546	4400	+/- 5 %	Yes No	
pH (4)		14.54	4.00	3.97	4.00	+/- 0.1 SU	Yes No	
pH (7)	19340057 08/2021	15.22	7.00	7.01	7.00	+/- 0.1 SU	Yes No	
pH (10)	19320102 08/2021	15.89	10.00	10.03	10.00	+/- 0.1 SU	Yes No	
ORP (mV)	19460767 08/2021	15.50	+228	243.6	+228	+/- 20mV	Yes No	
DO (%) (1 pt, 100% water saturated air cal)			100%	102.94%	100%	+/- 6 % saturation	Yes No	
Turbidity 0 NTU			0	-0.02	0	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU			1.00	<del>1.26</del> 1.01	1.00	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU			10.0	9.25	10.00	+/- 0.5 NTU	Yes No	

**EQUIPMENT CALIBRATION LOG**

Field Technician: Chad Russo

Date: 3/31/2020

Time (start): 0820

Time (finish): 0846

smarTroll SN: 364452

Turbidity Meter Type: LaMotte 2020 ve

SN: 710-0711

Weather Conditions: 55°F cloudy

Facility and unit: 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)	20610625 8/2021	17.9	4490	4460.9	4462	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)			4	4.04	4.03	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	19346057 8/2021	18.08	7	7.06	7.06	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	19320102 8/2021	18.26	10	10.05	10.06	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19460167 8/2021	18.44	<del>231</del> 228	231.5	231.5	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	96.94	96.47	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	0.05	0.05	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1	0.63	0.63	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	12.67	9.9	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

**EQUIPMENT CALIBRATION LOG**

Field Technician: Nelson Conley Date: 3/31/20 Time (start): 7 am Time (finish): 740  
 SmarTroll SN: 466615 Turbidity Meter Type: LaMotte 2020we SN: 1603  
 Weather Conditions: cloudy 50's Facility and Unit: Hammond Project No.: GW 6581

**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)	20010925 08/2021	12.7	4490	4728	4490	+/- 5 %	Yes No	
pH (4)		12.6	4.0	4.40	4.0	+/- 0.1 SU	Yes No	
pH (7)	19340357 08/2021	12.7	7.0	7.15	7.0	+/- 0.1 SU	Yes No	
pH (10)	19320102 08/2021	12.8	10.0	9.86	10.0	+/- 0.1 SU	Yes No	
ORP (mV)	19960167 08/2021		228	228.7	2228	+/- 20mV	Yes No	
DO (%) (1pt, 100% water saturated air cal)			100%	96.3	100%	+/- 6 % saturation	Yes No	
Turbidity 0 NTU			0.0	0.01	0.0	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU			1.0	0.85	1.0	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU			10.0	9.77	10.0	+/- 0.5 NTU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Shawn Lin

Date: 03/31/2020

Time (start): 7:33

Time (finish): 8:00

smarTroll SN: 497963

Turbidity Meter Type: 2020 WU

SN: 2953

Weather Conditions: cloudy, 50°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)	#20010025	20.0	4490	4225	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)	08/2021		4.00	4.39	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	#19340057 08/2021	20.0	7.02	7.19	7.02	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	#19320102 08/2021	20.0	10.04	10.01	10.04	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	#19460167 08/21	19.9	228	223.6	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	90.9	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	0.73	0.97	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	10.27	10.04	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	



**EQUIPMENT CALIBRATION LOG**

Field Technician: Chad Russo

Date: 6/18/2020

Time (start): 0850

Time (finish): 0915

smarTroll SN: 643819

Turbidity Meter Type: LaMotte 2020 w/c

SN: 1475-4011

Weather Conditions: 60°F; cloudy

Facility and Unit: 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)	20610025 8/2021	19.9	4490	4491	4478	+/- 5 %	<input checked="" type="checkbox"/> Yes No	
pH (4)			4	4.21	<del>4.21</del> 4	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
pH (7)	19340057 8/2021	20.7	7	6.7	6.97	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
pH (10)	19320102 8/2021	21.3	10	9.61	10	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
ORP (mV)	19460167 8/2021	21.7	228	226.4	227.5	+/- 20mV	<input checked="" type="checkbox"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	100.2	100	+/- 6 % saturation	<input checked="" type="checkbox"/> Yes No	
Turbidity 0 NTU			0	0.03	0.03	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	
Turbidity 1 NTU			1	0	1.15	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	
Turbidity 10 NTU			10	9.96	9.96	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Shawn Lin

Date: 6/18/2020

Time (start): 7:30

Time (finish): 7:55

smarTroll SN: 597519

Turbidity Meter Type: Lal/ottre 1167070

SN: 2289

Weather Conditions: cloudy

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)	200/0025	20.6	4490	4346	4505.5	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	08/2021		4.00	4.24	4.60	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	19340057 08/2021	20.7	7.00	7.02	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	19320102 08/2021	20.8	10.00	9.93	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	19460167 08/2021	20.8	228	215.6	228.9	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			160	91.9	100.2	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	-0.01	0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1	0.67	0.94	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10	13.84	9.98	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Chad Russo

Date: 6/19/2020

Time (start): 0930

Time (finish): 1010

SmartTroll SN: 643819

Turbidity Meter Type: LaMotte 2020we

SN: 1475-4011

Weather Conditions: 75°F Sunny

Facility and Unit: Hammond

Project No.: CHNGSB

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)	2001.0025	22.9	4490	4424	4370	+/- 5%	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	8/2021		4	4.16	4	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	19340057 8/2021	24.8	7	6.82	7	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	19320102 8/2021	24.7	10	9.31	9.92	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	19460167 8/2021	25.1	228	221.7	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	101.2	104.6	+/- 6% saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0.55	0.45	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1	0.45	0.89	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10	10.14	10.14	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Shawn LTA

Date: 6/19/2020

Time (start): 8:50

Time (finish): 9:10

smarTroll SN: 597519

Turbidity Meter Type: LaMotte 2020WU

SN: 2289

Weather Conditions: Sunny

Facility and Unit: Plant Hammond

Project No.: GLW6581

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	23.3	4490	4279	4495.2	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)	08/21		4.00	4.20	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	19340057 08/2021	23.3	7.00	7.00	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	19320102 08/2021	23.4	10.00	9.99	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19460167 08/2021	23.6	228	202.3	229.1	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	92.8	100.2	+/- 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	0.42	0.88	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	13.24	9.92	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Thomas Kessler

Date: 9/22/20

Time (start): 0845

Time (finish): 0915

smarTroll SN: 646773

Turbidity Meter Type: Lemna 2020

SN: 7009

Weather Conditions: Sunny 52°

Facility and Unit: Hammond

Project No.: CW6581

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	13.4	7440	4375	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	08/21		4.00	4.95	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	14340057 05/27	14.4	7.00	7.60	7.00	+/- 0.1 SU	<input type="radio"/> Yes <input checked="" type="radio"/> No	
pH (10)	14370007 08/21	14.9	10.0	10.30	10.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	14460167 08/24	15.0	<del>228</del> 228	205	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	92	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0	0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1	.56	1	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10	6	10	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Chad Russo

Date: 9/22/2020

Time (start): 0920

Time (finish): 0150

smarTroll SN: 597519

Turbidity Meter Type: Lamotte 2026uc

SN: 1510-4111

Weather Conditions: 60°F sunny

Facility and Unit: 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)	26016025	19.2	4490	4264	4490	+/- 5%	<input checked="" type="checkbox"/> Yes No	
pH (4)	8/20/21		4	4.44	4	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
pH (7)	19340057 8/20/21	18.4	7	7.13	7	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
pH (10)	19320102 8/20/21	18.3	10	9.85	10	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
ORP (mV)	19466167 8/20/21	18.2	228	256.9	232.7	+/- 20mV	<input checked="" type="checkbox"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	91.4	100.6	+/- 6% saturation	<input checked="" type="checkbox"/> Yes No	
Turbidity 0 NTU			0	0	0	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	
Turbidity 1 NTU			1	0.88	0.88	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	
Turbidity 10 NTU			10	8.98	10.15	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: VITSHISH TAUKORZ

Date: 9-22-20

Time (start): 09:15

Time (finish): 09:35

smartTroll SN: 512 733

Turbidity Meter Type: ANOTTE 2020N6

SN: 2949-0413

Weather Conditions: 55°F, SUNNY

Facility and Unit: HAMMOND

Project No.: CW0181

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)	20 010025 8/21	17.0	4490	4276	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)			4	4.37	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	193 40057 8/21	17.1	7	7.12	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	193 28102 8/21	17.2	10	9.96	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	194 60167 8/21	17.3	228	223.5	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100%	90.9%	100%	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	0.01	0.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1	1.01	1.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	9.78	10.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Thomas Hessler Date: 9/23/20 Time (start): 0700 Time (finish): 0750  
 smarTroll SN: 646775 Turbidity Meter Type: lanette 2020 SN: 7009  
 Weather Conditions: Sunny 60° Facility and Unit: Hammond Project No: 6WGS84GSS1

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)	20016025 08/21	19°	4440	4380	4490	+/- 5%	<input checked="" type="radio"/> Yes No	
pH (4)			4.0	4.91	4.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	14340057 08/21	19°	7.0	7.62	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	14320102 08/21	19.3	10.00	10.44	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	14460167 08/21	18.8	228	196.9	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	92.3	100	+/- 6% saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	-0.07	0.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1	.98	1.06	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	11.16	10.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	



EQUIPMENT CALIBRATION LOG

Field Technician: Chad Russo Date: 9/23/2020 Time (start): 0730 Time (finish): 0800  
 smarTroll SN: 597519 Turbidity Meter Type: LaMotte 2020wc SN: 1516-4111  
 Weather Conditions: 60°F clear Facility and Unit: 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)	20510025 8/2021	20.2	4490	4368	4490	+/- 5%	<input checked="" type="radio"/> Yes No	
pH (4)			4	4.43	4	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	19390057 8/2021	19.6	7	7.11	7	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	19320102 8/2021	19.8	10	9.88	10	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19460167 8/2021	19.6	228	203.8	235.9	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	90.5	99.4	+/- 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	1.10	1.10	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	10.06	10.06	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: WISHISH JAVAKOZ Date: 9-23-20 Time (start): 07 25 Time (finish): 07 45  
 smarTroll SN: 512733 Turbidity Meter Type: LI-METTE 2020W6 SN: 2949-0413  
 Weather Conditions: 55°F, CLEAR Facility and Unit: 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)	20010025	17.5	4490	4461	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)	8/21	18.4	4	4.04	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	9340057 8/21	18.8	7	7.12	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	9320102 8/21	18.9	10	10.04	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19460167 8/21	18.5	228	238	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	93.7	100%	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	0.01	0.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1	1.12	1.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	9.55	<del>9.55</del> 10.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

vt 9-23-20

**EQUIPMENT CALIBRATION LOG**

Field Technician: Thomas Kessler Date: 9/24/20 Time (start): 0720 Time (finish): 0800  
 smarTroll SN: 646775 Turbidity Meter Type: Lanette 2020we SN: 7009  
 Weather Conditions: Rainy 58° Facility and Unit: Hammond Project No: 626581

**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 08/21	17.9	4490	4385	4490	+/- 5%	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)			4.0	4.94	4.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	10840037 08/21	18.7	7.0	7.63	7.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	14320102 08/21	18.9	10.0	10.37	10.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	19460167 08/21	14.0	228	197.2	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100%	94.0%	100%	+/- 6% saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	2.00	0.041	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1	0.28	1.08	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10	14.02	9.71	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Chad Russo Date: 9/24/2020 Time (start): 0920 Time (finish): 0900  
 smarTroll SN: 597519 Turbidity Meter Type: LaMotte 2000we SN: 1510-4111  
 Weather Conditions: 60°F raining Facility and Unit: 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)	2001025 8/2021	20.5	4490	4400	4490	+/- 5%	<input checked="" type="checkbox"/> Yes No	
pH (4)			4	4.5	4	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
pH (7)	19340057 8/2021	20.5	7	6.92	7	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
pH (10)	19320102 8/2021	20.8	10	9.71	10	+/- 0.1 SU	<input checked="" type="checkbox"/> Yes No	
ORP (mV)	19406167 8/2021	21	228	204	234.8	+/- 20mV	<input checked="" type="checkbox"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	89.1	180	+/- 6% saturation	<input checked="" type="checkbox"/> Yes No	
Turbidity 0 NTU			0	0	0	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	
Turbidity 1 NTU			1	1.32	1.32	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	
Turbidity 10 NTU			10	10.71	10.34	+/- 0.5 NTU	<input checked="" type="checkbox"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: VASHISH TADKOR Date: 9-24-2020 Time (start): 0745 Time (finish): 0815  
 smarTroll SN: 512733 Turbidity Meter Type: LAQUETTE 2020W2 SN: 2949-0413  
 Weather Conditions: 60°F, RAINY Facility and Unit: HANMANN Project No.: GW0591

Calibration log

	Standard Lot # / Date of Expiration	Temp of Standard (°C)	Value of Standard	Initial Reading	Post-Cal Reading	Acceptable Range	Pass?	Comments
Specific Conductance (µS/cm)	20010025 8/21	17.5	4490	4450	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)			4	4.36	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	19340057 8/21	18.3	7	7.16	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	19320102 8/21	18.6	10	9.99	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19460167 8/21	19.4	228	193.9	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	93.0	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	0.02	0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1	1.23	1	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	10.27	10	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Thomas Kessler Date: 9/25/20 Time (start): 0900 Time (finish): 0930  
 smarTroll SN: 646775 Turbidity Meter Type: Lamotte 2020 SN: 7009  
 Weather Conditions: Rainy, 68° Facility and Unit: hammond Project No.: 6WGS81

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)	20010625	18.9	4440	4304	<del>4440</del> 4492	+/- 5%	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	08/21		4.0	4.92	4.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	19340054 08/21	19.2	7.0	7.59	7.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	19320102 08/21	19.4	10.00	10.39	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	19460167 08/21	19.7	228	197.0	<del>228</del> 228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	93.1	100	+/- 6% saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0.42	0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1	0.44	1.04	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10	9.82	10.39	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Chad Russo Date: 9/25/2020 Time (start): 0910 Time (finish): 0941  
 smarTroll SN: 597519 Turbidity Meter Type: LaMotte SN: 1510-4111  
 Weather Conditions: 65°F overcast Facility and Unit: Hammond Project No.: GW6981

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	21.0	4490	4364	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	8/2021		4	4.51	4	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	19340057 8/1/2021	21.0	7	6.86	7	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	14320362 8/2021	21.2	10	8.55	10	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	19400167 8/2021	21.3	228	243.5	235.3	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			<del>100</del> 100	90.3	100.3	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0	0	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1	1.08	1.08	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10	7.62	10.06	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: WASHISH TAJROOR Date: 9-25-20 Time (start): 09:00 Time (finish): 09:20  
 smarTroll SN: 512733 Turbidity Meter Type: LAMOTTE, 2000LE SN: 2940-643  
 Weather Conditions: 68°F, RAINY Facility and Unit: 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)	2001 0025 8/21	19.3	4490	4321	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	
pH (4)			4	4.36	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	10340057 8/21	19.3	7	7.10	7.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	19320102 8/21	19.4	10	9.97	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19460167 8/21		228	207.6	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100	94.1	100	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	0.00	0.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1	1.26	1.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10	9.77	10.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	



EQUIPMENT CALIBRATION LOG

Field Technician: Aaron Becker Date: 9-28-2020 Time (start): 1330 Time (finish): 1405  
 smarTroll SN: 512733 Turbidity Meter Type: Lemotte SN: 2949  
 Weather Conditions: Sunny H:82/L:71 Facility and Unit: Hammond Project No.: GV6581

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 08/2021	27.5	4440	4341	4440	+/- 5 %	Yes No	
pH (4)		27.6	4.00	4.25	4.00	+/- 0.1 SU	Yes No	
pH (7)	08/2021 19340057	26.7	7.00	7.11	7.00	+/- 0.1 SU	Yes No	
pH (10)	08/2021 19320102	26.2	10.00	10.08	10.00	+/- 0.1 SU	Yes No	
ORP (mV)	19460167	26.6	228.0	197.4	228.0	+/- 20mV	Yes No	
DO (%) (1pt, 100% water saturated air cal)			100%	97.7	100%	+/- 6 % saturation	Yes No	
Turbidity 0 NTU			0	0	0	+/- 0.5 NTU	Yes No	
Turbidity 1 NTU			1.00	0.99	1.00	+/- 0.5 NTU	Yes No	
Turbidity 10 NTU			10	10	10	+/- 0.5 NTU	Yes No	

EQUIPMENT CALIBRATION LOG

Field Technician: Thomas Kessler Date: 9/28/20 Time (start): 0815 Time (finish): 0848  
 smarTroll SN: 646775 Turbidity Meter Type: Lanott 2020w SN: 7009  
 Weather Conditions: Sunny 68° Facility and Unit: Hammond Project No.: 610658

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	22.1	4490	4448	4490	+/- 5 %	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (4)	08/21		4.00	4.87	4.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (7)	19340054 08/21	22.8	7.00	7.58	7.0	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
pH (10)	19320002 08/21	23.1	10.00	10.42	10.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
ORP (mV)	1946067 08/21	23.3	228	189.2	228	+/- 20mV	<input checked="" type="radio"/> Yes <input type="radio"/> No	
DO (%) (1pt, 100% water saturated air cal)			100	95.9	99.8	+/- 6 % saturation	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 0 NTU			0	0.01	0.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 1 NTU			1	1.29	1.28	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	
Turbidity 10 NTU			10	6.73	9.85	+/- 0.5 NTU	<input checked="" type="radio"/> Yes <input type="radio"/> No	

EQUIPMENT CALIBRATION LOG

Field Technician: Thomas Kessler

Date: 11/10/2020

Time (start): 0738

Time (finish): 0808

smarTroll SN: 728550

Turbidity Meter Type: LaMotte 2020we

SN: 1859-0412

Weather Conditions: overcast, 70°

Facility and Unit: Plant Hammond

Project No.: GW6581

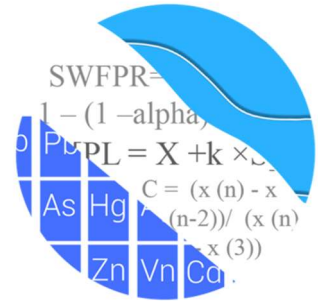
Calibration log

	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)	20010025 /	25°	4490 <del>4.60</del>	5042 <del>3.80</del>	4490	+/- 5 %	<input checked="" type="radio"/> Yes No	Aquatroll 400 ↓
pH (4)	08/21		4.00	3.81	4.00	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (7)	19340057 08/21	20.61°	7.00	7.12	7.02 <del>7.00</del>	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
pH (10)	19320102 08/21	20.66°	10	10.15	10.04 <del>10.00</del>	+/- 0.1 SU	<input checked="" type="radio"/> Yes No	
ORP (mV)	19460167 08/21	20.79	228	226.8	228	+/- 20mV	<input checked="" type="radio"/> Yes No	
DO (%) (1pt, 100% water saturated air cal)			100%	99.93%	100%	+/- 6 % saturation	<input checked="" type="radio"/> Yes No	
Turbidity 0 NTU			0	0.54	0.38	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 1 NTU			1.00	1.00	1.00	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	
Turbidity 10 NTU			10.00	7.67	9.93	+/- 0.5 NTU	<input checked="" type="radio"/> Yes No	

# APPENDIX E

## Statistical Analysis Packages

## GROUNDWATER STATS CONSULTING



August 26, 2020

Southern Company Services  
Attn: Ms. Kristen Jurinko  
241 Ralph McGill Blvd NE, Bin 10160  
Atlanta, Georgia 30308

Re: Plant Hammond's Huffaker Road Landfill  
March 2020 Event – Statistical Analysis

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the March 2020 Semi-Annual Groundwater Monitoring Statistical summary of the analysis of groundwater data for Georgia Power Company's Plant Hammond's Huffaker Road Landfill. An addendum report which evaluates data collected as resamples subsequent to this analysis follows the main report. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began for the 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 reviewed by Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to Groundwater Stats Consulting. The analysis is prepared according to the recommended statistical methodology provided in the Fall 2017 by Dr. Kirk Cameron, PhD Statistician with MacStat Consulting, primary author of the USEPA Unified Guidance.

The following constituents were evaluated:

- **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% nondetects follows this letter.

A substitution of the most recent reporting limit is used for nondetect data. Reporting limits often decrease over time due to improved laboratory practices and often result in more conservative statistical limits. As a result, some limits for cadmium, cobalt, copper, nickel, and silver have decreased. However, in some cases the most recent reporting limit increased compared to historical data. Specifically, the reporting limit for zinc increased from 0.01 mg/L to 0.02 mg/L and resulted in slightly higher limits. 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.

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 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 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 nondetects, 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% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% nondetects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

## **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 at all wells and parameters are formally tested using Tukey's box plot method and, when identified, flagged in the computer database with "o" and deselected prior to construction of statistical limits.

Using the Tukey box plot method, several outliers were identified. When the most recent values are identified as outliers, values were not flagged in the database at this time



(except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values are observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits for many constituents, when the nondetects 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 nondetects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. These values are plotted in a disconnected and lighter symbol on the time series graph. The accompanying data pages display the flagged value in a lighter font as well. A substitution of the most recent reporting limit was applied when varying detection limits existed in data. 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 to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. Several statistically significant decreasing trends were noted, as well as a few statistically significant increasing

trends for barium. The magnitude of the majority 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 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 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 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.

Note that 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 leaned towards more stable concentrations at slightly lower levels. Boron at GWC-8 had three high values most 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 short-term or not the result of the facility, and this record was appropriately updated. Since the older background period comprises only a single year of data, it was likely that the difference in medians is due to natural year-to-year variation. 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.

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. Future compliance observations at each well are compared to these background limits during each subsequent semi-annual sampling event.

### **Evaluation of Georgia EPD Constituents – March 2020**

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are

recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through December 2018, except for the cases mentioned above, within each well. The March 2020 compliance data were compared to these intrawell background limits. As mentioned above, no statistical analyses were included for well/constituent pairs with 100% nondetects. A summary of those well/constituent pairs follows this letter.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of one additional sample to determine whether the initial exceedance is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. A summary of the Georgia EPD prediction limits follows this report (Figure D). Exceedances were noted for the following downgradient well/constituent pairs:

- Barium: GWC-8, GWC-19, and GWC-20

While the Sanitas software identified a statistical exceedance for barium in well GWC-19, it is due to rounding of significant figures with a reported March 2020 measurement of 0.17 mg/L when compared to its prediction limit of 0.1697 mg/L.

When prediction limit exceedances occur in any of the downgradient wells, data are further evaluated using the Sen's Slope/Mann Kendall trend test to determine whether concentrations are statistically increasing, decreasing, or stable. Upgradient wells are included in the trend analyses to identify whether similar patterns exist upgradient of the site which is an indication of natural variability in groundwater unrelated to practices at the site. This is the case for the increasing trends noted below for barium which suggests the changes are naturally occurring in groundwater quality and are unrelated to practices at the site. Additionally, A summary of the trend test results follows this letter (Figure E). Statistically significant trends were noted for the following well/constituent pairs:

Increasing trends:

- Barium: GWA-2 (upgradient) and GWC-20

Decreasing trends:

- Barium: GWA-3 (upgradient) and GWA-4 (upgradient)

### **Evaluation of Appendix III Parameters – March 2020**

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 F). Exceedances were noted for the following downgradient well/constituent pairs:

- Boron: GWC-6 and GWC-8
- Calcium: GWC-19 and GWC-20
- Chloride: GWC-7
- pH: GWC-10

Note that the most recent reported measurements for boron in wells GWC-6 and GWC-8 are higher than their respective background limits. However, because these values are flagged by the laboratory with "J" to indicate the measurements are estimated values (i.e. less than the reporting limit of 0.1 mg/L), they are not identified as statistically significant by the Sanitas software. Data 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 99% confidence, along with upgradient wells for the same constituents. A summary of the trend test results follows this letter (Figure G). No statistically significant increasing trends were found except for boron in well GWC-8. Reported concentrations of boron in this well, however, are estimated values as discussed above and are lower than those reported in one or more of the upgradient wells which indicate boron is naturally occurring in groundwater quality. A statistically significant decreasing trend was noted for pH in well GWC-10.

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 Collins  
Groundwater Analyst



Kristina Rayner  
Groundwater Statistician

# 100% Nondetect Well-Constituent Pairs

Date: 6/12/2020 2:56 PM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

**Antimony (mg/L)**

GWC-18, 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-19, 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-18, 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: 6/12/2020 1:27 PM

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

# Outlier Summary

Plant Hammond   Client: Southern Company   Data: Huffaker Road Landfill   Printed 5/28/2020, 3:53 PM

	GWC-8 Antimony (mg/L)	GWC-7 Arsenic (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)	GWC-7 Nickel (mg/L)
5/9/2007	0.038 (o)	0.28 (o)	0.023 (o)			0.11 (o)	6.5 (o)	0.44 (o)	18 (o)	
7/6/2007							2.1 (o)		5.9 (o)	
8/28/2007							1.4 (o)			
11/6/2007	0.0064 (o)						1.1 (o)			
10/5/2017						5.5 (o)				
10/4/2018					264 (o)					

	GWC-7 Zinc (mg/L)
5/9/2007	45 (o)
7/6/2007	16 (o)
8/28/2007	11 (o)
11/6/2007	
10/5/2017	
10/4/2018	

# State Parameter Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 5/28/2020, 4:07 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-19	0.1697	n/a	3/31/2020	0.17	Yes	23	0.00038790	0.000176	0	None	x^4	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-20	0.1358	n/a	3/31/2020	0.15	Yes	31	0.001502	0.0004195	0	None	x^3	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-8	0.1227	n/a	3/27/2020	0.14	Yes	31	0.316	0.01439	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2

# State Parameter Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 5/28/2020, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.003	n/a	3/26/2020	0.00028	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	3/26/2020	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	3/26/2020	0.00049	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	3/26/2020	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	3/26/2020	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	3/27/2020	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-19	0.003	n/a	3/31/2020	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	3/31/2020	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	3/31/2020	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	3/30/2020	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	3/27/2020	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	3/27/2020	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	3/26/2020	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	3/26/2020	0.00048	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	3/26/2020	0.00044	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	3/30/2020	0.00073	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	3/31/2020	0.00035	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	3/26/2020	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	3/31/2020	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	3/30/2020	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	3/27/2020	0.002	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	3/27/2020	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	3/26/2020	0.032	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	3/26/2020	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	3/26/2020	0.16	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	3/26/2020	0.14	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	3/26/2020	0.049	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	3/27/2020	0.037	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	3/30/2020	0.077	No	32	0.07311	0.006987	0	None	No	0.0002926	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-19</b>	<b>0.1697</b>	<b>n/a</b>	<b>3/31/2020</b>	<b>0.17</b>	<b>Yes</b>	<b>23</b>	<b>0.00038790</b>	<b>0.000176</b>	<b>0</b>	<b>None</b>	<b>x^4</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
<b>Barium (mg/L)</b>	<b>GWC-20</b>	<b>0.1358</b>	<b>n/a</b>	<b>3/31/2020</b>	<b>0.15</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	3/31/2020	0.044	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	3/31/2020	0.1	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-23	0.08464	n/a	3/26/2020	0.071	No	32	0.06272	0.009212	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.1274	n/a	3/31/2020	0.064	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	3/31/2020	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	3/30/2020	0.21	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>3/27/2020</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	3/27/2020	0.06	No	20	0.06193	0.00445	0	None	No	0.0002926	Param Intra 1 of 2
Beryllium (mg/L)	GWA-3	0.003	n/a	3/26/2020	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-7	0.137	n/a	3/30/2020	0.003ND	No	30	-6.771	1.993	23.33	Kaplan-Meier	ln(x)	0.0002926	Param Intra 1 of 2
Cadmium (mg/L)	GWA-4	0.0025	n/a	3/26/2020	0.0025ND	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	0.0025	n/a	3/27/2020	0.0025ND	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	0.0025	n/a	3/30/2020	0.0025ND	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	0.0025	n/a	3/31/2020	0.0025ND	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	0.0025	n/a	3/31/2020	0.0025ND	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	0.0025	n/a	3/26/2020	0.0025ND	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	0.0025	n/a	3/31/2020	0.0025ND	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	0.0081	n/a	3/30/2020	0.0025ND	No	30	n/a	n/a	80	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8	0.0025	n/a	3/27/2020	0.0025ND	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	0.0025	n/a	3/27/2020	0.0025ND	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	3/26/2020	0.01ND	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	0.01	n/a	3/26/2020	0.01ND	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	0.01	n/a	3/26/2020	0.00043	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3	0.01	n/a	3/26/2020	0.00062	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2

# State Parameter Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 5/28/2020, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWA-4	0.01	n/a	3/26/2020	0.0013	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	0.01	n/a	3/27/2020	0.01ND	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	0.01	n/a	3/30/2020	0.00071	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19	0.01	n/a	3/31/2020	0.00042	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	0.01	n/a	3/31/2020	0.01ND	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	0.01	n/a	3/31/2020	0.00093	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	0.01	n/a	3/31/2020	0.0015	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	0.01	n/a	3/26/2020	0.01ND	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	0.01	n/a	3/31/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.01	n/a	3/31/2020	0.00085	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-7	0.01	n/a	3/30/2020	0.00041	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	0.01	n/a	3/27/2020	0.01ND	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	0.01	n/a	3/27/2020	0.01ND	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	3/26/2020	0.00049	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	3/26/2020	0.00063	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	3/26/2020	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	3/26/2020	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	0.01	n/a	3/26/2020	0.00082	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	0.0025	n/a	3/27/2020	0.00082	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	3/31/2020	0.0019	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	0.01	n/a	3/26/2020	0.00035	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	3/31/2020	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-6	0.005	n/a	3/31/2020	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	3/30/2020	0.012	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	3/27/2020	0.0016	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	0.01	n/a	3/27/2020	0.00063	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	3/26/2020	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	3/26/2020	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	0.025	n/a	3/26/2020	0.00022	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	3/26/2020	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	0.025	n/a	3/27/2020	0.00022	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	3/30/2020	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	3/31/2020	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	3/31/2020	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	0.025	n/a	3/31/2020	0.00082	No	25	n/a	n/a	76	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22	0.025	n/a	3/31/2020	0.0002	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	0.025	n/a	3/26/2020	0.00067	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	0.025	n/a	3/31/2020	0.00019	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	3/31/2020	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	3/30/2020	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	3/27/2020	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	3/27/2020	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	0.005	n/a	3/26/2020	0.005ND	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	3/26/2020	0.000047	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.005	n/a	3/27/2020	0.000054	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19	0.005	n/a	3/31/2020	0.000061	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	0.005	n/a	3/31/2020	0.005ND	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	3/31/2020	0.005ND	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	3/31/2020	0.00013	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	3/26/2020	0.00016	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	0.005	n/a	3/31/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6	0.005	n/a	3/31/2020	0.005ND	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	3/30/2020	0.000048	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	0.005	n/a	3/27/2020	0.005ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.01	n/a	3/26/2020	0.00065	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2

# State Parameter Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 5/28/2020, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-11	0.01	n/a	3/26/2020	0.002	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	3/26/2020	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	0.01	n/a	3/26/2020	0.0011	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	0.01	n/a	3/26/2020	0.00096	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	0.01	n/a	3/27/2020	0.0023	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.01	n/a	3/30/2020	0.00048	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	3/31/2020	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	3/31/2020	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	3/31/2020	0.0039	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	3/31/2020	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	0.01	n/a	3/26/2020	0.001	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	0.01	n/a	3/31/2020	0.0013	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	3/31/2020	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	3/30/2020	0.037	No	12	0.133	0.06625	0	None	No	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.01	n/a	3/27/2020	0.00053	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	3/27/2020	0.0022	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	0.01	n/a	3/26/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-10	0.01	n/a	3/27/2020	0.01ND	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	0.01	n/a	3/31/2020	0.01ND	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	0.01	n/a	3/31/2020	0.01ND	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	0.01	n/a	3/27/2020	0.01ND	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	3/31/2020	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	3/30/2020	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	3/31/2020	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	3/26/2020	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	3/31/2020	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	3/30/2020	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	3/27/2020	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	0.02	n/a	3/26/2020	0.02ND	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	0.02	n/a	3/26/2020	0.02ND	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	0.02	n/a	3/26/2020	0.02ND	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	0.02	n/a	3/26/2020	0.02ND	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	3/26/2020	0.02ND	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	0.02	n/a	3/27/2020	0.02ND	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	0.02	n/a	3/30/2020	0.02ND	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	0.02	n/a	3/31/2020	0.02ND	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	0.02	n/a	3/31/2020	0.02ND	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	3/31/2020	0.02ND	No	25	n/a	n/a	12	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-22	0.02	n/a	3/31/2020	0.02ND	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	0.02	n/a	3/26/2020	0.02ND	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	0.02	n/a	3/31/2020	0.02ND	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	0.02	n/a	3/31/2020	0.02ND	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	3/30/2020	0.051	No	12	0.2426	0.123	0	None	No	0.0002926	Param Intra 1 of 2
Zinc (mg/L)	GWC-8	0.02	n/a	3/27/2020	0.02ND	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	0.02	n/a	3/27/2020	0.02ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2

# Trend Test Summary (State) - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/12/2020, 2:39 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)	0.004101	314	184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	-0.004717	-334	-184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	-0.00353	-218	-184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-20	0.002061	281	176	Yes	34	0	n/a	n/a	0.01	NP

# Trend Test Summary (State) - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/12/2020, 2:39 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.00005409	-31	-184	No	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-11 (bg)	-0.0001551	-95	-184	No	35	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>0.004101</b>	<b>314</b>	<b>184</b>	<b>Yes</b>	<b>35</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)	-0.004717	-334	-184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	-0.00353	-218	-184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-20	0.002061	281	176	Yes	34	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-8	0.0003024	47	184	No	35	0	n/a	n/a	0.01	NP



# Federal Intrawell Prediction Limit Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 7:32 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-19	49.63	n/a	3/31/2020	52.3	Yes	13	43.91	2.178	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-20	63.52	n/a	3/31/2020	63.6	Yes	13	52.64	4.139	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-7	2.458	n/a	3/30/2020	9.2	Yes	13	1.654	0.3056	0	None	No	0.0006269	Param Intra 1 of 2
pH (s.u.)	GWC-10	7.697	6.845	3/27/2020	6.82	Yes	13	7.271	0.162	0	None	No	0.0003135	Param Intra 1 of 2

# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 7:32 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWA-1	0.05	n/a	3/26/2020	0.022J	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	3/26/2020	0.041J	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	3/26/2020	0.092J	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	3/26/2020	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	3/26/2020	0.086J	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	3/27/2020	0.04J	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	3/30/2020	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	3/31/2020	0.18	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	3/31/2020	0.024J	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	3/31/2020	0.022J	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	3/31/2020	0.067J	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	3/26/2020	0.042J	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	3/31/2020	0.057J	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	3/31/2020	0.091J	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	3/30/2020	0.049J	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	3/27/2020	0.056J	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	3/27/2020	0.018J	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	3/26/2020	14	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	3/26/2020	22.4	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	3/26/2020	43.2	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	3/26/2020	78.7	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	3/26/2020	87.4	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	3/27/2020	22.9	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	3/30/2020	45.7	No	14	40.09	2.439	0	None	No	0.0006269	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-19</b>	<b>49.63</b>	<b>n/a</b>	<b>3/31/2020</b>	<b>52.3</b>	<b>Yes</b>	<b>13</b>	<b>43.91</b>	<b>2.178</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
<b>Calcium (mg/L)</b>	<b>GWC-20</b>	<b>63.52</b>	<b>n/a</b>	<b>3/31/2020</b>	<b>63.6</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	3/31/2020	25.6	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	3/31/2020	51.5	No	13	47.68	1.891	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-23	45.95	n/a	3/26/2020	44.7	No	13	36.75	3.5	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-5	90.26	n/a	3/31/2020	84.2	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	3/31/2020	70.6	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	3/30/2020	47.8	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	3/27/2020	87.3	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	3/27/2020	34.3	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	3/26/2020	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	3/26/2020	1.4	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	3/26/2020	2	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	3/26/2020	2.6	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	3/26/2020	5.4	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	3/27/2020	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	3/30/2020	1	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	3/31/2020	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	3/31/2020	1.1	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	3/31/2020	1.5	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	3/31/2020	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	3/26/2020	0.63J	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	3/31/2020	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	3/31/2020	1.5	No	13	1.955	0.1913	0	None	No	0.0006269	Param Intra 1 of 2
<b>Chloride (mg/L)</b>	<b>GWC-7</b>	<b>2.458</b>	<b>n/a</b>	<b>3/30/2020</b>	<b>9.2</b>	<b>Yes</b>	<b>13</b>	<b>1.654</b>	<b>0.3056</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Chloride (mg/L)	GWC-8	3.306	n/a	3/27/2020	2.5	No	15	1.936	0.545	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 7:32 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWC-9	1.823	n/a	3/27/2020	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	3/26/2020	0.082J	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	3/26/2020	0.057J	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	3/26/2020	0.12J	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	3/26/2020	0.09J	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	3/26/2020	0.089J	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	3/27/2020	0.15ND	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	3/30/2020	0.1J	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	3/31/2020	0.099J	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	3/31/2020	0.054J	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	3/31/2020	0.15ND	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	3/31/2020	0.055J	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	3/26/2020	0.064J	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	3/31/2020	0.15ND	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	3/31/2020	0.053J	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	3/30/2020	0.16J	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	3/27/2020	0.12J	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	3/27/2020	0.078J	No	13	0.09607	0.03684	7.692	None	No	0.0006269	Param Intra 1 of 2
pH (s.u.)	GWA-1	7.414	6.463	3/26/2020	7.02	No	13	6.938	0.1807	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWA-11	7.075	6.309	3/26/2020	6.83	No	13	6.692	0.1457	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWA-2	7.273	6.46	3/26/2020	7.07	No	13	6.867	0.1547	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWA-3	7.238	6.227	3/26/2020	6.87	No	13	6.732	0.1922	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWA-4	7.246	6.263	3/26/2020	6.74	No	13	6.755	0.1869	0	None	No	0.0003135	Param Intra 1 of 2
<b>pH (s.u.)</b>	<b>GWC-10</b>	<b>7.697</b>	<b>6.845</b>	<b>3/27/2020</b>	<b>6.82</b>	<b>Yes</b>	<b>13</b>	<b>7.271</b>	<b>0.162</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003135</b>	<b>Param Intra 1 of 2</b>
pH (s.u.)	GWC-18	7.781	7.39	3/30/2020	7.65	No	13	7.585	0.07423	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-19	7.732	7.179	3/31/2020	7.62	No	13	7.455	0.1052	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-20	7.588	6.958	3/31/2020	7.57	No	15	7.273	0.1253	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-21	7.759	5.557	3/31/2020	6.33	No	13	6.658	0.4189	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-22	7.968	7.278	3/31/2020	7.8	No	14	7.623	0.1341	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-23	7.564	6.735	3/26/2020	6.88	No	13	7.149	0.1578	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-5	7.288	6.348	3/31/2020	6.82	No	13	6.818	0.1788	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-6	7.369	6.632	3/31/2020	7.17	No	13	7.001	0.1401	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-7	6.623	5.502	3/30/2020	6.48	No	13	6.062	0.2132	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-8	7.808	6.743	3/27/2020	7.01	No	15	7.275	0.2119	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-9	7.362	6.212	3/27/2020	7.11	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	3/26/2020	5	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	3/26/2020	10.8	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	3/26/2020	15.6	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	3/26/2020	95.8	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	3/26/2020	128	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	3/27/2020	10.8	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	3/30/2020	9.7	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	3/31/2020	17.8	No	13	16.18	1.748	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	58.56	n/a	3/31/2020	53.6	No	18	35.78	9.504	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	57.26	n/a	3/31/2020	29.9	No	13	30.96	10.01	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22	14	n/a	3/31/2020	10.9	No	13	7.792	2.363	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	43	n/a	3/26/2020	14.5	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	3/31/2020	92.6	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	3/31/2020	106	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	3/30/2020	64.6	No	13	114.7	28.53	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 7:32 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-8	62.67	n/a	3/27/2020	31.5	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	3/27/2020	54	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	3/26/2020	73	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	3/26/2020	76	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	3/26/2020	222	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	3/26/2020	450	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	3/26/2020	466	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	3/27/2020	118	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	3/30/2020	217	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	3/31/2020	233	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	3/31/2020	267	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	3/31/2020	111	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	3/31/2020	195	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	3/26/2020	193	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	3/31/2020	408	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	3/31/2020	349	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	3/30/2020	216	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	3/27/2020	329	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	3/27/2020	192	No	13	235.2	34.54	0	None	No	0.0006269	Param Intra 1 of 2

# Trend Test Summary (Federal) - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 8:30 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>
<b>Boron (mg/L)</b>	<b>GWC-8</b>	<b>0.007378</b>	<b>58</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>pH (s.u.)</b>	<b>GWC-10</b>	<b>-0.1134</b>	<b>-51</b>	<b>-48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

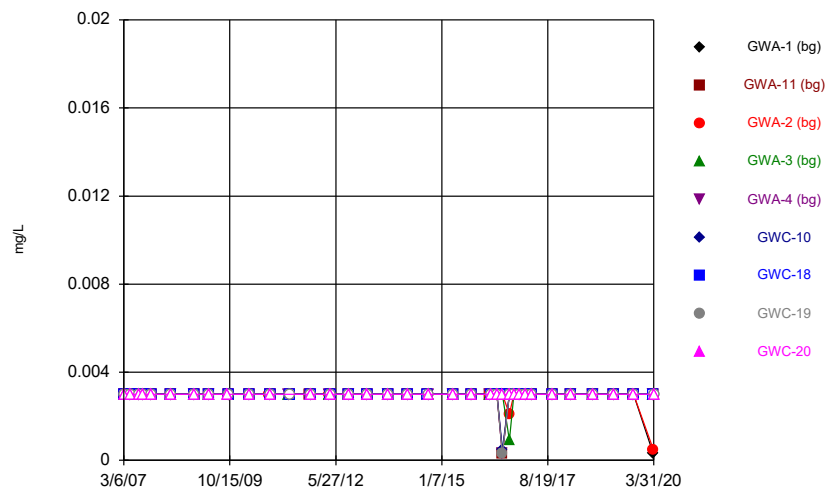
# Trend Test Summary (Federal) - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 8:30 AM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GWA-1 (bg)	-0.00009786	-6	-48	No	14	14.29	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-11 (bg)	-0.00009643	-1	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-2 (bg)	-0.001436	-15	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-3 (bg)	0.002072	4	48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-4 (bg)	-0.003283	-13	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWC-6	0.001163	28	53	No	15	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>GWC-8</b>	<b>0.007378</b>	<b>58</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	-0.03389	-4	-48	No	14	7.143	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-11 (bg)	-0.08391	-4	-48	No	14	7.143	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-2 (bg)	-0.5958	-9	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-3 (bg)	0.7795	9	48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-4 (bg)	-5.451	-27	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-19	0.1213	3	48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-20	2.471	35	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-1 (bg)	0	8	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-11 (bg)	0.003456	8	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	0.07228	17	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-3 (bg)	-0.1718	-24	-48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-4 (bg)	-0.03551	-2	-48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-7	0.173	30	48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	GWA-1 (bg)	-0.0312	-8	-48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	GWA-11 (bg)	-0.03008	-9	-48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	GWA-2 (bg)	-0.04588	-15	-48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	GWA-3 (bg)	-0.01474	-6	-48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	GWA-4 (bg)	0.01813	17	48	No	14	0	n/a	n/a	0.01	NP
<b>pH (s.u.)</b>	<b>GWC-10</b>	<b>-0.1134</b>	<b>-51</b>	<b>-48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

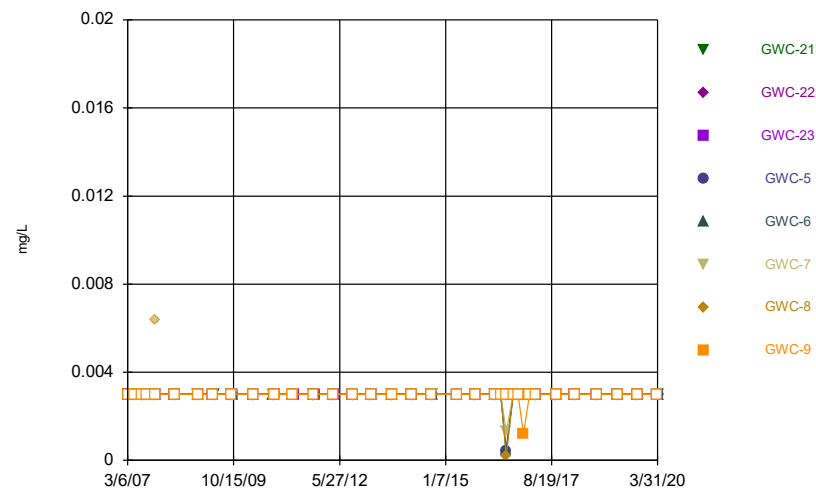
FIGURE A.

### Time Series



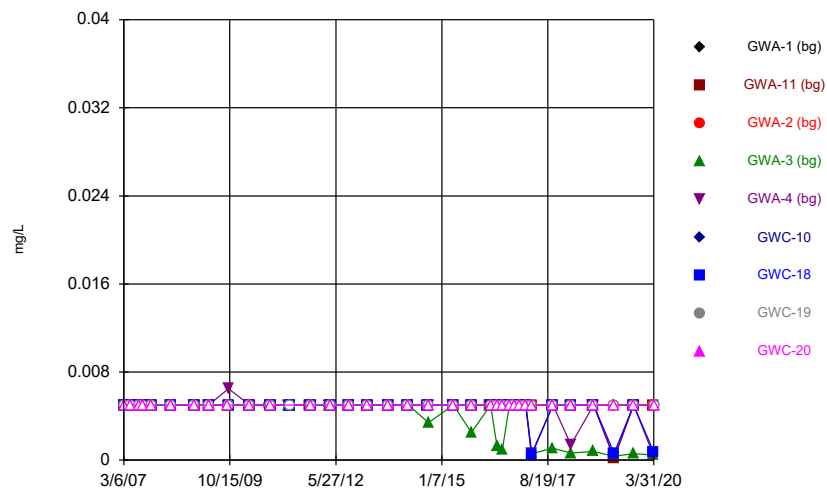
Constituent: Antimony Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



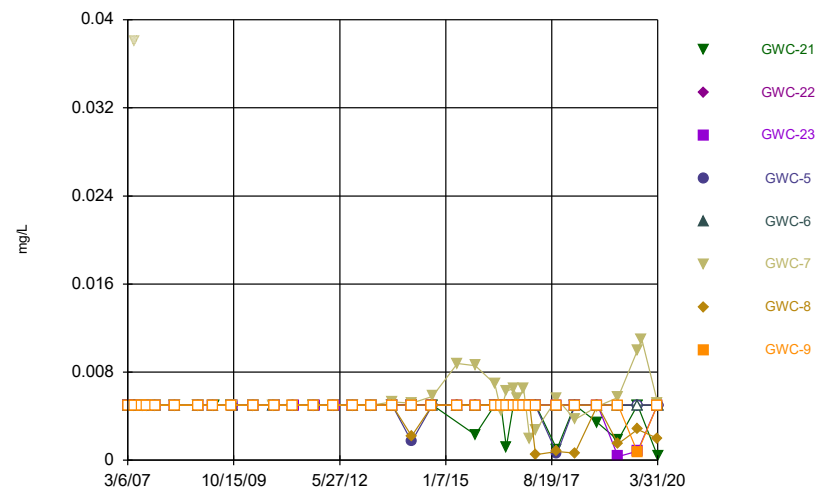
Constituent: Antimony Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



Constituent: Arsenic Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

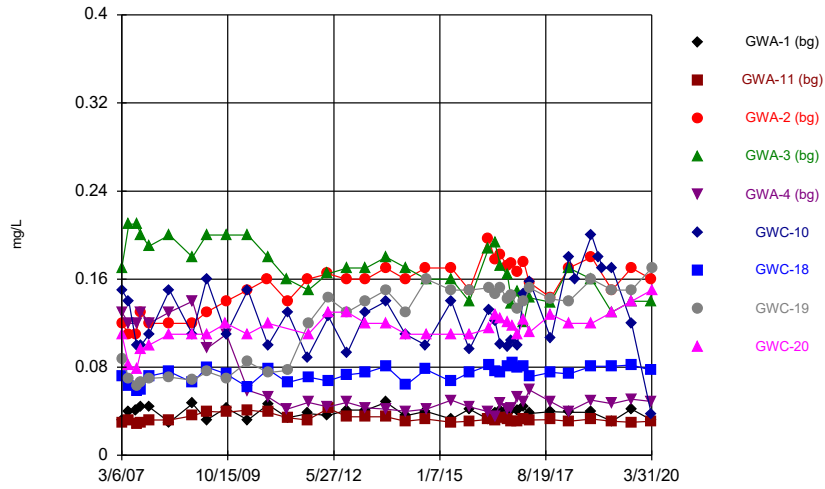
### Time Series



Constituent: Arsenic Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

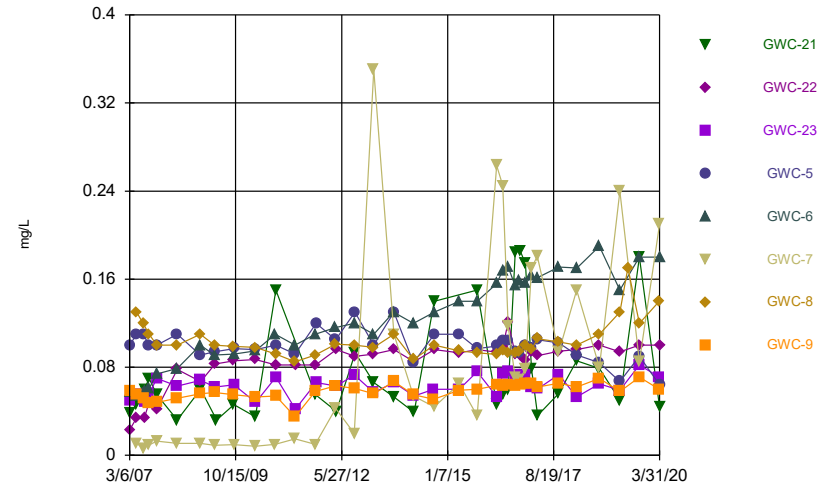


Time Series



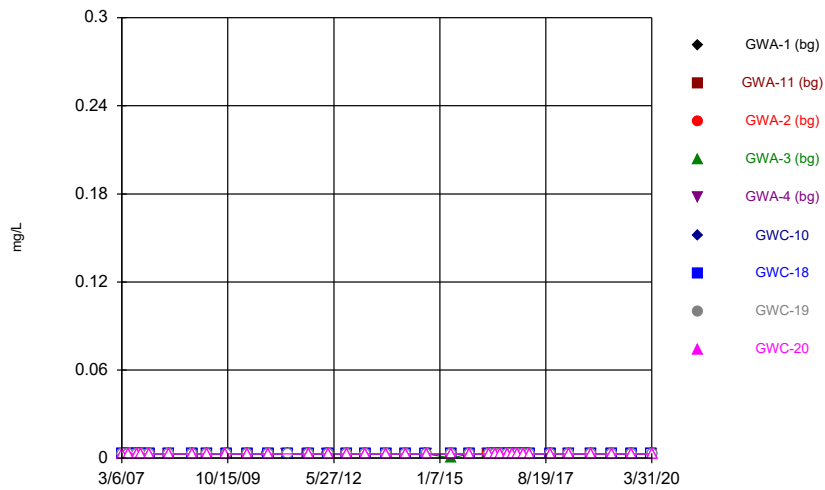
Constituent: Barium Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



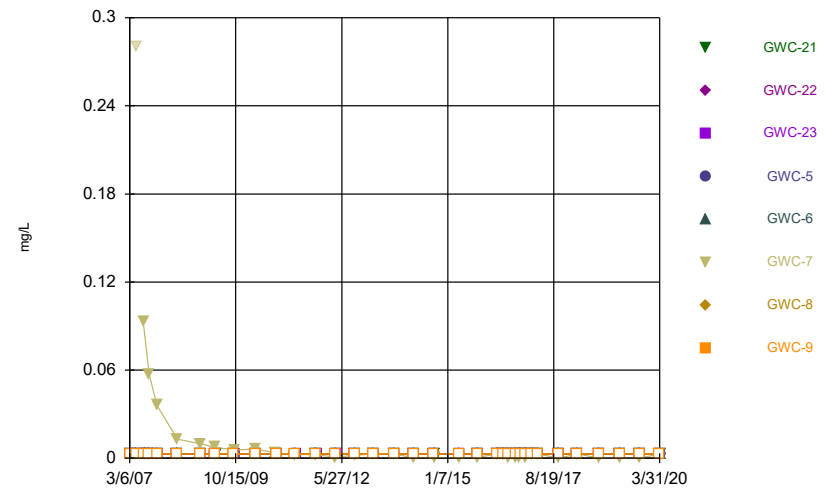
Constituent: Barium Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



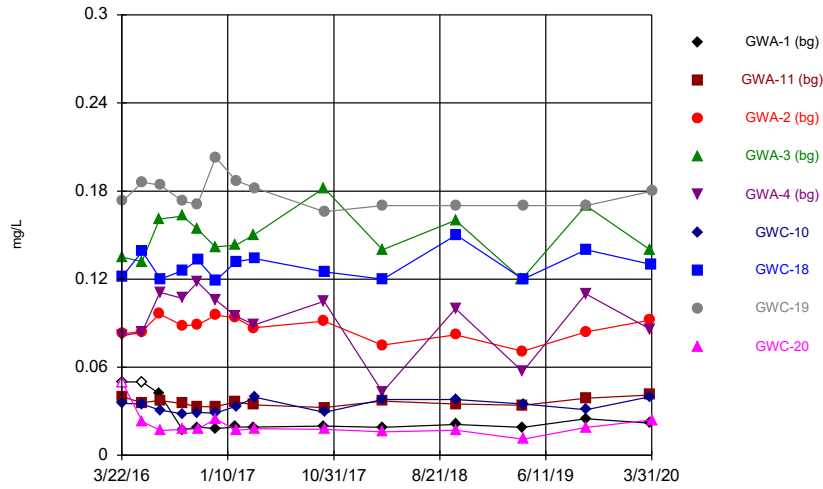
Constituent: Beryllium Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



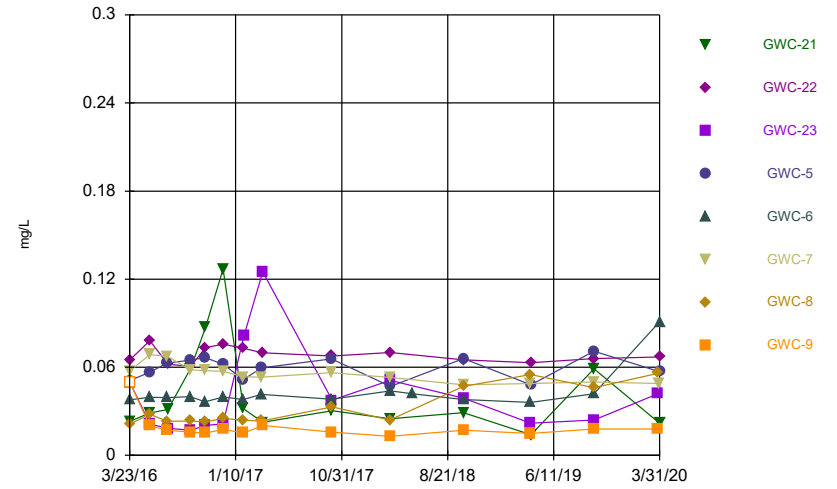
Constituent: Beryllium Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



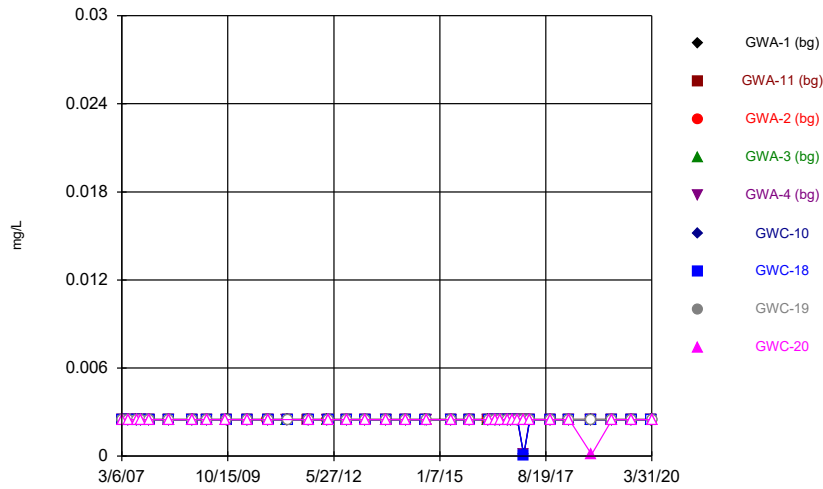
Constituent: Boron Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



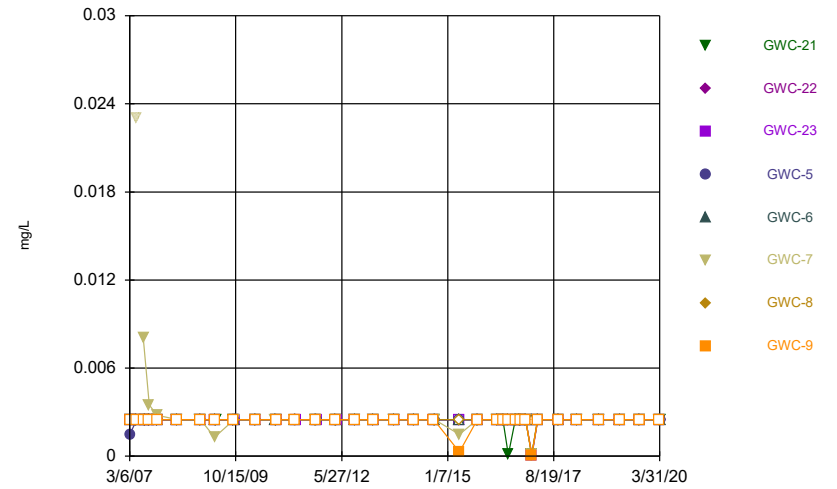
Constituent: Boron Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



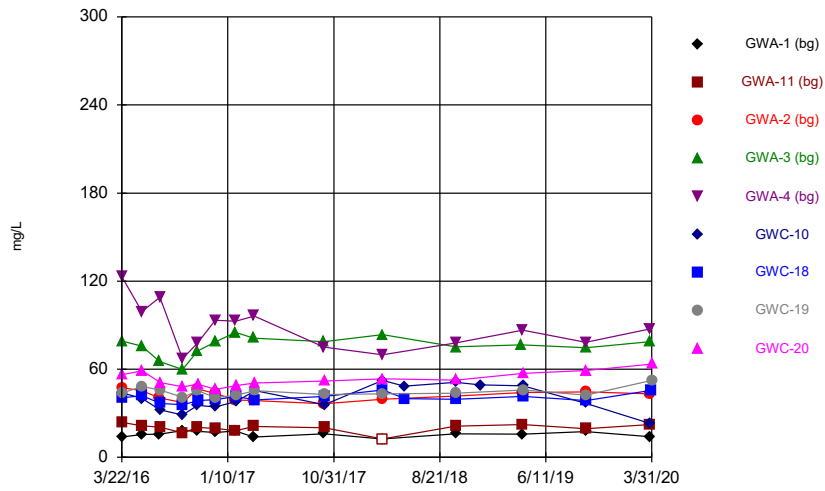
Constituent: Cadmium Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



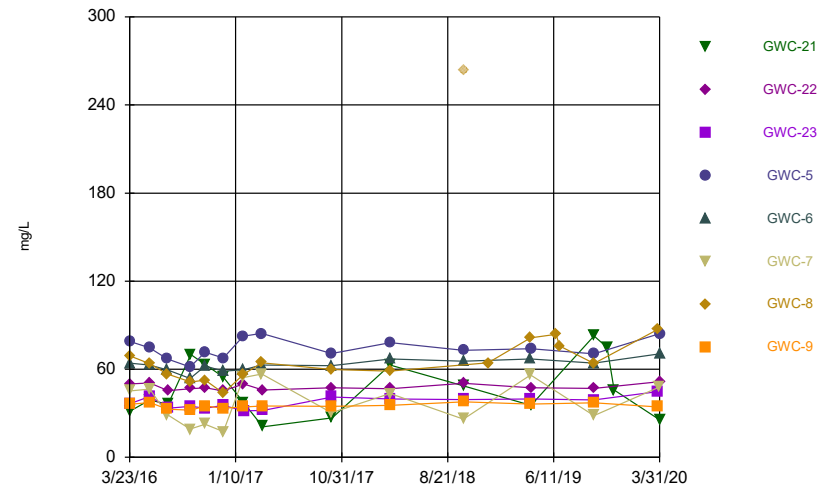
Constituent: Cadmium Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



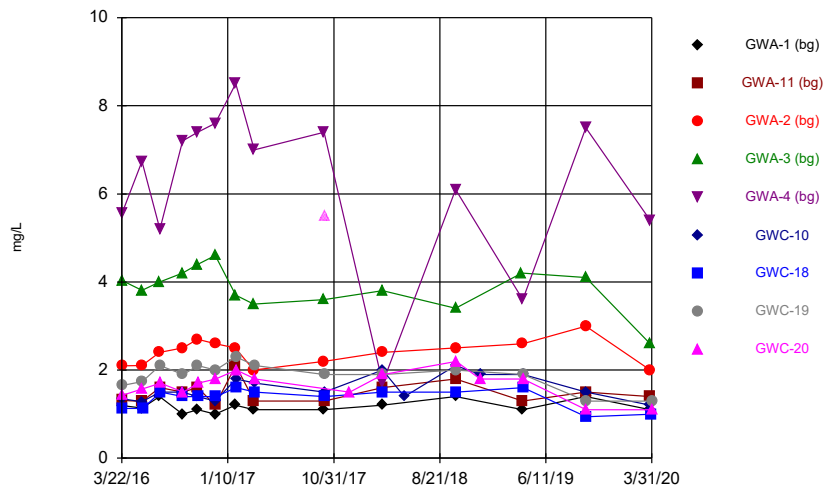
Constituent: Calcium Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



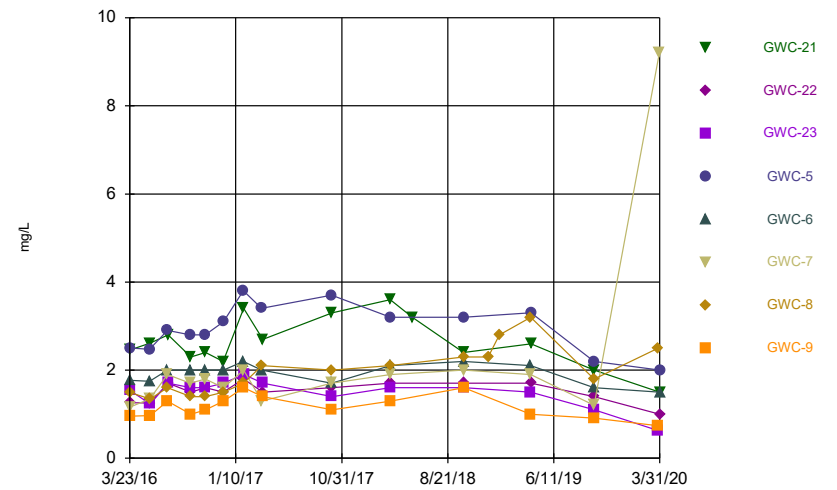
Constituent: Calcium Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



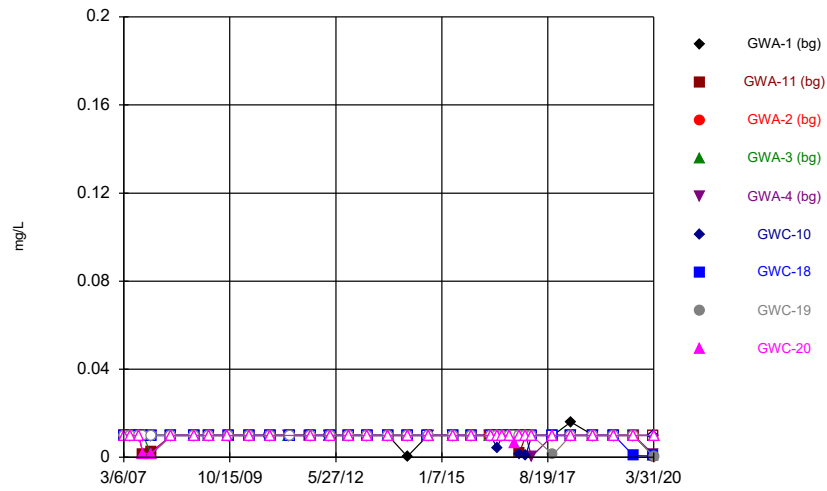
Constituent: Chloride Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



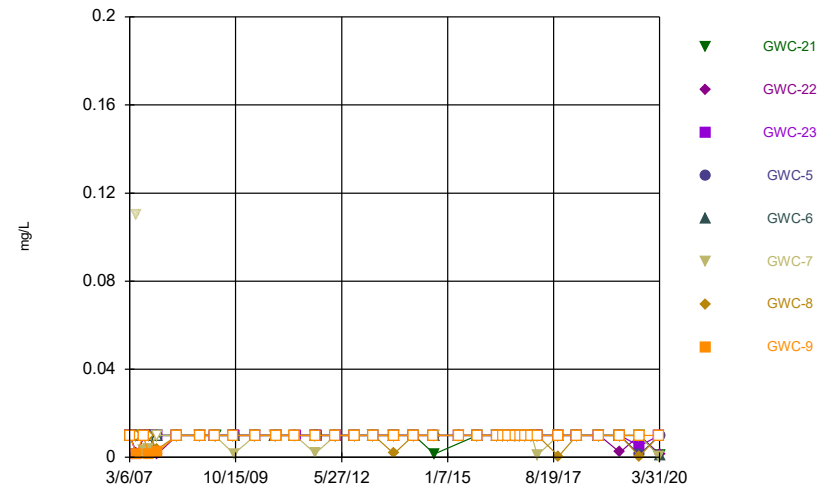
Constituent: Chloride Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



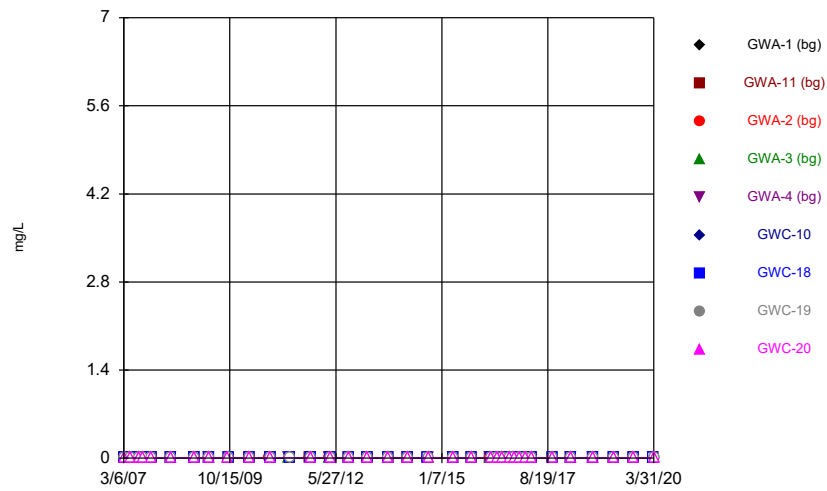
Constituent: Chromium Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



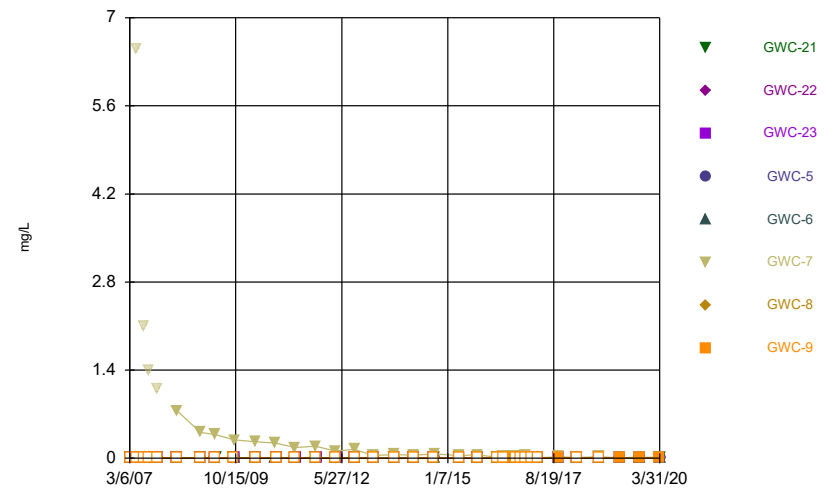
Constituent: Chromium Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



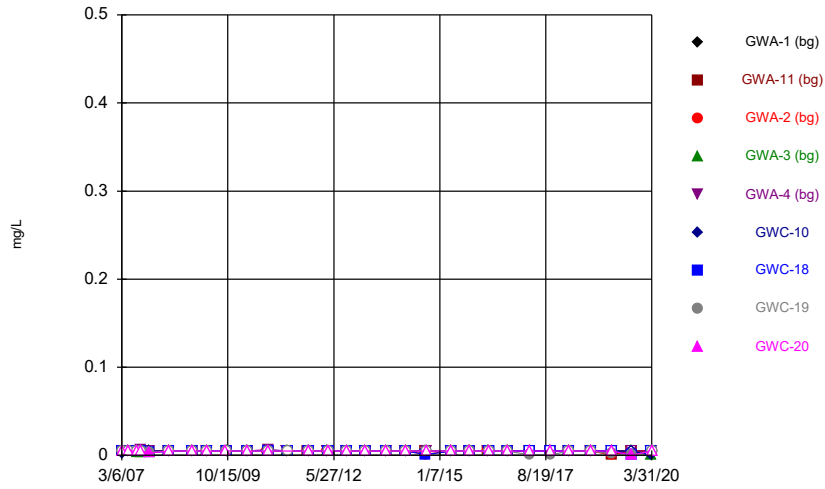
Constituent: Cobalt Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



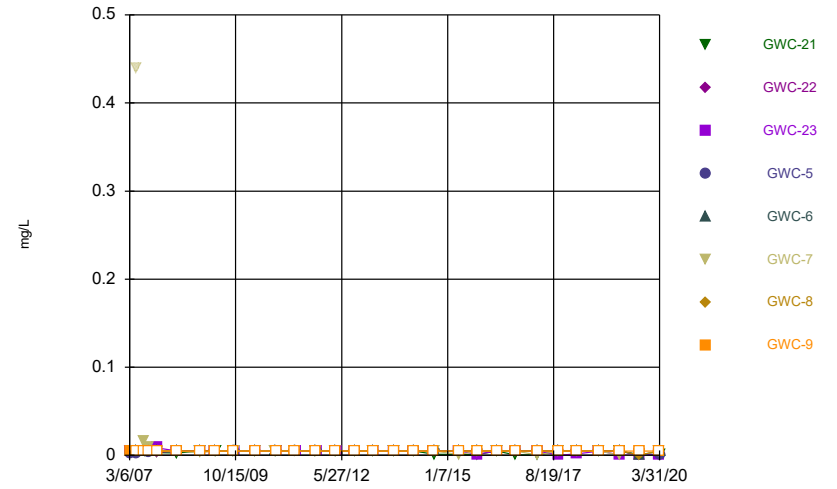
Constituent: Cobalt Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



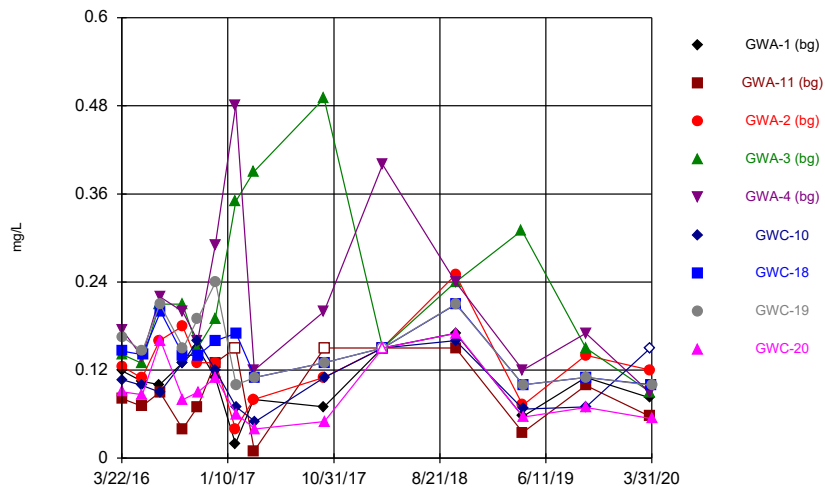
Constituent: Copper Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



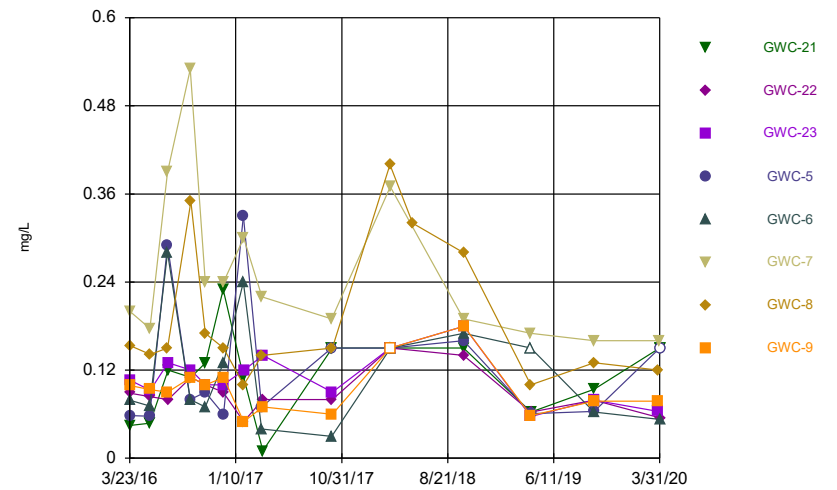
Constituent: Copper Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



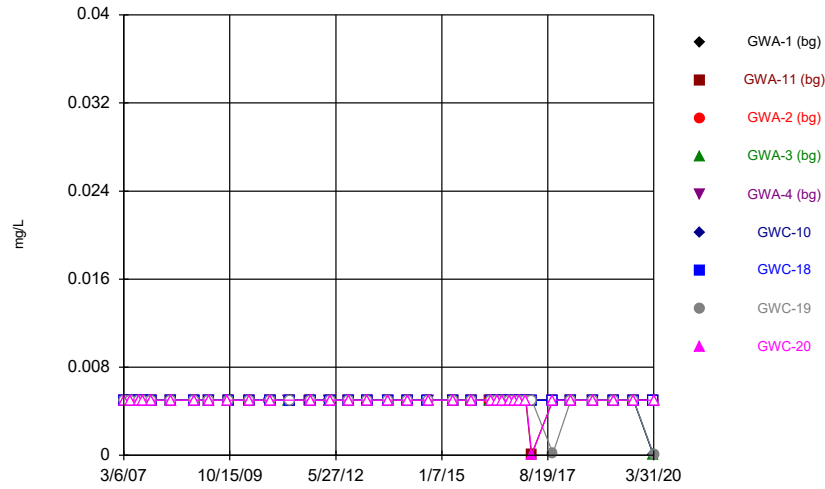
Constituent: Fluoride Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



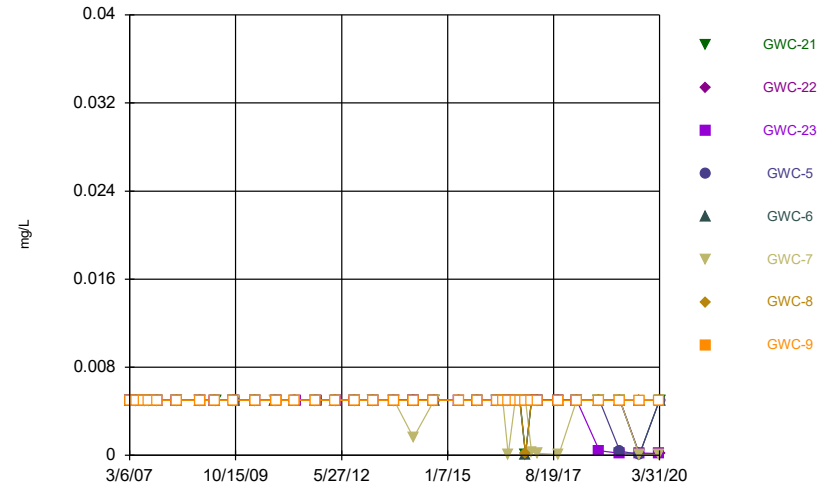
Constituent: Fluoride Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



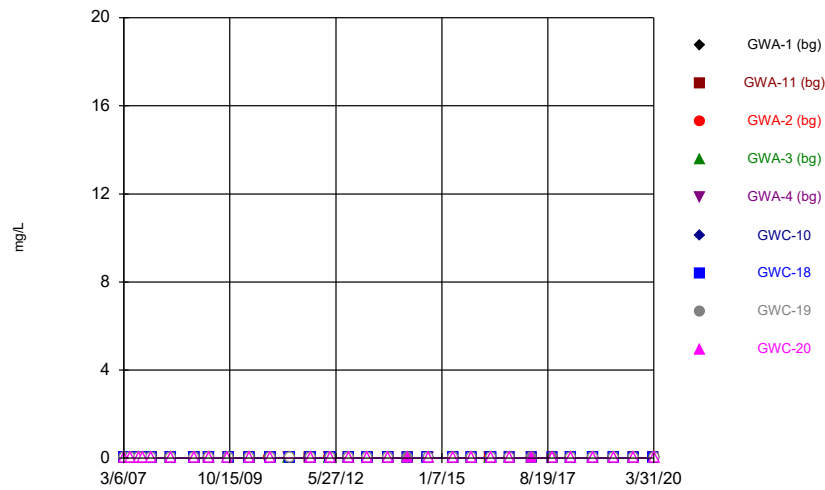
Constituent: Lead Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



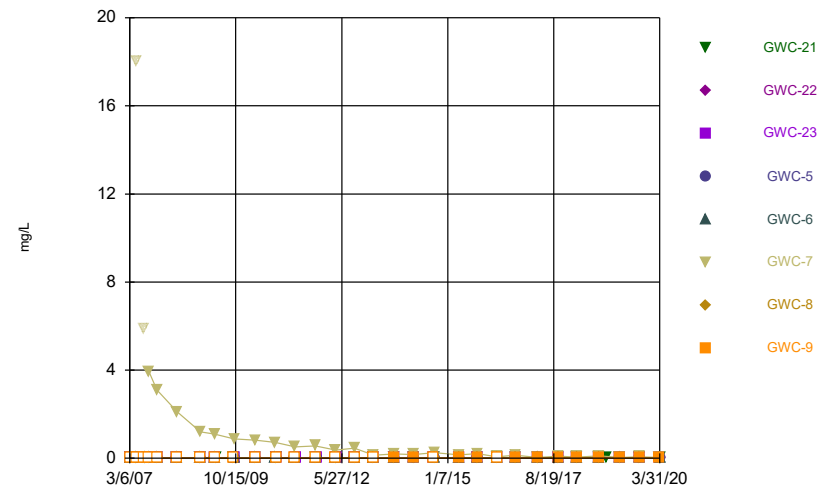
Constituent: Lead Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



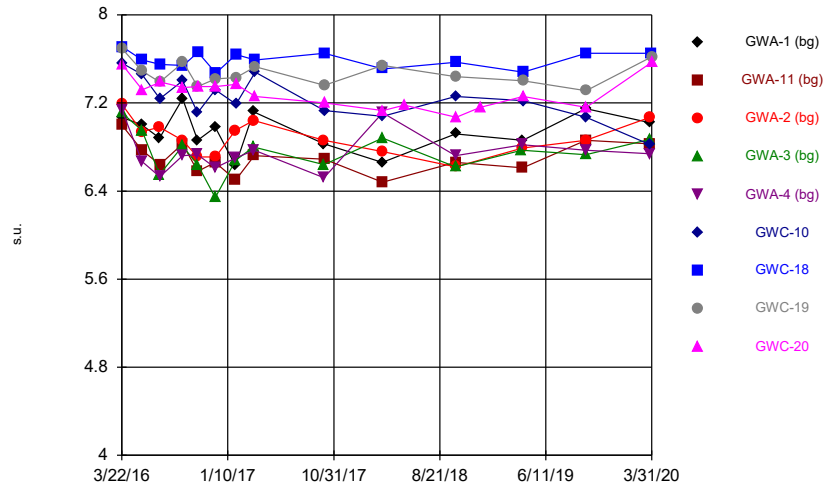
Constituent: Nickel Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



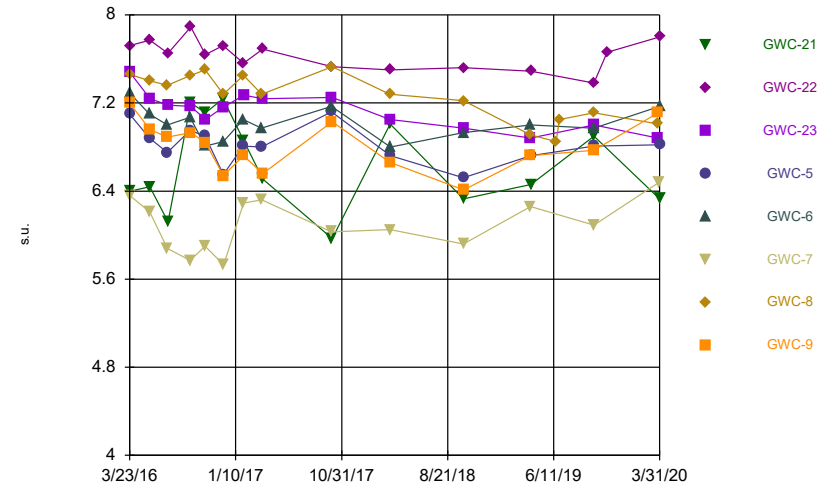
Constituent: Nickel Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



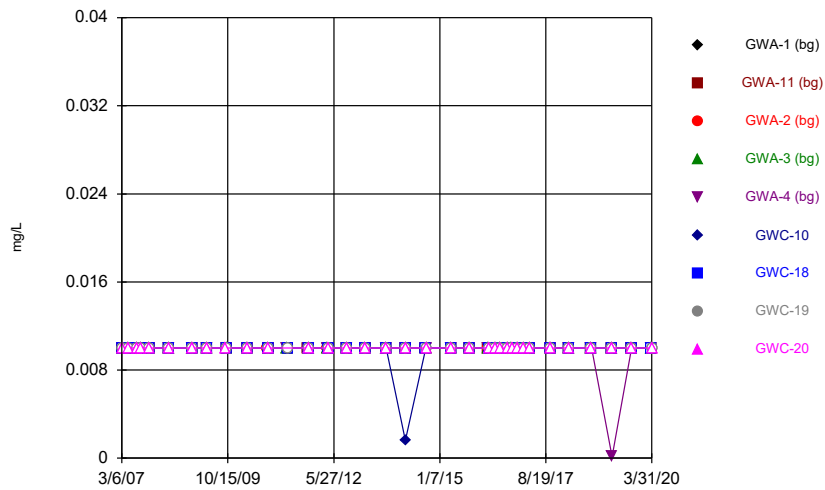
Constituent: pH Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



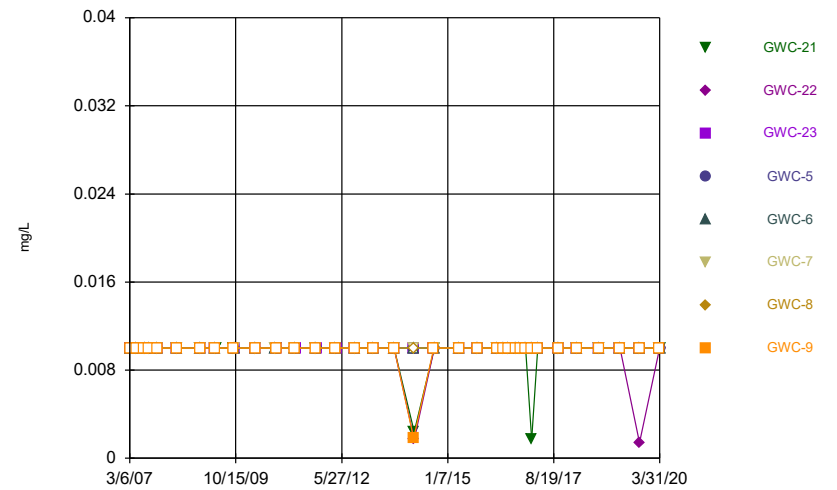
Constituent: pH Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



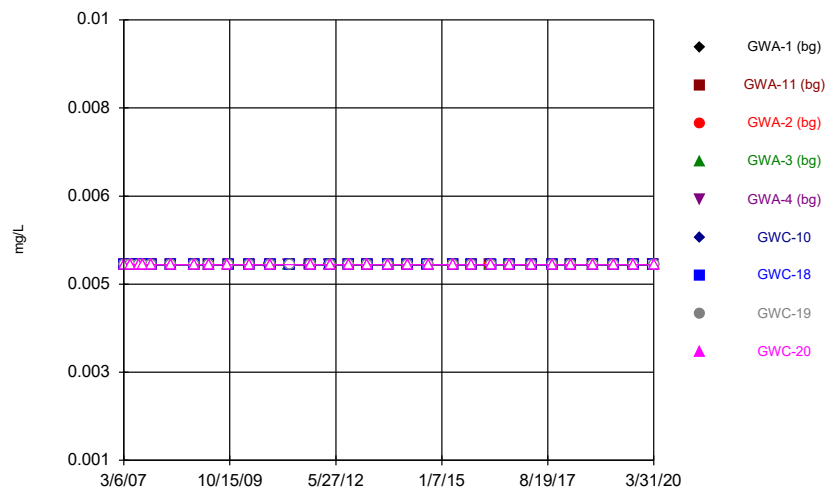
Constituent: Selenium Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



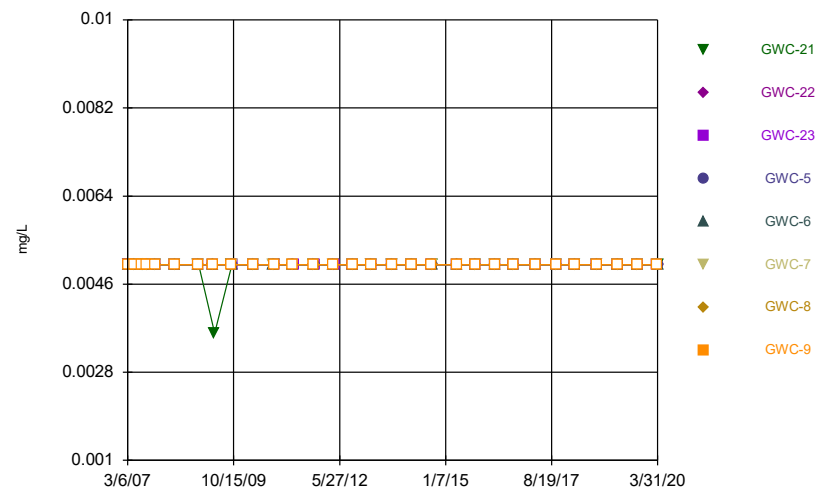
Constituent: Selenium Analysis Run 6/12/2020 2:46 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



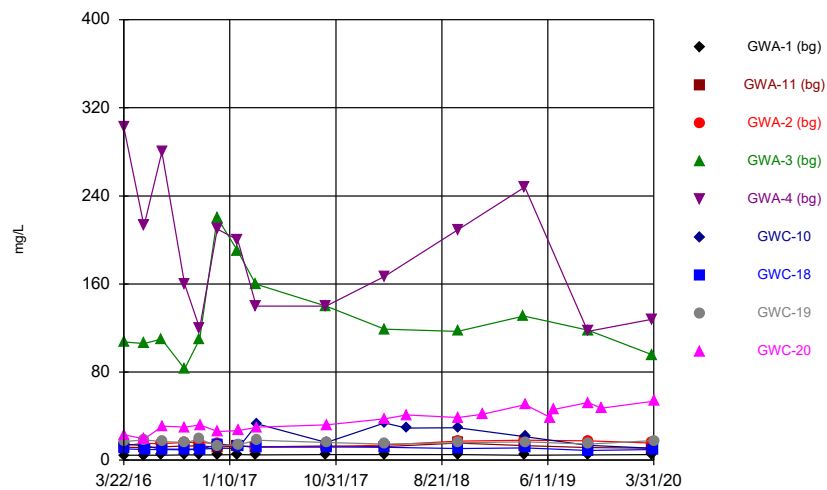
Constituent: Silver Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



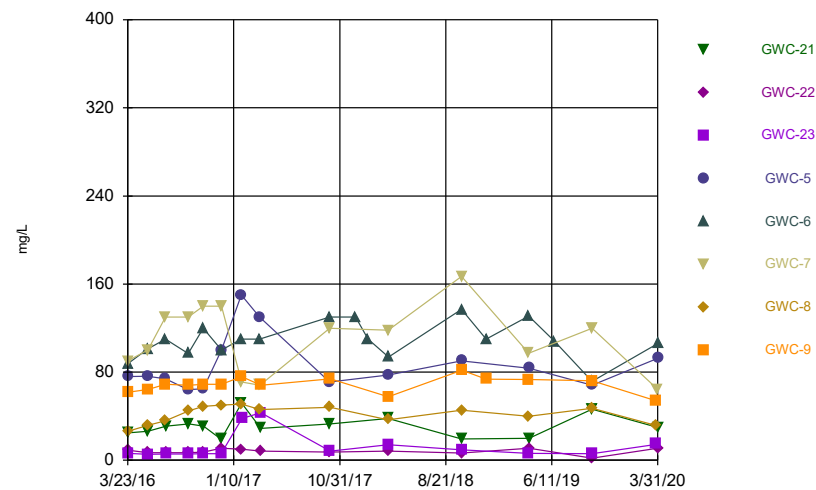
Constituent: Silver Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



Constituent: Sulfate Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

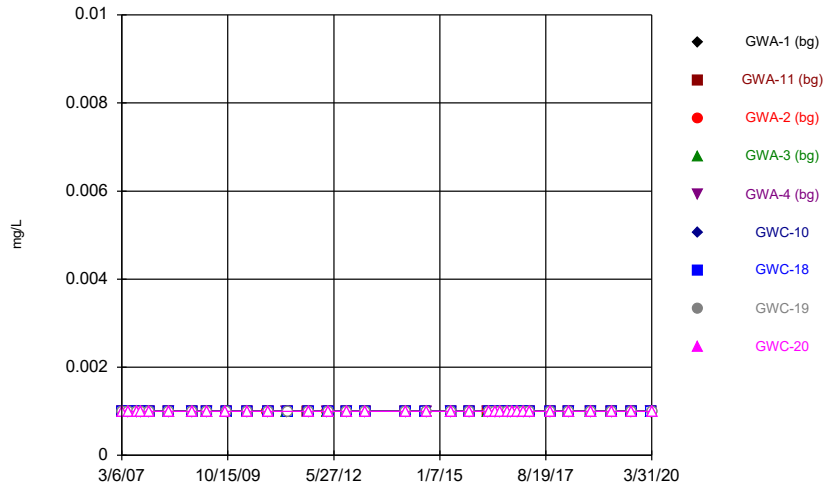
### Time Series



Constituent: Sulfate Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

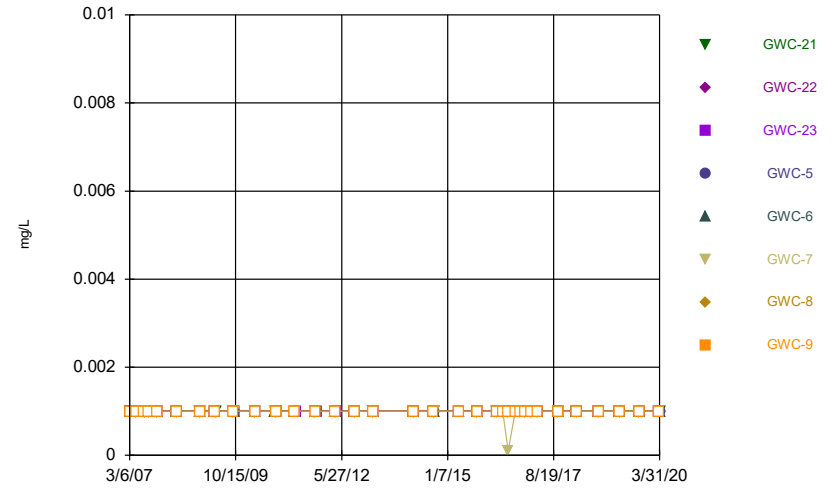


### Time Series



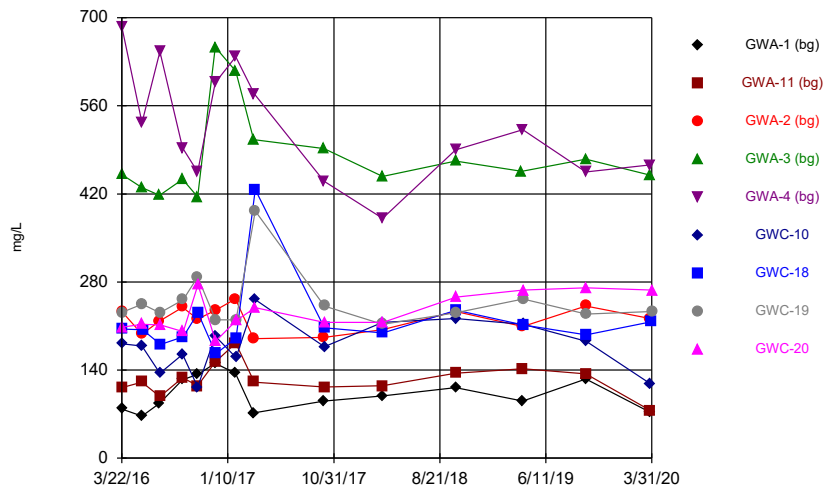
Constituent: Thallium Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



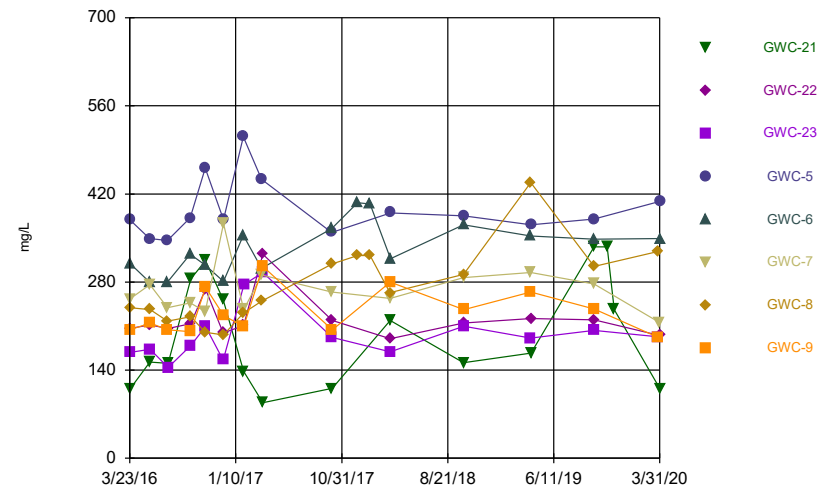
Constituent: Thallium Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



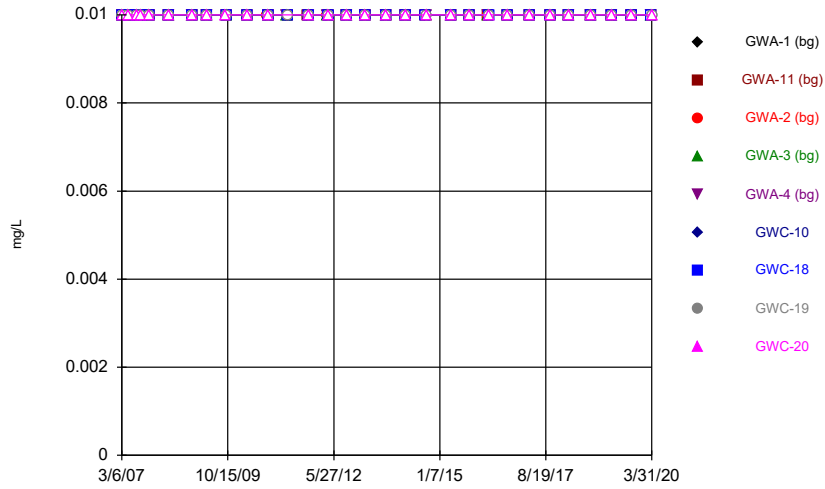
Constituent: Total Dissolved Solids Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



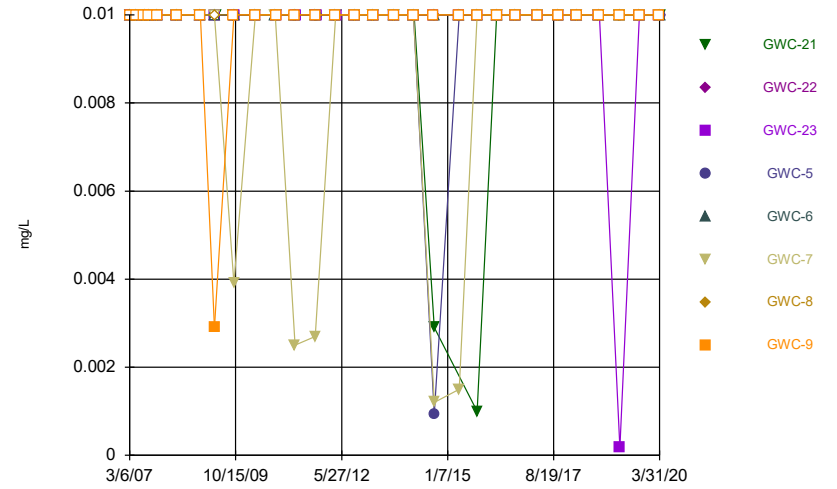
Constituent: Total Dissolved Solids Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



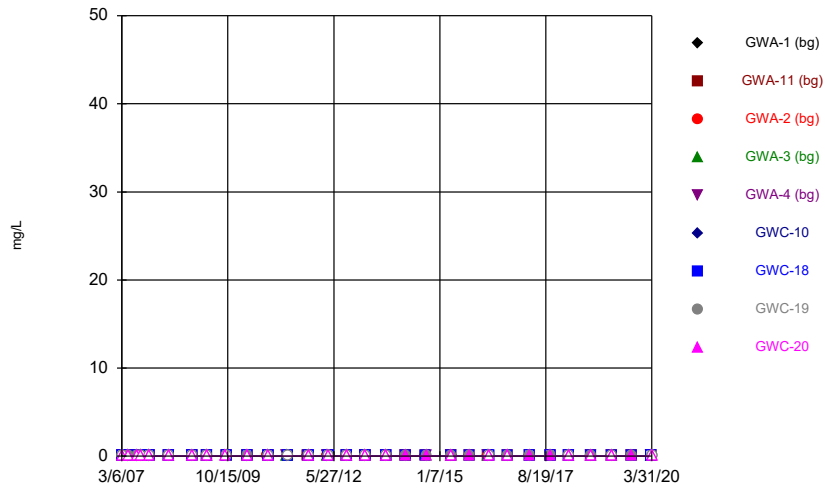
Constituent: Vanadium Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



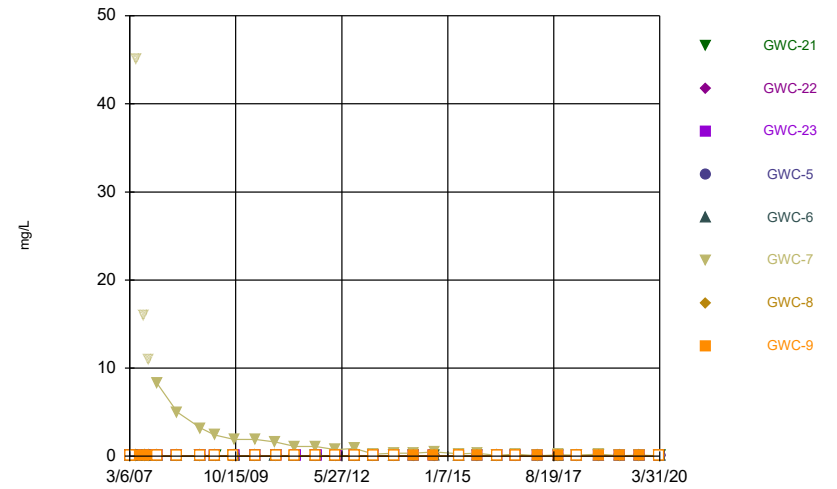
Constituent: Vanadium Analysis Run 6/12/2020 2:46 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



Constituent: Zinc Analysis Run 6/12/2020 2:47 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



Constituent: Zinc Analysis Run 6/12/2020 2:47 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Time Series

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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

# Time Series

Constituent: Antimony (mg/L) Analysis Run 6/12/2020 2:48 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: Antimony (mg/L) Analysis Run 6/12/2020 2:48 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				<0.003		<0.003		<0.003
4/22/2015					<0.003		<0.003	
4/23/2015		<0.003	<0.003					
9/29/2015				<0.003	<0.003	<0.003	<0.003	<0.003
9/30/2015	<0.003	<0.003	<0.003					
3/23/2016		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/24/2016	<0.003							
5/17/2016				<0.003	<0.003			
5/18/2016	<0.003	<0.003				<0.003	<0.003	<0.003
5/19/2016			<0.003					
7/6/2016				0.0004 (J)	0.0005 (J)	0.0013 (J)	0.0002 (J)	<0.003
7/7/2016	<0.003	<0.003	<0.003					
9/7/2016				<0.003	<0.003	<0.003		
9/8/2016	<0.003	<0.003	<0.003				<0.003	<0.003
10/18/2016				<0.003	<0.003	<0.003	<0.003	
10/19/2016	<0.003	<0.003	<0.003					<0.003
12/7/2016	<0.003	<0.003	<0.003					
12/8/2016				<0.003	<0.003	<0.003	<0.003	0.0012 (J)
2/1/2017				<0.003	<0.003			
2/2/2017	<0.003	<0.003				<0.003	<0.003	<0.003
2/3/2017			<0.003					
3/23/2017				<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		
10/5/2017	<0.003	<0.003	<0.003				<0.003	<0.003
3/14/2018							<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	
10/5/2018			<0.003					<0.003
4/8/2019			<0.003		<0.003	<0.003	<0.003	<0.003
4/9/2019	<0.003	<0.003		<0.003				
10/1/2019	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/26/2020			<0.003					
3/27/2020							<0.003	<0.003
3/30/2020						<0.003		
3/31/2020	<0.003	<0.003		<0.003	<0.003			

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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



# Time Series

Constituent: Arsenic (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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			

# Time Series

Constituent: Barium (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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

# Time Series

Constituent: Barium (mg/L) Analysis Run 6/12/2020 2:48 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
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 6/12/2020 2:48 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			

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 2:48 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	<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: Beryllium (mg/L) Analysis Run 6/12/2020 2:48 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		8E-05 (J)	<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		<0.003			<0.003	<0.003		<0.003	
7/7/2016							<0.003		<0.003
9/7/2016	<0.003	<0.003	<0.003	<0.003	<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	<0.003	<0.003	<0.003	<0.003	<0.003				
3/27/2020						<0.003			
3/30/2020							<0.003		
3/31/2020								<0.003	<0.003



# Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 2:48 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	0.28 (o)	<0.003	
7/6/2007				<0.003		0.093	<0.003	<0.003
7/17/2007	<0.003	<0.003	<0.003		<0.003			
8/28/2007				<0.003	<0.003	0.057	<0.003	<0.003
8/29/2007	<0.003	<0.003	<0.003					
11/6/2007				<0.003	<0.003	0.036	<0.003	<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	0.013	<0.003	<0.003
12/2/2008						0.01	<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						0.0076	<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	0.0057		
4/13/2010	<0.003	<0.003			<0.003	0.0061	<0.003	<0.003
4/14/2010			<0.003	<0.003				
10/6/2010					<0.003			
10/7/2010						0.0039		
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	0.0025	<0.003	<0.003
4/6/2011		<0.003	<0.003					
10/4/2011					<0.003	0.0024	<0.003	<0.003
10/5/2011	<0.003	<0.003						
10/12/2011			<0.003	<0.003				
4/3/2012					<0.003	0.0008	<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	0.002		
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	0.00037 (J)	<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	0.00055 (J)		
9/9/2014	<0.003	<0.003		<0.003			<0.003	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 6/12/2020 2:48 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				<0.003		0.00033 (J)		<0.003
4/22/2015					<0.003		<0.003	
4/23/2015		<0.003	<0.003					
9/29/2015				<0.003	<0.003	0.00046 (J)	<0.003	<0.003
9/30/2015	<0.003	<0.003	<0.003					
3/23/2016		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/24/2016	<0.003							
5/17/2016				<0.003	<0.003			
5/18/2016	<0.003	<0.003				<0.003	<0.003	<0.003
5/19/2016			<0.003					
7/6/2016				<0.003	<0.003	0.0002 (J)	<0.003	<0.003
7/7/2016	<0.003	<0.003	<0.003					
9/7/2016				<0.003	<0.003	0.0002 (J)		
9/8/2016	<0.003	<0.003	<0.003				<0.003	<0.003
10/18/2016				<0.003	<0.003	0.0002 (J)	<0.003	
10/19/2016	<0.003	<0.003	<0.003					<0.003
12/7/2016	<0.003	<0.003	<0.003					
12/8/2016				<0.003	<0.003	0.0003 (J)	<0.003	<0.003
2/1/2017				<0.003	<0.003			
2/2/2017	<0.003	<0.003				<0.003	<0.003	<0.003
2/3/2017			<0.003					
3/23/2017				<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	0.0001 (J)		
10/5/2017	<0.003	<0.003	<0.003				<0.003	<0.003
3/14/2018							<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	0.0002 (J)	<0.003	
10/5/2018			<0.003					<0.003
4/8/2019			<0.003		<0.003	5.8E-05 (J)	<0.003	<0.003
4/9/2019	<0.003	<0.003		<0.003				
10/1/2019	<0.003	<0.003	<0.003	<0.003	<0.003	0.0001 (J)	<0.003	<0.003
3/26/2020			<0.003					
3/27/2020							<0.003	<0.003
3/30/2020						<0.003		
3/31/2020	<0.003	<0.003		<0.003	<0.003			

# Time Series

Constituent: Boron (mg/L) Analysis Run 6/12/2020 2:48 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)

# Time Series

Constituent: Boron (mg/L) Analysis Run 6/12/2020 2:48 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)			

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 2:48 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	<0.0025		<0.0025	<0.0025	<0.0025			<0.0025	
3/7/2007		<0.0025				<0.0025	<0.0025		<0.0025
5/8/2007	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
5/9/2007							<0.0025	<0.0025	<0.0025
7/7/2007	<0.0025		<0.0025						
7/17/2007		<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/28/2007	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
8/29/2007									<0.0025
11/6/2007	<0.0025		<0.0025	<0.0025	<0.0025				
11/7/2007		<0.0025				<0.0025	<0.0025	<0.0025	<0.0025
5/7/2008							<0.0025	<0.0025	<0.0025
5/8/2008				<0.0025	<0.0025				
5/9/2008	<0.0025	<0.0025	<0.0025			<0.0025			
12/2/2008		<0.0025				<0.0025			
12/3/2008	<0.0025		<0.0025	<0.0025	<0.0025		<0.0025		
12/4/2008								<0.0025	
12/5/2008									<0.0025
4/7/2009	<0.0025		<0.0025	<0.0025	<0.0025				
4/8/2009		<0.0025				<0.0025			
4/14/2009							<0.0025	<0.0025	<0.0025
9/30/2009									<0.0025
10/1/2009	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025		
10/2/2009				<0.0025	<0.0025			<0.0025	
4/13/2010			<0.0025				<0.0025	<0.0025	<0.0025
4/14/2010	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
10/7/2010			<0.0025						
10/12/2010							<0.0025	<0.0025	<0.0025
10/13/2010	<0.0025	<0.0025				<0.0025			
10/14/2010				<0.0025	<0.0025				
4/5/2011				<0.0025	<0.0025				
4/6/2011	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	
10/4/2011		<0.0025				<0.0025			
10/6/2011			<0.0025						
10/10/2011	<0.0025								
10/12/2011				<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
4/3/2012	<0.0025		<0.0025						
4/4/2012				<0.0025	<0.0025				
4/5/2012							<0.0025	<0.0025	
4/9/2012									<0.0025
4/10/2012		<0.0025				<0.0025			
9/19/2012			<0.0025				<0.0025		
9/24/2012	<0.0025				<0.0025				
9/25/2012								<0.0025	<0.0025
9/26/2012		<0.0025		<0.0025		<0.0025			
3/12/2013	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2013							<0.0025	<0.0025	<0.0025
9/9/2013			<0.0025						
9/10/2013		<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		
9/11/2013	<0.0025							<0.0025	<0.0025
3/4/2014	<0.0025	<0.0025	<0.0025			<0.0025			
3/10/2014							<0.0025	<0.0025	<0.0025
3/11/2014				<0.0025	<0.0025				

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 2:48 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	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025		
9/8/2014				<0.0025	<0.0025				
9/9/2014								<0.0025	<0.0025
4/21/2015	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
4/22/2015			<0.0025				<0.0025	<0.0025	
4/23/2015									<0.0025
9/29/2015		<0.0025		<0.0025	<0.0025				
9/30/2015	<0.0025		<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
3/22/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
3/23/2016						<0.0025			<0.0025
3/24/2016							<0.0025	<0.0025	
5/17/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
5/18/2016							<0.0025	<0.0025	<0.0025
7/5/2016	<0.0025		<0.0025	<0.0025					
7/6/2016		<0.0025			<0.0025	<0.0025		<0.0025	
7/7/2016							<0.0025		<0.0025
9/7/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/8/2016							<0.0025	<0.0025	<0.0025
10/18/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
10/19/2016							<0.0025		<0.0025
12/6/2016	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
12/7/2016			<0.0025					<0.0025	<0.0025
12/8/2016							<0.0025		
1/31/2017	<0.0025		<0.0025						
2/1/2017		<0.0025		<0.0025	0.0001 (J)				
2/2/2017						9E-05 (J)	8E-05 (J)	<0.0025	
2/3/2017									<0.0025
3/23/2017	<0.0025		<0.0025	<0.0025					
3/24/2017		<0.0025			<0.0025				
3/27/2017						<0.0025	<0.0025	<0.0025	<0.0025
10/4/2017	<0.0025		<0.0025	<0.0025	<0.0025				
10/5/2017		<0.0025				<0.0025	<0.0025	<0.0025	<0.0025
3/14/2018	<0.0025		<0.0025						
3/15/2018		<0.0025		<0.0025	<0.0025	<0.0025		<0.0025	
3/16/2018							<0.0025		<0.0025
10/4/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
10/5/2018							<0.0025		0.00011 (J)
4/5/2019				<0.0025					
4/8/2019	<0.0025	<0.0025	<0.0025		<0.0025				
4/9/2019						<0.0025	<0.0025	<0.0025	<0.0025
9/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
10/1/2019						<0.0025	<0.0025	<0.0025	<0.0025
3/26/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
3/27/2020						<0.0025			
3/30/2020							<0.0025		
3/31/2020								<0.0025	<0.0025

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 2:48 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	<0.0025	<0.0025	<0.0025					
3/7/2007				0.0015	<0.0025			<0.0025
5/8/2007				<0.0025				<0.0025
5/9/2007	<0.0025	<0.0025	<0.0025		<0.0025	0.023 (o)	<0.0025	
7/6/2007				<0.0025		0.0081	<0.0025	<0.0025
7/17/2007	<0.0025	<0.0025	<0.0025		<0.0025			
8/28/2007				<0.0025	<0.0025	0.0035	<0.0025	<0.0025
8/29/2007	<0.0025	<0.0025	<0.0025					
11/6/2007				<0.0025	<0.0025	0.0028	<0.0025	<0.0025
11/7/2007	<0.0025	<0.0025	<0.0025					
5/7/2008	<0.0025	<0.0025	<0.0025					
5/8/2008				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
12/2/2008						<0.0025	<0.0025	<0.0025
12/3/2008				<0.0025	<0.0025			
12/5/2008	<0.0025	<0.0025	<0.0025					
4/7/2009				<0.0025	<0.0025			
4/8/2009						0.0013	<0.0025	<0.0025
4/14/2009		<0.0025	<0.0025					
4/27/2009	<0.0025							
9/30/2009	<0.0025	<0.0025					<0.0025	<0.0025
10/1/2009			<0.0025	<0.0025	<0.0025	<0.0025		
4/13/2010	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
4/14/2010			<0.0025	<0.0025				
10/6/2010					<0.0025			
10/7/2010						<0.0025		
10/12/2010	<0.0025	<0.0025						
10/13/2010			<0.0025				<0.0025	<0.0025
10/14/2010				<0.0025				
4/5/2011				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/6/2011		<0.0025	<0.0025					
10/4/2011					<0.0025	<0.0025	<0.0025	<0.0025
10/5/2011	<0.0025	<0.0025						
10/12/2011			<0.0025	<0.0025				
4/3/2012					<0.0025	<0.0025	<0.0025	
4/4/2012				<0.0025				<0.0025
4/9/2012		<0.0025	<0.0025					
4/10/2012	<0.0025							
9/18/2012					<0.0025	<0.0025		
9/19/2012			<0.0025				<0.0025	<0.0025
9/24/2012				<0.0025				
9/25/2012		<0.0025						
9/26/2012	<0.0025							
3/12/2013				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/13/2013	<0.0025	<0.0025	<0.0025					
9/9/2013					<0.0025			
9/10/2013			<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
9/11/2013	<0.0025	<0.0025						
3/5/2014				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/11/2014	<0.0025	<0.0025	<0.0025					
9/3/2014			<0.0025					<0.0025
9/8/2014					<0.0025	<0.0025		
9/9/2014	<0.0025	<0.0025		<0.0025			<0.0025	

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 6/12/2020 2:48 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				<0.0025		0.0015		0.00029 (J)
4/22/2015					<0.0025		<0.0025	
4/23/2015		<0.0025	<0.0025					
9/29/2015				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/30/2015	<0.0025	<0.0025	<0.0025					
3/23/2016		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/24/2016	<0.0025							
5/17/2016				<0.0025	<0.0025			
5/18/2016	<0.0025	<0.0025				<0.0025	<0.0025	<0.0025
5/19/2016			<0.0025					
7/6/2016				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/7/2016	0.0001 (J)	<0.0025	<0.0025					
9/7/2016				<0.0025	<0.0025	<0.0025		
9/8/2016	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
10/18/2016				<0.0025	<0.0025	<0.0025	<0.0025	
10/19/2016	<0.0025	<0.0025	<0.0025					<0.0025
12/7/2016	<0.0025	<0.0025	<0.0025					
12/8/2016				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/1/2017				<0.0025	<0.0025			
2/2/2017	0.0001 (J)	<0.0025				0.0001 (J)	8E-05 (J)	8E-05 (J)
2/3/2017			8E-05 (J)					
3/23/2017				<0.0025	<0.0025			
3/24/2017						<0.0025	<0.0025	
3/27/2017	<0.0025	<0.0025	<0.0025					<0.0025
10/4/2017				<0.0025	<0.0025	<0.0025		
10/5/2017	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
3/14/2018							<0.0025	
3/15/2018	<0.0025	<0.0025	<0.0025			<0.0025		<0.0025
3/16/2018				<0.0025	<0.0025			
10/4/2018	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	
10/5/2018			<0.0025					<0.0025
4/8/2019			<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
4/9/2019	<0.0025	<0.0025		<0.0025				
10/1/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2020			<0.0025					
3/27/2020							<0.0025	<0.0025
3/30/2020						<0.0025		
3/31/2020	<0.0025	<0.0025		<0.0025	<0.0025			



# Time Series

Constituent: Calcium (mg/L) Analysis Run 6/12/2020 2:48 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

# Time Series

Constituent: Calcium (mg/L) Analysis Run 6/12/2020 2:48 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			

# Time Series

Constituent: Chloride (mg/L) Analysis Run 6/12/2020 2:48 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

# Time Series

Constituent: Chloride (mg/L) Analysis Run 6/12/2020 2:48 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			

# Time Series

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 2:48 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	0.0013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
8/29/2007									0.0016
11/6/2007	<0.01		<0.01	0.0014	<0.01				
11/7/2007		0.0024				<0.01	<0.01	<0.01	0.0016
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	0.00032 (J)	<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: Chromium (mg/L) Analysis Run 6/12/2020 2:48 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	
5/17/2016	<0.01	<0.01	<0.01	<0.01	<0.01	0.00424 (J)			
5/18/2016							<0.01	<0.01	<0.01
7/5/2016	<0.01		<0.01	<0.01					
7/6/2016		<0.01			<0.01	<0.01		<0.01	
7/7/2016							<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
10/18/2016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
10/19/2016							<0.01		0.0064 (J)
12/6/2016	<0.01	0.0018 (J)		<0.01	<0.01	0.0013 (J)			
12/7/2016			<0.01					<0.01	<0.01
12/8/2016							<0.01		
1/31/2017	<0.01		<0.01						
2/1/2017		<0.01		<0.01	<0.01				
2/2/2017						0.001 (J)	<0.01	<0.01	
2/3/2017									<0.01
3/23/2017	<0.01		<0.01	<0.01					
3/24/2017		<0.01			0.0004 (J)				
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	0.0012 (J)	<0.01
3/14/2018	0.016		<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	0.00086 (J)	<0.01	<0.01
3/26/2020	<0.01	<0.01	0.00043 (J)	0.00062 (J)	0.0013 (J)				
3/27/2020						<0.01			
3/30/2020							0.00071 (J)		
3/31/2020								0.00042 (J)	<0.01

# Time Series

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 2:48 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				0.0013
5/9/2007	<0.01	0.002	0.0013		<0.01	0.11 (o)	<0.01	
7/6/2007				<0.01		0.0029	<0.01	<0.01
7/17/2007	<0.01	<0.01	<0.01		<0.01			
8/28/2007				<0.01	<0.01	0.0038	<0.01	0.0014
8/29/2007	<0.01	<0.01	<0.01					
11/6/2007				<0.01	<0.01	<0.01	0.0035	0.0024
11/7/2007	<0.01	0.0013	<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	<0.01
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	0.0016		
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	<0.01	<0.01	<0.01
4/6/2011		<0.01	<0.01					
10/4/2011					<0.01	0.0018	<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	0.0017	<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	<0.01		
9/9/2014	0.0015	<0.01		<0.01			<0.01	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 6/12/2020 2:48 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				<0.01		<0.01		<0.01
4/22/2015					<0.01		<0.01	
4/23/2015		<0.01	<0.01					
9/29/2015				<0.01	<0.01	<0.01	<0.01	<0.01
9/30/2015	<0.01	<0.01	<0.01					
3/23/2016		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/24/2016	<0.01							
5/17/2016				<0.01	<0.01			
5/18/2016	<0.01	<0.01				<0.01	<0.01	<0.01
5/19/2016			<0.01					
7/6/2016				<0.01	<0.01	<0.01	<0.01	<0.01
7/7/2016	<0.01	<0.01	<0.01					
9/7/2016				<0.01	<0.01	<0.01		
9/8/2016	<0.01	<0.01	<0.01				<0.01	<0.01
10/18/2016				<0.01	<0.01	<0.01	<0.01	
10/19/2016	<0.01	<0.01	<0.01					<0.01
12/7/2016	<0.01	<0.01	<0.01					
12/8/2016				<0.01	<0.01	<0.01	<0.01	<0.01
2/1/2017				<0.01	<0.01			
2/2/2017	<0.01	<0.01				<0.01	<0.01	<0.01
2/3/2017			<0.01					
3/23/2017				<0.01	<0.01			
3/24/2017						0.0011 (J)	<0.01	
3/27/2017	<0.01	<0.01	<0.01					<0.01
10/4/2017				<0.01	<0.01	<0.01		
10/5/2017	<0.01	<0.01	<0.01				0.0005 (J)	<0.01
3/14/2018							<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	
10/5/2018			<0.01					<0.01
4/8/2019			<0.01		<0.01	<0.01	<0.01	<0.01
4/9/2019	<0.01	0.0023 (J)		<0.01				
10/1/2019	<0.01	<0.01	0.0051 (J)	0.0012 (J)	<0.01	<0.01	0.0005 (J)	<0.01
3/26/2020			<0.01					
3/27/2020							<0.01	<0.01
3/30/2020						0.00041 (J)		
3/31/2020	0.00093 (J)	0.0015 (J)		<0.01	0.00085 (J)			



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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			

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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

# Time Series

Constituent: Copper (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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			



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/12/2020 2:48 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)

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 6/12/2020 2:48 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)			

# Time Series

Constituent: Lead (mg/L) Analysis Run 6/12/2020 2:48 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: Lead (mg/L) Analysis Run 6/12/2020 2:48 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		7E-05 (J)			<0.005				
3/27/2017						<0.005	<0.005	<0.005	7E-05 (J)
10/4/2017	<0.005		<0.005	<0.005	<0.005				
10/5/2017		<0.005				<0.005	<0.005	0.0002 (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	<0.005	<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	4.7E-05 (J)	<0.005				
3/27/2020						5.4E-05 (J)			
3/30/2020							<0.005		
3/31/2020								6.1E-05 (J)	<0.005

# Time Series

Constituent: Lead (mg/L) Analysis Run 6/12/2020 2:48 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	0.0016 (J)	<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: Lead (mg/L) Analysis Run 6/12/2020 2:48 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		<0.005		<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	<0.005	<0.005	<0.005					
3/23/2016		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/24/2016	<0.005							
5/17/2016				<0.005	<0.005			
5/18/2016	<0.005	<0.005				<0.005	<0.005	<0.005
5/19/2016			<0.005					
7/6/2016				<0.005	<0.005	0.0001 (J)	<0.005	<0.005
7/7/2016	<0.005	<0.005	<0.005					
9/7/2016				<0.005	<0.005	<0.005		
9/8/2016	<0.005	<0.005	<0.005				<0.005	<0.005
10/18/2016				<0.005	<0.005	<0.005	<0.005	
10/19/2016	<0.005	<0.005	<0.005					<0.005
12/7/2016	0.0001 (J)	<0.005	<0.005					
12/8/2016				<0.005	0.0001 (J)	<0.005	0.0002 (J)	<0.005
2/1/2017				<0.005	<0.005			
2/2/2017	<0.005	<0.005				0.0003 (J)	<0.005	<0.005
2/3/2017			<0.005					
3/23/2017				<0.005	<0.005			
3/24/2017						0.0002 (J)	<0.005	
3/27/2017	<0.005	<0.005	<0.005					<0.005
10/4/2017				<0.005	<0.005	7E-05 (J)		
10/5/2017	<0.005	<0.005	<0.005				<0.005	<0.005
3/14/2018							<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	
10/5/2018			0.00042 (J)					<0.005
4/8/2019			0.00018 (J)		<0.005	<0.005	<0.005	<0.005
4/9/2019	<0.005	<0.005		0.00039 (J)				
10/1/2019	7.5E-05 (J)	0.00012 (J)	0.00022 (J)	6.5E-05 (J)	<0.005	5E-05 (J)	<0.005	<0.005
3/26/2020			0.00016 (J)					
3/27/2020							<0.005	<0.005
3/30/2020						4.8E-05 (J)		
3/31/2020	<0.005	0.00013 (J)		<0.005	<0.005			

# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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



# Time Series

Constituent: Nickel (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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			

# Time Series

Constituent: pH (s.u.) Analysis Run 6/12/2020 2:48 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

# Time Series

Constituent: pH (s.u.) Analysis Run 6/12/2020 2:48 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			

# Time Series

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 2:48 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			0.0016 (J)			
3/10/2014							<0.01	<0.01	<0.01
3/11/2014				<0.01	<0.01				

# Time Series

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 2:48 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	
5/17/2016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
5/18/2016							<0.01	<0.01	<0.01
7/5/2016	<0.01		<0.01	<0.01					
7/6/2016		<0.01			<0.01	<0.01		<0.01	
7/7/2016							<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
10/18/2016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
10/19/2016							<0.01		<0.01
12/6/2016	<0.01	<0.01		<0.01	<0.01	<0.01			
12/7/2016			<0.01					<0.01	<0.01
12/8/2016							<0.01		
1/31/2017	<0.01		<0.01						
2/1/2017		<0.01		<0.01	<0.01				
2/2/2017						<0.01	<0.01	<0.01	
2/3/2017									<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		0.00014 (J)				
4/9/2019						<0.01	<0.01	<0.01	<0.01
9/30/2019	<0.01	<0.01	<0.01	<0.01	<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

# Time Series

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 2:48 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	<0.01
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	<0.01		
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	<0.01	<0.01	<0.01
4/6/2011		<0.01	<0.01					
10/4/2011					<0.01	<0.01	<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	0.0018 (J)
3/11/2014	0.0024 (J)	0.0017 (J)	<0.01					
9/3/2014			<0.01					<0.01
9/8/2014					<0.01	<0.01		
9/9/2014	<0.01	<0.01		<0.01			<0.01	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 6/12/2020 2:48 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				<0.01		<0.01		<0.01
4/22/2015					<0.01		<0.01	
4/23/2015		<0.01	<0.01					
9/29/2015				<0.01	<0.01	<0.01	<0.01	<0.01
9/30/2015	<0.01	<0.01	<0.01					
3/23/2016		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/24/2016	<0.01							
5/17/2016				<0.01	<0.01			
5/18/2016	<0.01	<0.01				<0.01	<0.01	<0.01
5/19/2016			<0.01					
7/6/2016				<0.01	<0.01	<0.01	<0.01	<0.01
7/7/2016	<0.01	<0.01	<0.01					
9/7/2016				<0.01	<0.01	<0.01		
9/8/2016	<0.01	<0.01	<0.01				<0.01	<0.01
10/18/2016				<0.01	<0.01	<0.01	<0.01	
10/19/2016	<0.01	<0.01	<0.01					<0.01
12/7/2016	<0.01	<0.01	<0.01					
12/8/2016				<0.01	<0.01	<0.01	<0.01	<0.01
2/1/2017				<0.01	<0.01			
2/2/2017	0.0017 (J)	<0.01				<0.01	<0.01	<0.01
2/3/2017			<0.01					
3/23/2017				<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		
10/5/2017	<0.01	<0.01	<0.01				<0.01	<0.01
3/14/2018							<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	
10/5/2018			<0.01					<0.01
4/8/2019			<0.01		<0.01	<0.01	<0.01	<0.01
4/9/2019	<0.01	<0.01		<0.01				
10/1/2019	<0.01	0.0014 (J)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/26/2020			<0.01					
3/27/2020							<0.01	<0.01
3/30/2020						<0.01		
3/31/2020	<0.01	<0.01		<0.01	<0.01			



# Time Series

Constituent: Silver (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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

# Time Series

Constituent: Silver (mg/L) Analysis Run 6/12/2020 2:48 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: Silver (mg/L) Analysis Run 6/12/2020 2:48 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		<0.005		<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	<0.005	<0.005	<0.005					
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	<0.005	<0.005	<0.005				<0.005	<0.005
3/23/2017				<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		
10/5/2017	<0.005	<0.005	<0.005				<0.005	<0.005
3/14/2018							<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	
10/5/2018			<0.005					<0.005
4/8/2019			<0.005		<0.005	<0.005	<0.005	<0.005
4/9/2019	<0.005	<0.005		<0.005				
10/1/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/26/2020			<0.005					
3/27/2020							<0.005	<0.005
3/30/2020						<0.005		
3/31/2020	<0.005	<0.005		<0.005	<0.005			

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 2:48 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

# Time Series

Constituent: Sulfate (mg/L) Analysis Run 6/12/2020 2:48 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			

# Time Series

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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



# Time Series

Constituent: Thallium (mg/L) Analysis Run 6/12/2020 2:48 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: Thallium (mg/L) Analysis Run 6/12/2020 2:48 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		<0.001	<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	<0.001	<0.001	<0.001					
12/8/2016				<0.001	<0.001	<0.001	<0.001	<0.001
2/1/2017				<0.001	<0.001			
2/2/2017	<0.001	<0.001				<0.001	<0.001	<0.001
2/3/2017			<0.001					
3/23/2017				<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		
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			<0.001					<0.001
4/8/2019			<0.001		<0.001	<0.001	<0.001	<0.001
4/9/2019	<0.001	<0.001		<0.001				
10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2020			<0.001					
3/27/2020							<0.001	<0.001
3/30/2020						<0.001		
3/31/2020	<0.001	<0.001		<0.001	<0.001			

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/12/2020 2:48 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

# Time Series

Constituent: Total Dissolved Solids (mg/L) Analysis Run 6/12/2020 2:48 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			

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 2:48 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 6/12/2020 2:48 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

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 6/12/2020 2:48 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: Vanadium (mg/L) Analysis Run 6/12/2020 2:48 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				<0.01		0.0015 (J)		<0.01
4/22/2015					<0.01		<0.01	
4/23/2015		<0.01	<0.01					
9/29/2015				<0.01	<0.01	<0.01	<0.01	<0.01
9/30/2015	0.001 (J)	<0.01	<0.01					
3/23/2016		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/24/2016	<0.01							
9/7/2016				<0.01	<0.01	<0.01		
9/8/2016	<0.01	<0.01	<0.01				<0.01	<0.01
3/23/2017				<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		
10/5/2017	<0.01	<0.01	<0.01				<0.01	<0.01
3/14/2018							<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	
10/5/2018			<0.01					<0.01
4/8/2019			0.00017 (J)		<0.01	<0.01	<0.01	<0.01
4/9/2019	<0.01	<0.01		<0.01				
10/1/2019	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/26/2020			<0.01					
3/27/2020							<0.01	<0.01
3/30/2020						<0.01		
3/31/2020	<0.01	<0.01		<0.01	<0.01			



# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 2:48 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	<0.02		<0.02	<0.02	<0.02			<0.02	
3/7/2007		<0.02				<0.02	<0.02		<0.02
5/8/2007	<0.02	0.0025	<0.02	<0.02	<0.02	<0.02			
5/9/2007							0.0026	0.0025	<0.02
7/7/2007	<0.02		<0.02						
7/17/2007		0.0047		0.0033	<0.02	0.0069	0.0043	0.0035	<0.02
8/28/2007	<0.02	0.0033	0.0026	<0.02	0.0026	<0.02	<0.02	<0.02	
8/29/2007									<0.02
11/6/2007	<0.02		<0.02	<0.02	<0.02				
11/7/2007		<0.02				<0.02	<0.02	<0.02	<0.02
5/7/2008							<0.02	<0.02	<0.02
5/8/2008				0.0033	0.0037				
5/9/2008	<0.02	<0.02	<0.02			<0.02			
12/2/2008		<0.02				<0.02			
12/3/2008	<0.02		<0.02	0.0054	0.003		<0.02		
12/4/2008								<0.02	
12/5/2008									<0.02
4/7/2009	0.0028		<0.02	<0.02	0.0045				
4/8/2009		<0.02				<0.02			
4/14/2009							<0.02	<0.02	<0.02
9/30/2009									<0.02
10/1/2009	<0.02	<0.02	<0.02			<0.02	<0.02		
10/2/2009				<0.02	0.0027			<0.02	
4/13/2010			<0.02				<0.02	0.0043	<0.02
4/14/2010	<0.02	<0.02		0.003	<0.02	<0.02			
10/7/2010			<0.02						
10/12/2010							<0.02	<0.02	<0.02
10/13/2010	<0.02	<0.02				<0.02			
10/14/2010				<0.02	0.0041				
4/5/2011				<0.02	<0.02				
4/6/2011	<0.02	<0.02	<0.02			<0.02	<0.02	<0.02	
10/4/2011		<0.02				<0.02			
10/6/2011			<0.02						
10/10/2011	<0.02								
10/12/2011				<0.02	0.0033		<0.02	<0.02	<0.02
4/3/2012	<0.02		<0.02						
4/4/2012				<0.02	<0.02				
4/5/2012							<0.02	<0.02	
4/9/2012									<0.02
4/10/2012		<0.02				<0.02			
9/19/2012			<0.02				<0.02		
9/24/2012	<0.02				0.0039				
9/25/2012								<0.02	<0.02
9/26/2012		<0.02		<0.02		<0.02			
3/12/2013	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02			
3/13/2013							<0.02	<0.02	<0.02
9/9/2013			<0.02						
9/10/2013		<0.02		<0.02	0.0035	<0.02	<0.02		
9/11/2013	<0.02							<0.02	<0.02
3/4/2014	0.0026	<0.02	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 6/12/2020 2:48 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	<0.02	<0.02		0.002 (J)	0.0028	<0.02			
4/22/2015			<0.02				0.0019 (J)	0.0015 (J)	
4/23/2015									<0.02
9/29/2015		0.0024 (J)		0.0021 (J)	0.008 (J)				
9/30/2015	<0.02		0.0026 (J)			0.0018 (J)	0.0037 (J)	0.002 (J)	0.0016 (J)
3/22/2016	<0.02	<0.02	<0.02	<0.02	<0.02				
3/23/2016						<0.02			<0.02
3/24/2016							<0.02	<0.02	
9/7/2016	0.0047 (J)	0.0023 (J)	0.0024 (J)	0.0034 (J)	0.0035 (J)	<0.02			
9/8/2016							0.0024 (J)	0.0029 (J)	<0.02
3/23/2017	<0.02		<0.02	0.0031 (J)					
3/24/2017		0.0068 (J)			0.0095 (J)				
3/27/2017						0.0014 (J)	<0.02	0.0019 (J)	0.0017 (J)
10/4/2017	<0.02		0.0017 (J)	<0.02	0.0031 (J)				
10/5/2017		<0.02				<0.02	<0.02	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)	<0.02		<0.02	
3/16/2018							<0.02		<0.02
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)		<0.02
4/5/2019				0.0013 (J)					
4/8/2019	<0.02	0.0024 (J)	0.0014 (J)		0.0023 (J)				
4/9/2019						<0.02	0.0037 (J)	<0.02	<0.02
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	<0.02	<0.02	<0.02	<0.02	<0.02				
3/27/2020						<0.02			
3/30/2020							<0.02		
3/31/2020								<0.02	<0.02

# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 2:48 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	<0.02	<0.02	0.0054					
3/7/2007				0.0064	<0.02			<0.02
5/8/2007				<0.02				0.0027
5/9/2007	<0.02	0.0035	0.0041		<0.02	45 (o)	0.0038	
7/6/2007				<0.02		16 (o)	<0.02	0.0032
7/17/2007	0.0031	<0.02	0.005		<0.02			
8/28/2007				0.0025	<0.02	11 (o)	<0.02	0.0026
8/29/2007	0.0056	<0.02	0.0044					
11/6/2007				<0.02	<0.02	8.3	<0.02	<0.02
11/7/2007	0.0059	<0.02	<0.02					
5/7/2008	0.0059	<0.02	<0.02					
5/8/2008				<0.02	<0.02	5	<0.02	<0.02
12/2/2008						3.2	<0.02	<0.02
12/3/2008				<0.02	<0.02			
12/5/2008	<0.02	<0.02	<0.02					
4/7/2009				0.0025	<0.02			
4/8/2009						2.4	<0.02	<0.02
4/14/2009		<0.02	<0.02					
4/27/2009	0.0051							
9/30/2009	0.0066	<0.02					<0.02	<0.02
10/1/2009			<0.02	<0.02	<0.02	1.9		
4/13/2010	0.0041	<0.02			<0.02	1.9	<0.02	<0.02
4/14/2010			<0.02	<0.02				
10/6/2010					<0.02			
10/7/2010						1.6		
10/12/2010	0.004	<0.02						
10/13/2010			<0.02				<0.02	<0.02
10/14/2010				<0.02				
4/5/2011				0.0025	<0.02	1.1	<0.02	<0.02
4/6/2011		<0.02	<0.02					
10/4/2011					<0.02	1.1	<0.02	<0.02
10/5/2011	0.0043	<0.02						
10/12/2011			<0.02	0.0037				
4/3/2012					<0.02	0.75	<0.02	
4/4/2012				<0.02				<0.02
4/9/2012		<0.02	<0.02					
4/10/2012	0.0108							
9/18/2012					<0.02	0.88		
9/19/2012			<0.02				<0.02	<0.02
9/24/2012				<0.02				
9/25/2012		<0.02						
9/26/2012	0.0066							
3/12/2013				<0.02	<0.02	0.23	<0.02	<0.02
3/13/2013	0.0035	<0.02	<0.02					
9/9/2013					<0.02			
9/10/2013			<0.02	<0.02		0.36	<0.02	<0.02
9/11/2013	0.005	<0.02						
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)	

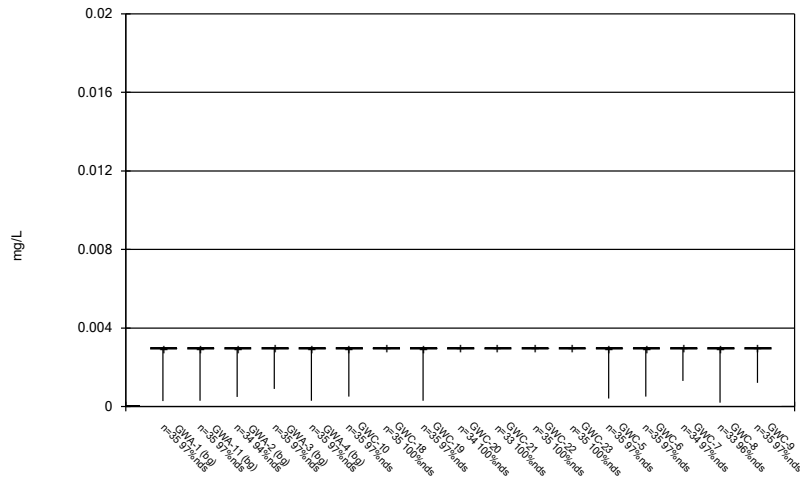
# Time Series

Constituent: Zinc (mg/L) Analysis Run 6/12/2020 2:48 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		<0.02
4/22/2015					<0.02		<0.02	
4/23/2015		<0.02	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		<0.02	<0.02	0.00272 (J)	<0.02	0.102	<0.02	<0.02
3/24/2016	0.00393 (J)							
9/7/2016				<0.02	0.0024 (J)	0.24		
9/8/2016	0.0047 (J)	<0.02	<0.02				<0.02	<0.02
3/23/2017				0.0026 (J)	0.0035 (J)			
3/24/2017						0.0512	0.0031 (J)	
3/27/2017	0.0036 (J)	<0.02	0.0014 (J)					0.0014 (J)
10/4/2017				<0.02	<0.02	0.159		
10/5/2017	0.0065 (J)	<0.02	0.0014 (J)				<0.02	0.0013 (J)
3/14/2018							0.0053 (J)	
3/15/2018	0.0053 (J)	<0.02	0.0039 (J)			0.12		<0.02
3/16/2018				<0.02	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)	<0.02		<0.02				
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			<0.02					
3/27/2020							<0.02	<0.02
3/30/2020						0.051		
3/31/2020	<0.02	<0.02		<0.02	<0.02			

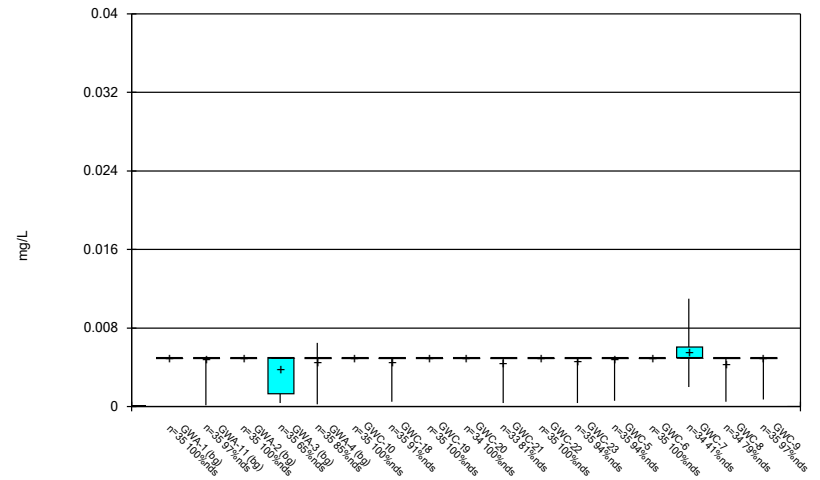
FIGURE B.

### Box & Whiskers Plot



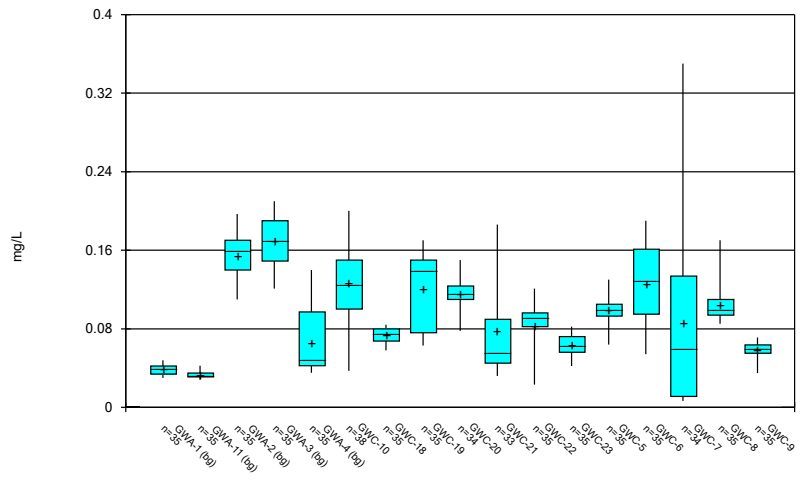
Constituent: Antimony Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



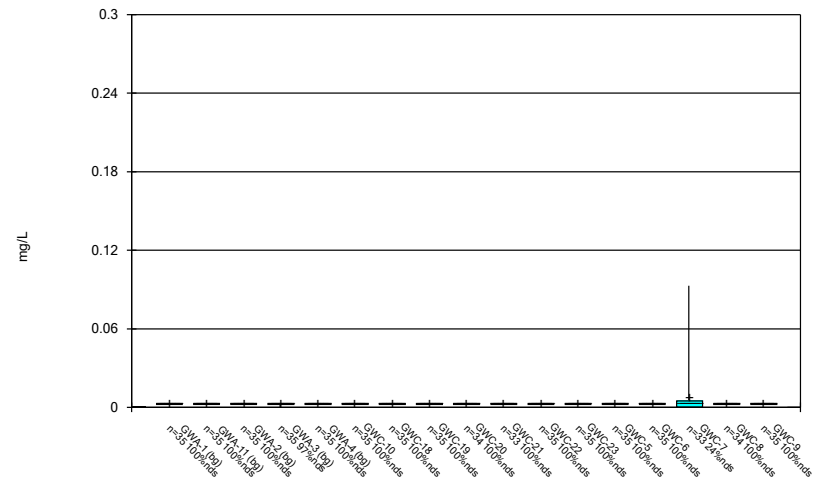
Constituent: Arsenic Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



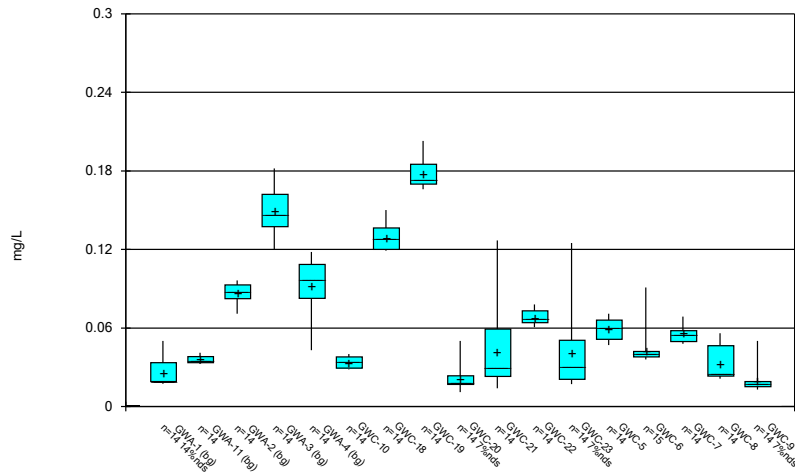
Constituent: Barium Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



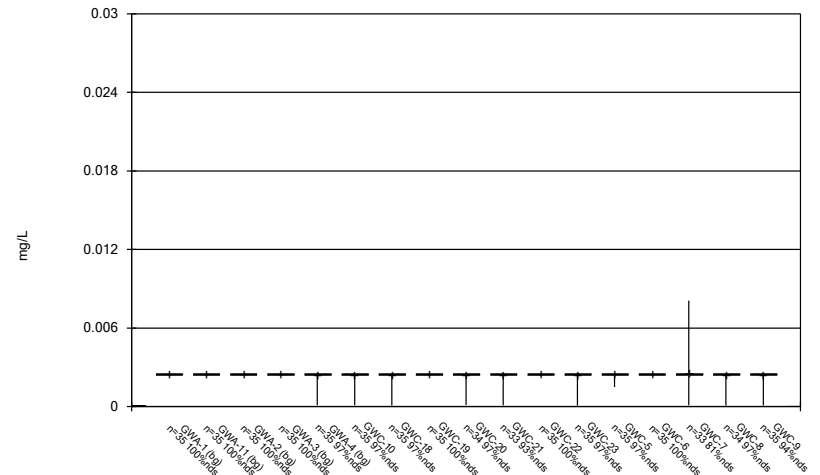
Constituent: Beryllium Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



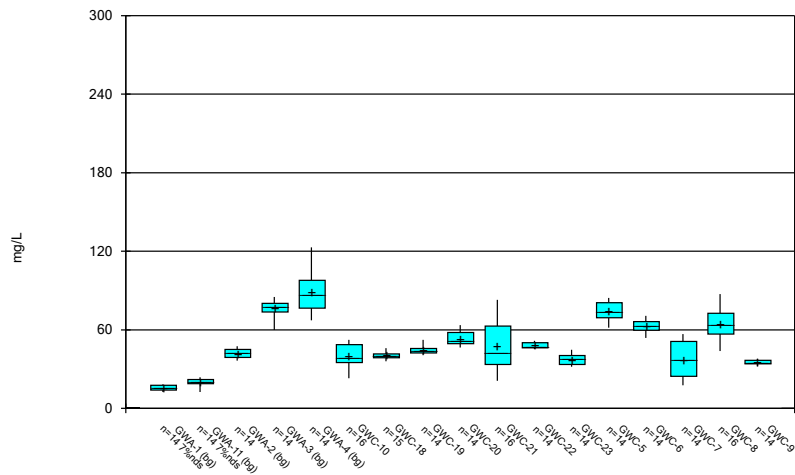
Constituent: Boron Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



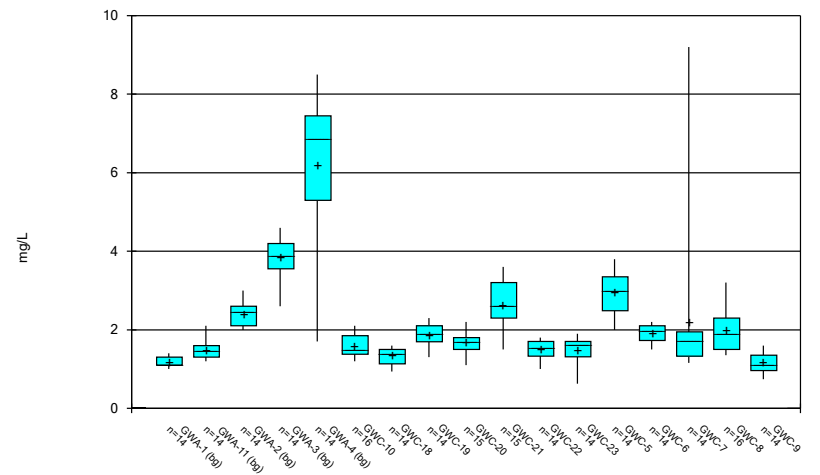
Constituent: Cadmium Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



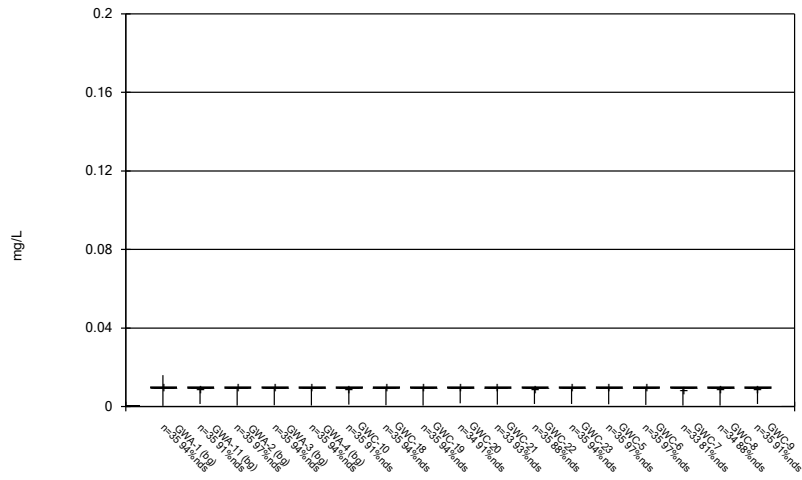
Constituent: Calcium Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



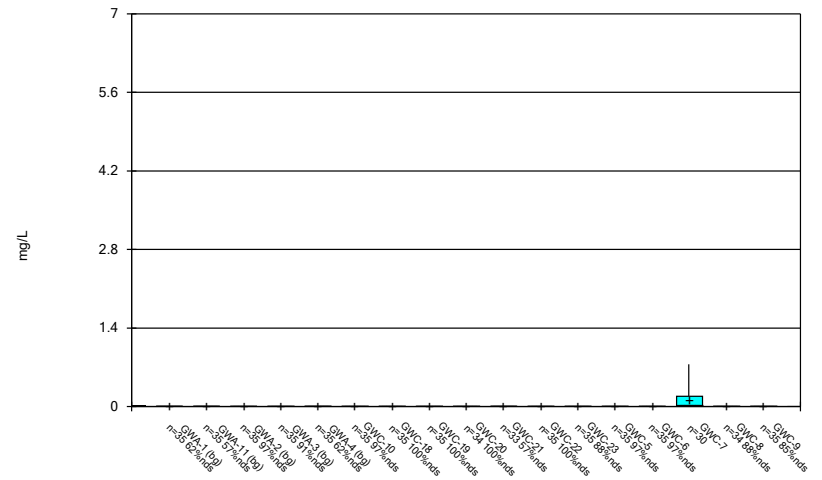
Constituent: Chloride Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



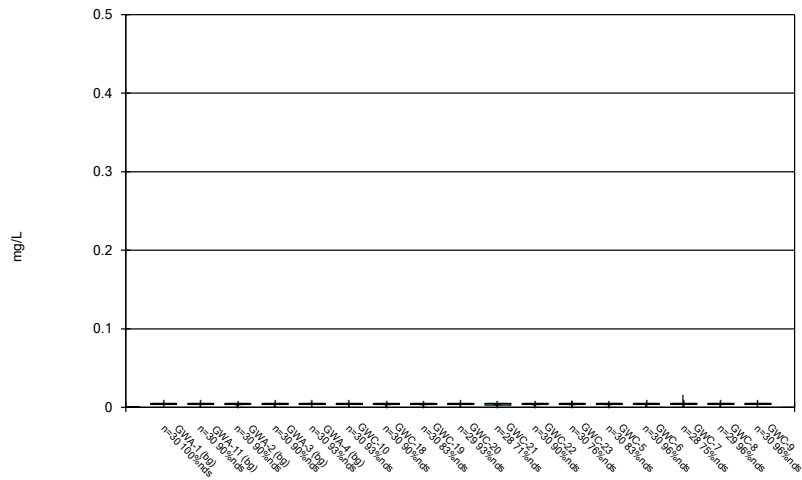
Constituent: Chromium Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



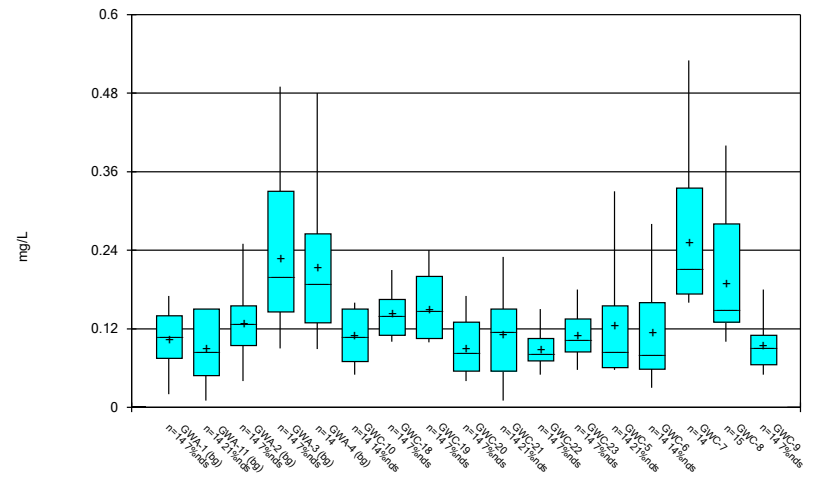
Constituent: Cobalt Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



Constituent: Copper Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

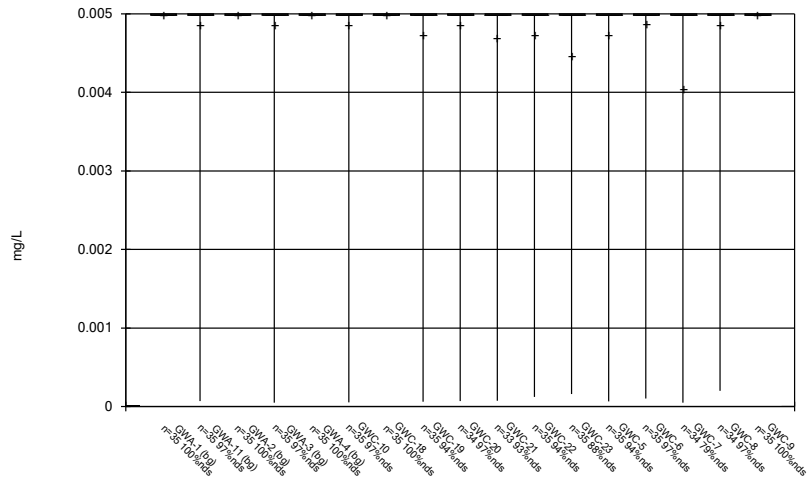
### Box & Whiskers Plot



Constituent: Fluoride Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

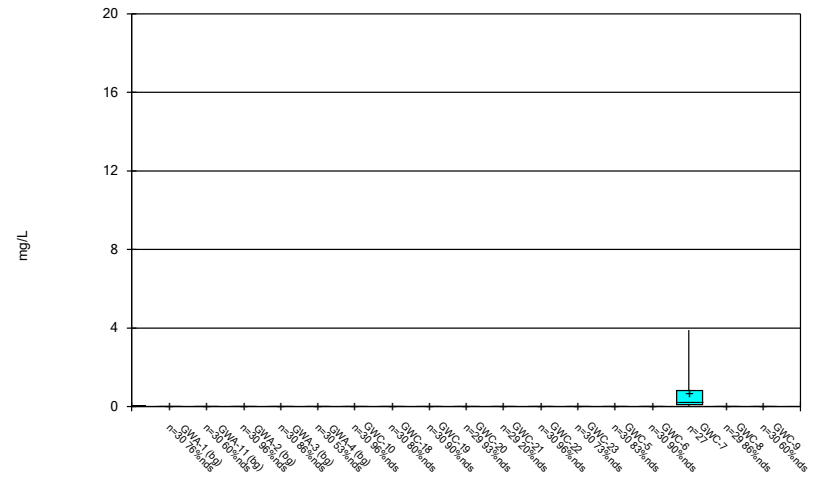


### Box & Whiskers Plot



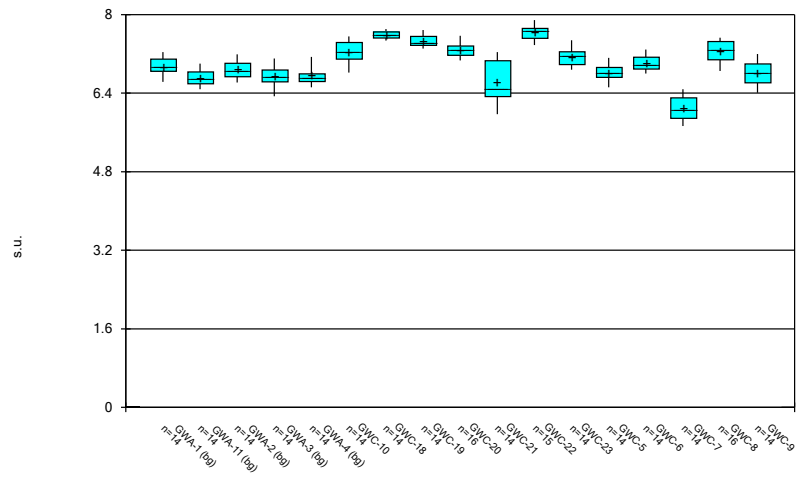
Constituent: Lead Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



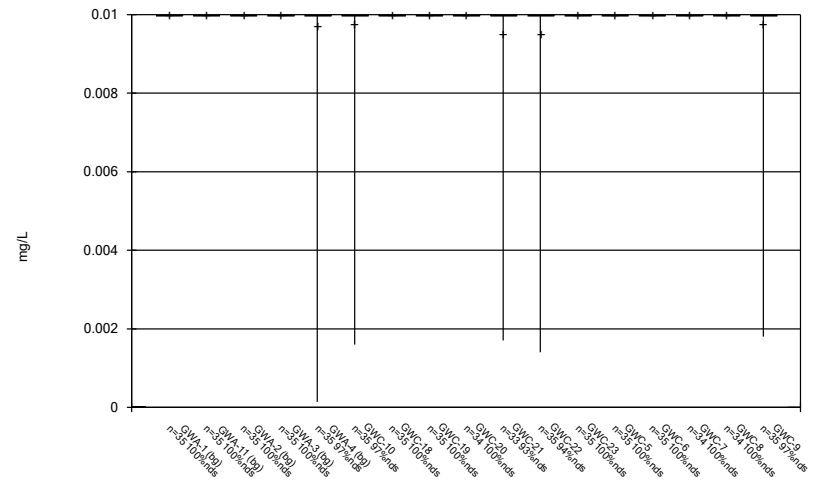
Constituent: Nickel Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



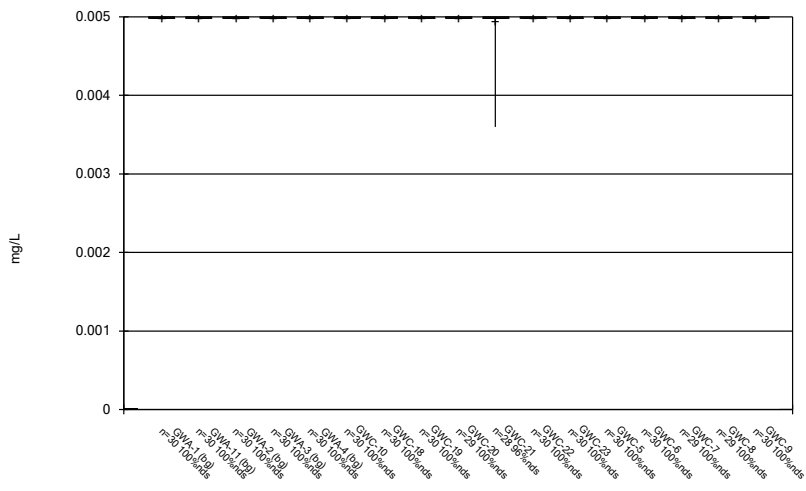
Constituent: pH Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



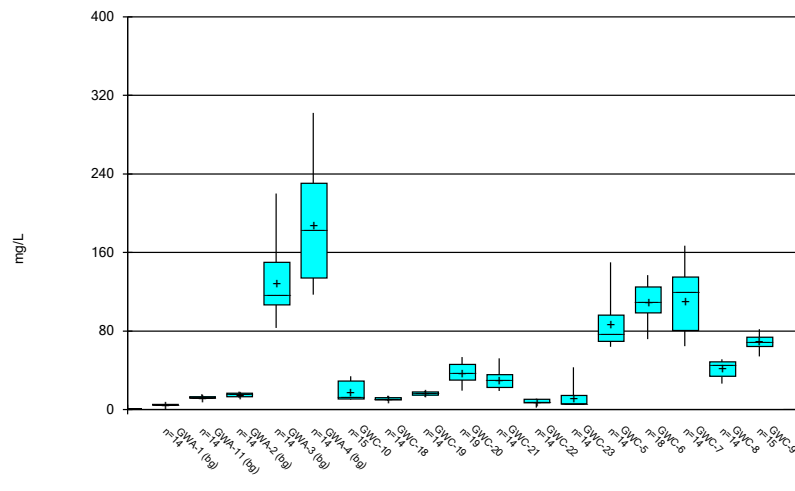
Constituent: Selenium Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



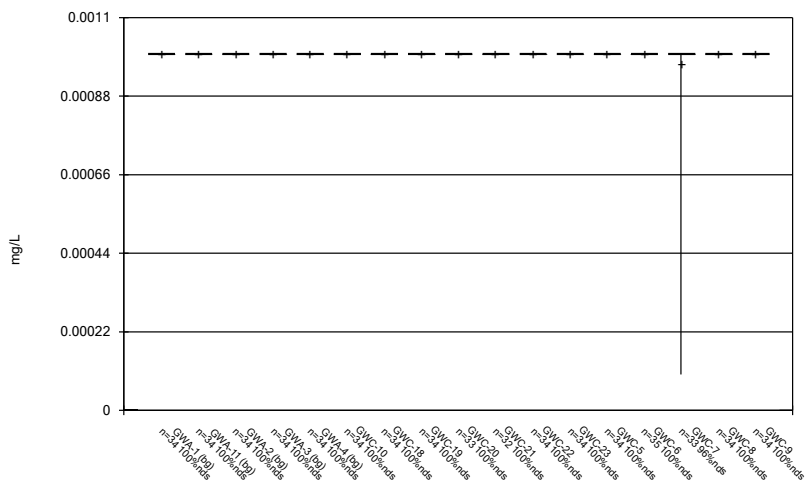
Constituent: Silver Analysis Run 6/12/2020 2:51 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



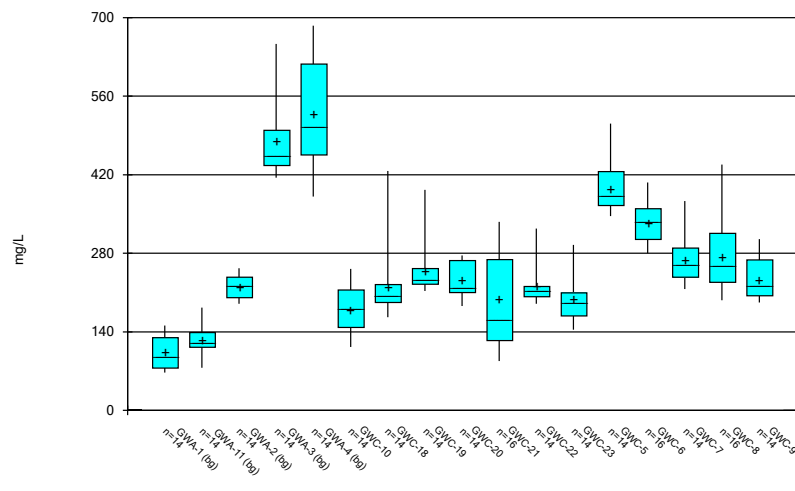
Constituent: Sulfate Analysis Run 6/12/2020 2:51 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



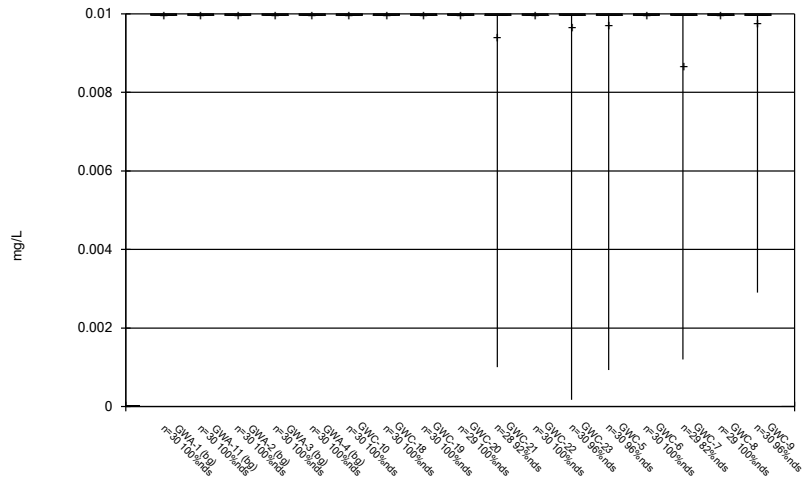
Constituent: Thallium Analysis Run 6/12/2020 2:51 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



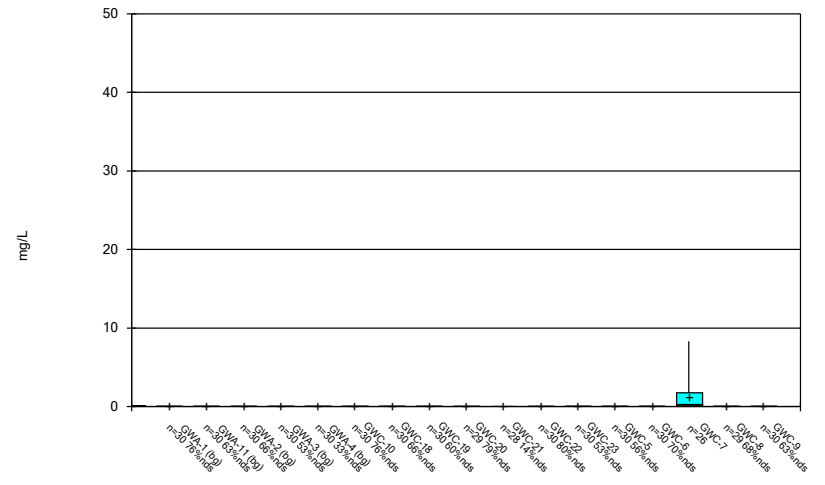
Constituent: Total Dissolved Solids Analysis Run 6/12/2020 2:51 PM  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



Constituent: Vanadium Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



Constituent: Zinc Analysis Run 6/12/2020 2:51 PM  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

FIGURE C.

# Outlier Summary

Plant Hammond   Client: Southern Company   Data: Huffaker Road Landfill   Printed 5/28/2020, 3:53 PM

	GWC-8 Antimony (mg/L)	GWC-7 Arsenic (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)	GWC-7 Nickel (mg/L)
5/9/2007	0.038 (o)	0.28 (o)	0.023 (o)			0.11 (o)	6.5 (o)	0.44 (o)	18 (o)	
7/6/2007							2.1 (o)		5.9 (o)	
8/28/2007							1.4 (o)			
11/6/2007	0.0064 (o)						1.1 (o)			
10/5/2017						5.5 (o)				
10/4/2018					264 (o)					

	GWC-7 Zinc (mg/L)
5/9/2007	45 (o)
7/6/2007	16 (o)
8/28/2007	11 (o)
11/6/2007	
10/5/2017	
10/4/2018	

FIGURE D.

# State Parameter Prediction Limits - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 5/28/2020, 4:07 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-19	0.1697	n/a	3/31/2020	0.17	Yes	23	0.00038790	0.000176	0	None	x^4	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-20	0.1358	n/a	3/31/2020	0.15	Yes	31	0.001502	0.0004195	0	None	x^3	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-8	0.1227	n/a	3/27/2020	0.14	Yes	31	0.316	0.01439	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2

# State Parameter Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 5/28/2020, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.003	n/a	3/26/2020	0.00028	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	3/26/2020	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	3/26/2020	0.00049	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	3/26/2020	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	3/26/2020	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	3/27/2020	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-19	0.003	n/a	3/31/2020	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	3/31/2020	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	3/31/2020	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	3/30/2020	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	3/27/2020	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	3/27/2020	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	3/26/2020	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	3/26/2020	0.00048	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	3/26/2020	0.00044	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	3/30/2020	0.00073	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	3/31/2020	0.00035	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	3/26/2020	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	3/31/2020	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	3/30/2020	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	3/27/2020	0.002	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	3/27/2020	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	3/26/2020	0.032	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	3/26/2020	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	3/26/2020	0.16	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	3/26/2020	0.14	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	3/26/2020	0.049	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	3/27/2020	0.037	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	3/30/2020	0.077	No	32	0.07311	0.006987	0	None	No	0.0002926	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-19</b>	<b>0.1697</b>	<b>n/a</b>	<b>3/31/2020</b>	<b>0.17</b>	<b>Yes</b>	<b>23</b>	<b>0.00038790</b>	<b>0.000176</b>	<b>0</b>	<b>None</b>	<b>x^4</b>	<b>0.0002926</b>	<b>Param Intra 1 of 2</b>
<b>Barium (mg/L)</b>	<b>GWC-20</b>	<b>0.1358</b>	<b>n/a</b>	<b>3/31/2020</b>	<b>0.15</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	3/31/2020	0.044	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	3/31/2020	0.1	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-23	0.08464	n/a	3/26/2020	0.071	No	32	0.06272	0.009212	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.1274	n/a	3/31/2020	0.064	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	3/31/2020	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	3/30/2020	0.21	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>3/27/2020</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	3/27/2020	0.06	No	20	0.06193	0.00445	0	None	No	0.0002926	Param Intra 1 of 2
Beryllium (mg/L)	GWA-3	0.003	n/a	3/26/2020	0.003ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-7	0.137	n/a	3/30/2020	0.003ND	No	30	-6.771	1.993	23.33	Kaplan-Meier	ln(x)	0.0002926	Param Intra 1 of 2
Cadmium (mg/L)	GWA-4	0.0025	n/a	3/26/2020	0.0025ND	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	0.0025	n/a	3/27/2020	0.0025ND	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	0.0025	n/a	3/30/2020	0.0025ND	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	0.0025	n/a	3/31/2020	0.0025ND	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	0.0025	n/a	3/31/2020	0.0025ND	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	0.0025	n/a	3/26/2020	0.0025ND	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	0.0025	n/a	3/31/2020	0.0025ND	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	0.0081	n/a	3/30/2020	0.0025ND	No	30	n/a	n/a	80	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8	0.0025	n/a	3/27/2020	0.0025ND	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	0.0025	n/a	3/27/2020	0.0025ND	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	3/26/2020	0.01ND	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	0.01	n/a	3/26/2020	0.01ND	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	0.01	n/a	3/26/2020	0.00043	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3	0.01	n/a	3/26/2020	0.00062	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2



# State Parameter Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 5/28/2020, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWA-4	0.01	n/a	3/26/2020	0.0013	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	0.01	n/a	3/27/2020	0.01ND	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	0.01	n/a	3/30/2020	0.00071	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19	0.01	n/a	3/31/2020	0.00042	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	0.01	n/a	3/31/2020	0.01ND	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	0.01	n/a	3/31/2020	0.00093	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	0.01	n/a	3/31/2020	0.0015	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	0.01	n/a	3/26/2020	0.01ND	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	0.01	n/a	3/31/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.01	n/a	3/31/2020	0.00085	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-7	0.01	n/a	3/30/2020	0.00041	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	0.01	n/a	3/27/2020	0.01ND	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	0.01	n/a	3/27/2020	0.01ND	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	3/26/2020	0.00049	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	3/26/2020	0.00063	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	3/26/2020	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	3/26/2020	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	0.01	n/a	3/26/2020	0.00082	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	0.0025	n/a	3/27/2020	0.00082	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	3/31/2020	0.0019	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	0.01	n/a	3/26/2020	0.00035	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	3/31/2020	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-6	0.005	n/a	3/31/2020	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	3/30/2020	0.012	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	3/27/2020	0.0016	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	0.01	n/a	3/27/2020	0.00063	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	3/26/2020	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	3/26/2020	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	0.025	n/a	3/26/2020	0.00022	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	3/26/2020	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	0.025	n/a	3/27/2020	0.00022	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	3/30/2020	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	3/31/2020	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	3/31/2020	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	0.025	n/a	3/31/2020	0.00082	No	25	n/a	n/a	76	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-22	0.025	n/a	3/31/2020	0.0002	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	0.025	n/a	3/26/2020	0.00067	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	0.025	n/a	3/31/2020	0.00019	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	3/31/2020	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	3/30/2020	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	3/27/2020	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	3/27/2020	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	0.005	n/a	3/26/2020	0.005ND	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	3/26/2020	0.000047	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.005	n/a	3/27/2020	0.000054	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19	0.005	n/a	3/31/2020	0.000061	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	0.005	n/a	3/31/2020	0.005ND	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	3/31/2020	0.005ND	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	3/31/2020	0.00013	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	3/26/2020	0.00016	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	0.005	n/a	3/31/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6	0.005	n/a	3/31/2020	0.005ND	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	3/30/2020	0.000048	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	0.005	n/a	3/27/2020	0.005ND	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.01	n/a	3/26/2020	0.00065	No	27	n/a	n/a	85.19	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2

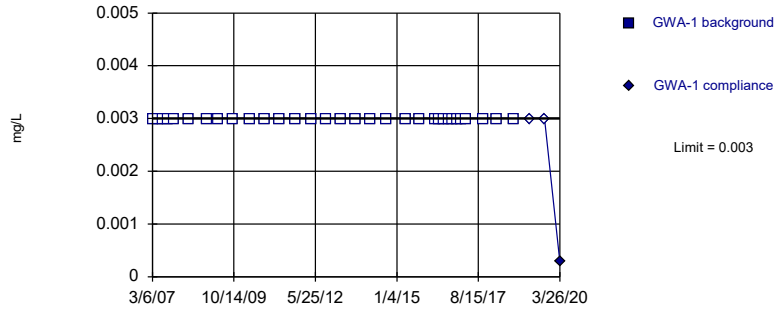
# State Parameter Prediction Limits - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 5/28/2020, 4:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWA-11	0.01	n/a	3/26/2020	0.002	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	3/26/2020	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	0.01	n/a	3/26/2020	0.0011	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	0.01	n/a	3/26/2020	0.00096	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	0.01	n/a	3/27/2020	0.0023	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.01	n/a	3/30/2020	0.00048	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	3/31/2020	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	3/31/2020	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	3/31/2020	0.0039	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	3/31/2020	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	0.01	n/a	3/26/2020	0.001	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	0.01	n/a	3/31/2020	0.0013	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	3/31/2020	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	3/30/2020	0.037	No	12	0.133	0.06625	0	None	No	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.01	n/a	3/27/2020	0.00053	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	3/27/2020	0.0022	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	0.01	n/a	3/26/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-10	0.01	n/a	3/27/2020	0.01ND	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	0.01	n/a	3/31/2020	0.01ND	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	0.01	n/a	3/31/2020	0.01ND	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	0.01	n/a	3/27/2020	0.01ND	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	3/31/2020	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	3/30/2020	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	3/31/2020	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	3/26/2020	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	3/31/2020	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	3/30/2020	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	3/27/2020	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	0.02	n/a	3/26/2020	0.02ND	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	0.02	n/a	3/26/2020	0.02ND	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	0.02	n/a	3/26/2020	0.02ND	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	0.02	n/a	3/26/2020	0.02ND	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	3/26/2020	0.02ND	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	0.02	n/a	3/27/2020	0.02ND	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	0.02	n/a	3/30/2020	0.02ND	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	0.02	n/a	3/31/2020	0.02ND	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	0.02	n/a	3/31/2020	0.02ND	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	3/31/2020	0.02ND	No	25	n/a	n/a	12	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-22	0.02	n/a	3/31/2020	0.02ND	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	0.02	n/a	3/26/2020	0.02ND	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	0.02	n/a	3/31/2020	0.02ND	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	0.02	n/a	3/31/2020	0.02ND	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	3/30/2020	0.051	No	12	0.2426	0.123	0	None	No	0.0002926	Param Intra 1 of 2
Zinc (mg/L)	GWC-8	0.02	n/a	3/27/2020	0.02ND	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	0.02	n/a	3/27/2020	0.02ND	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

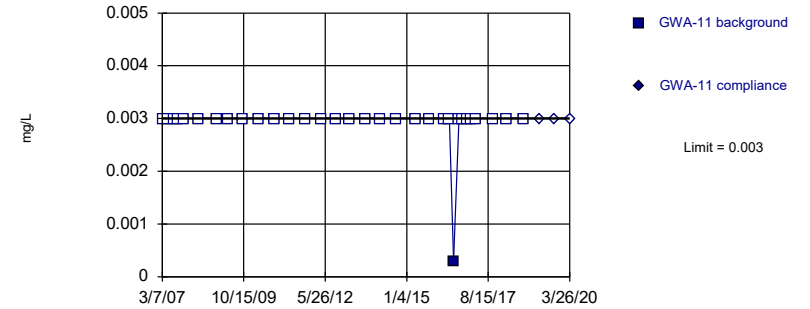


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 3:59 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

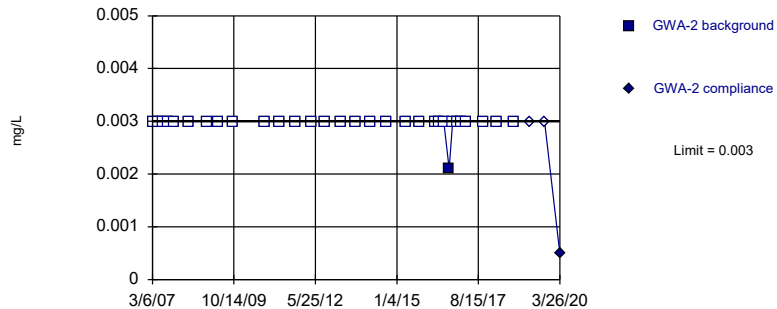


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 3:59 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

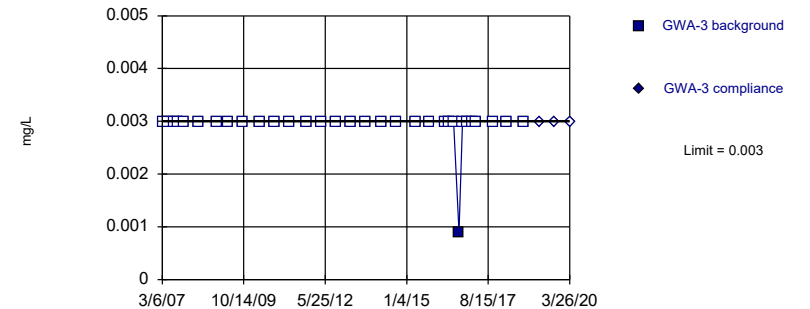


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 3:59 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

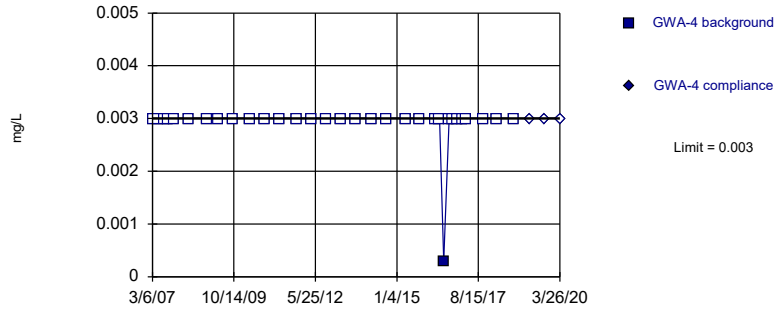


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 3:59 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

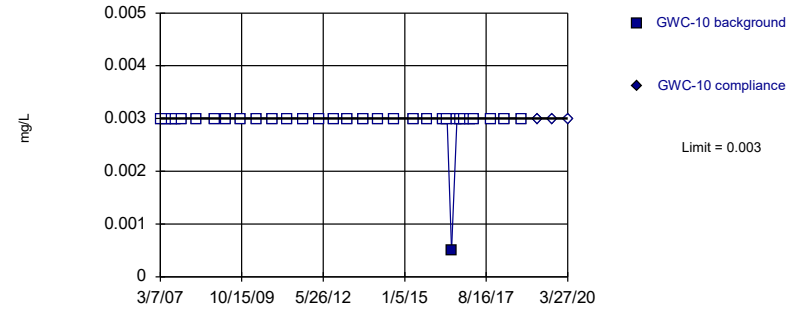


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 3:59 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

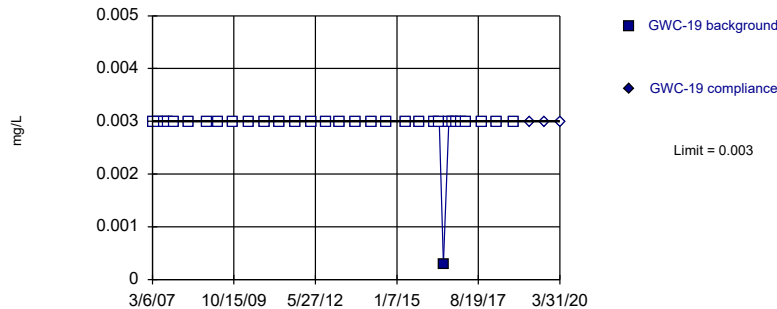


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 3:59 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

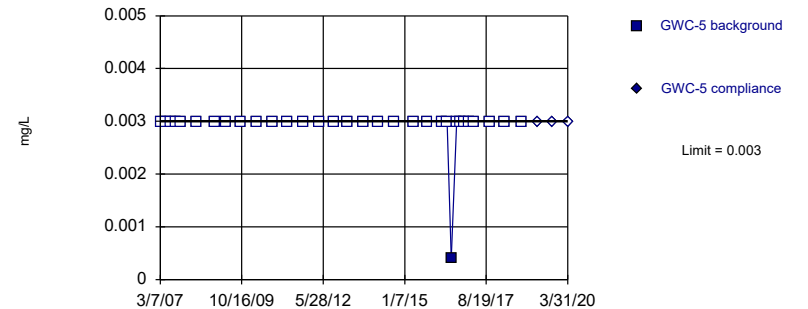


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

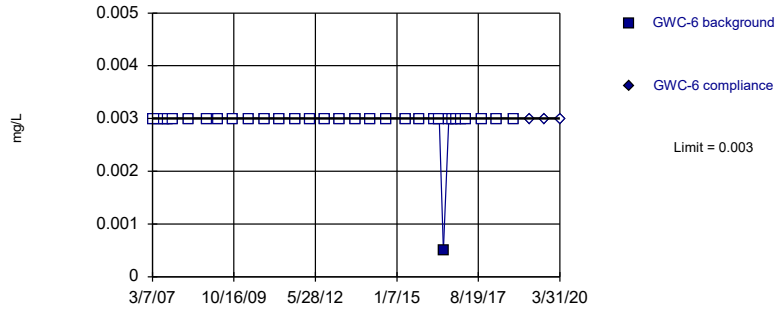


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

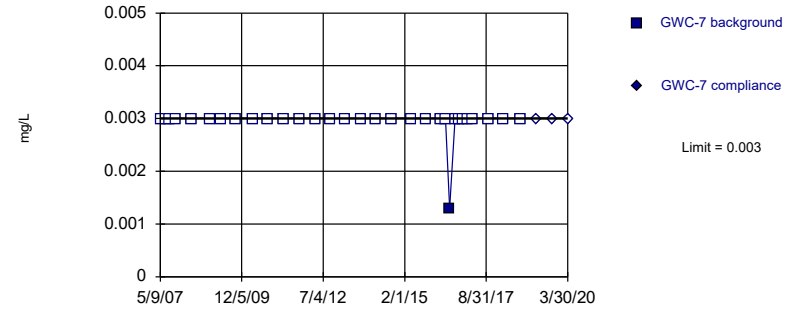


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

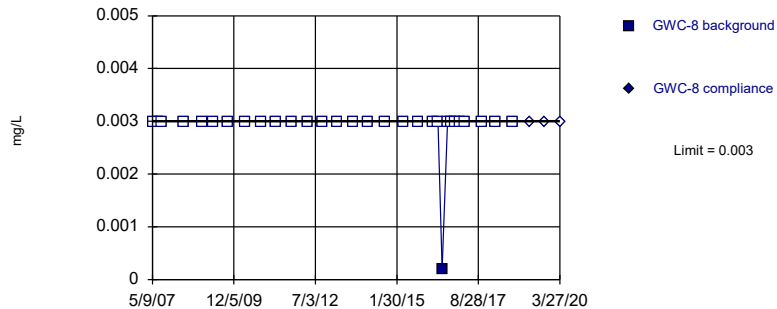


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

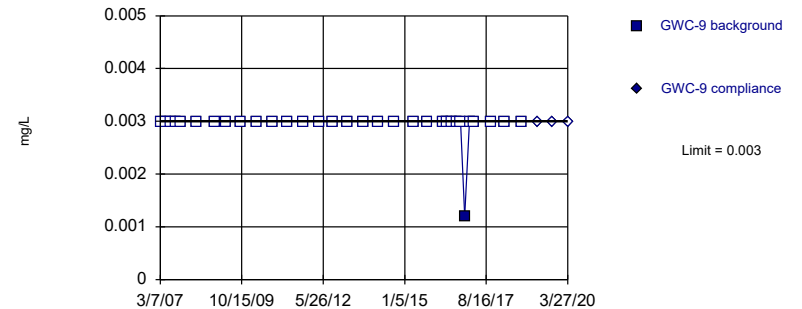


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

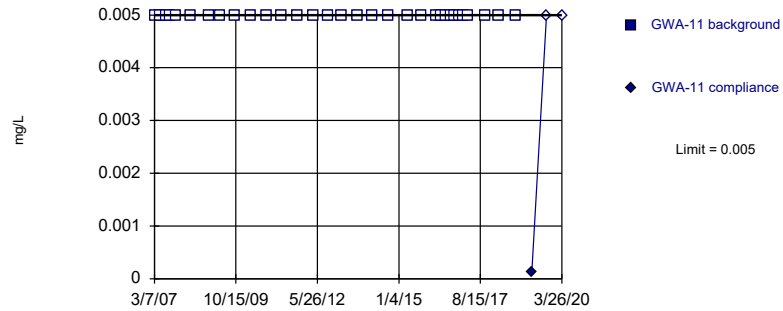


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

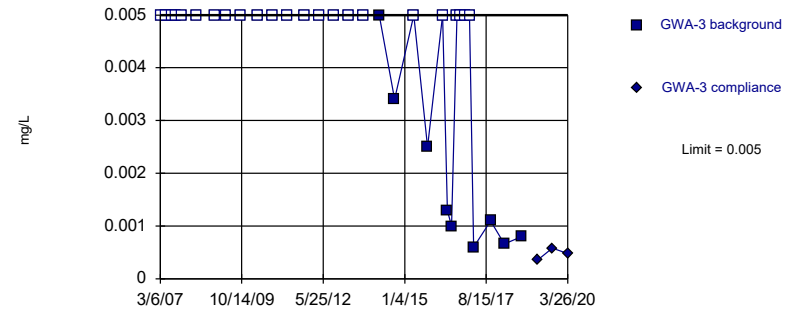


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

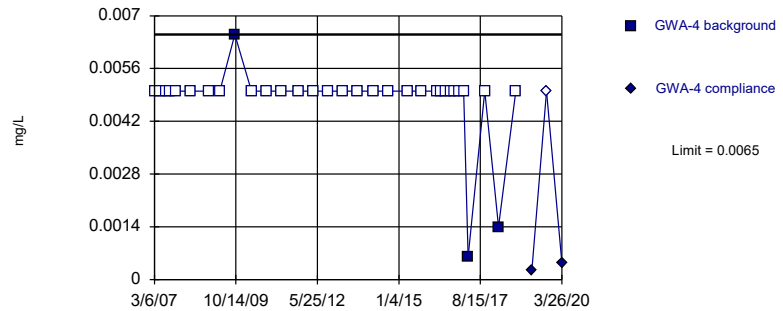


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

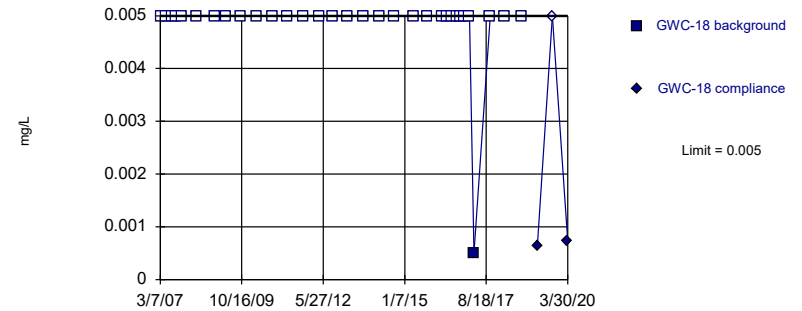


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

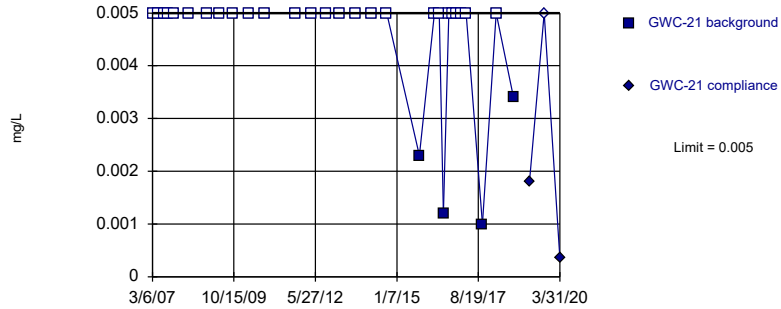


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

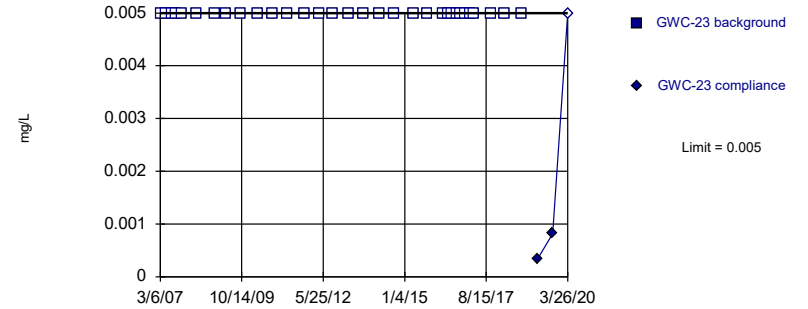


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

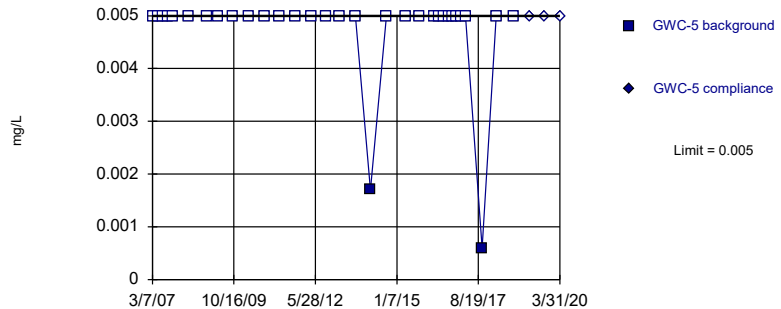


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

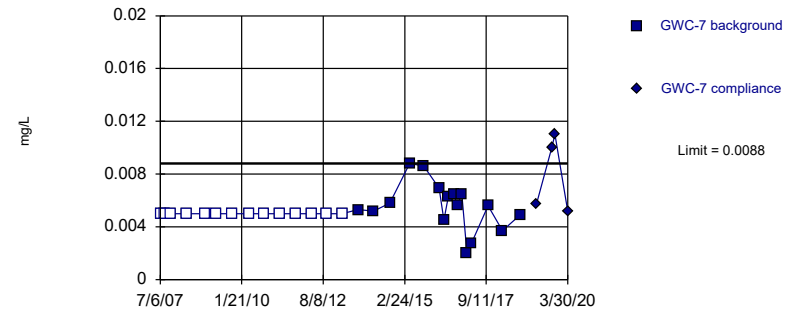


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

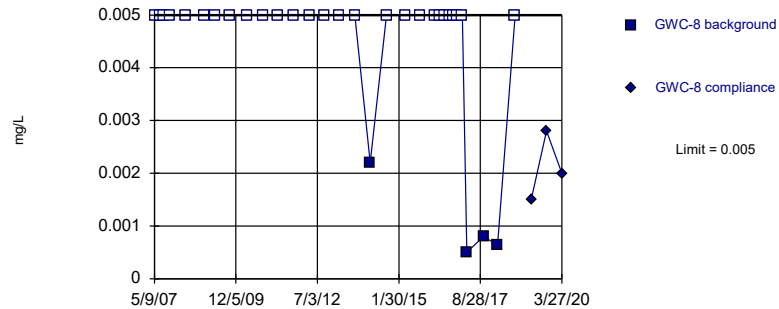


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

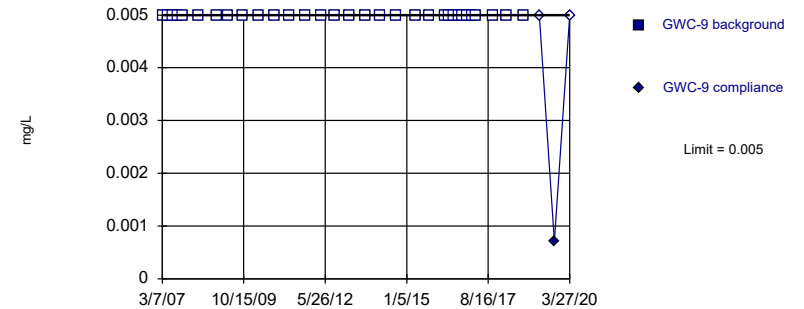


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Arsenic Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

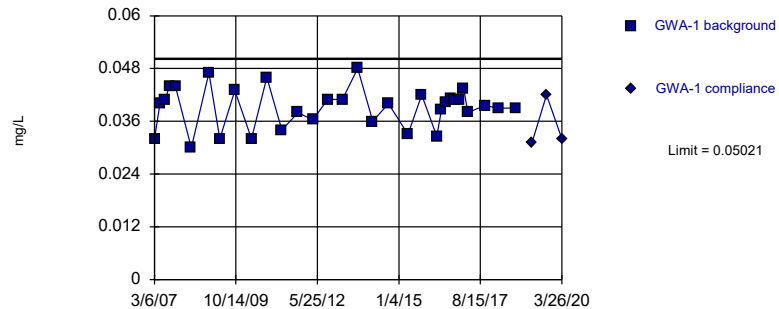


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

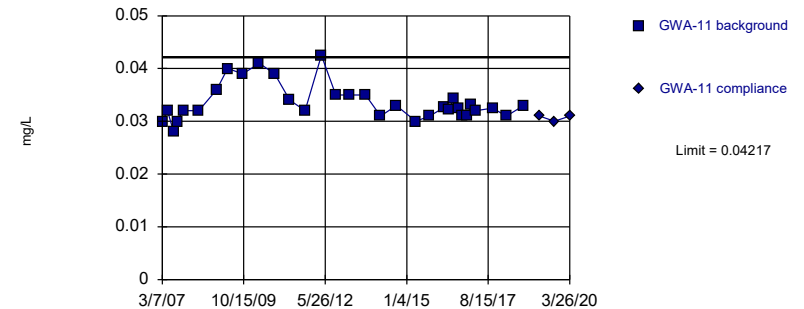


Background Data Summary: Mean=0.03919, Std. Dev.=0.00463, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9563, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



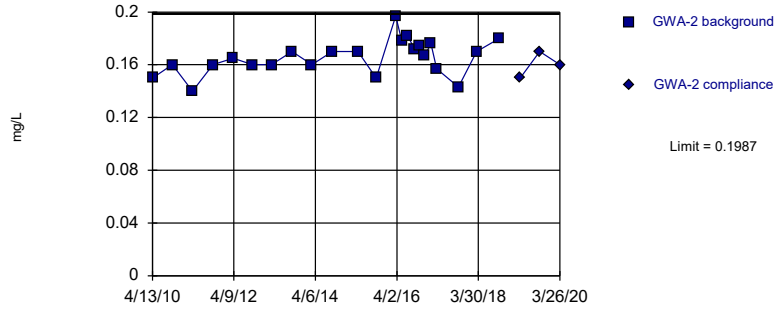
Background Data Summary (based on natural log transformation): Mean=-3.4, Std. Dev.=0.09826, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9108, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

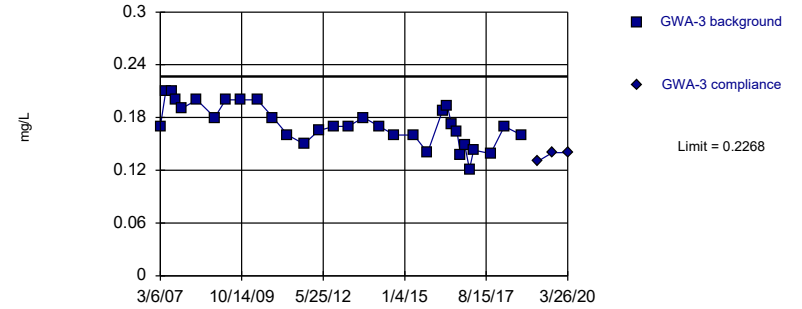


Background Data Summary: Mean=0.1657, Std. Dev.=0.01314, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.881. Kappa = 2.512 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

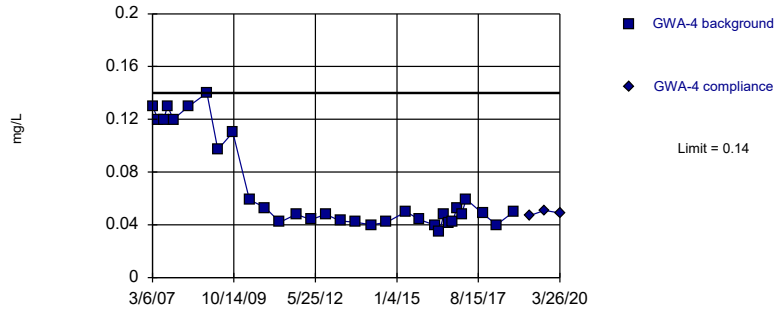


Background Data Summary: Mean=0.1719, Std. Dev.=0.02304, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9617, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

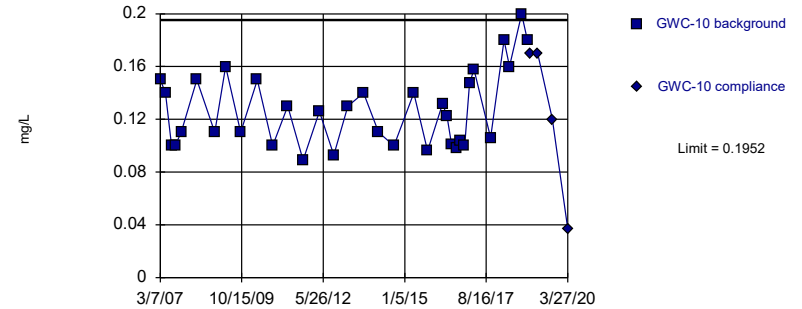


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

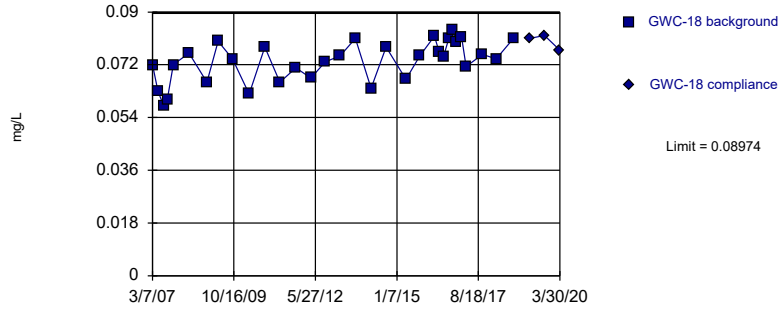


Background Data Summary: Mean=0.1271, Std. Dev.=0.02885, n=34. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9143, critical = 0.908. Kappa = 2.36 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

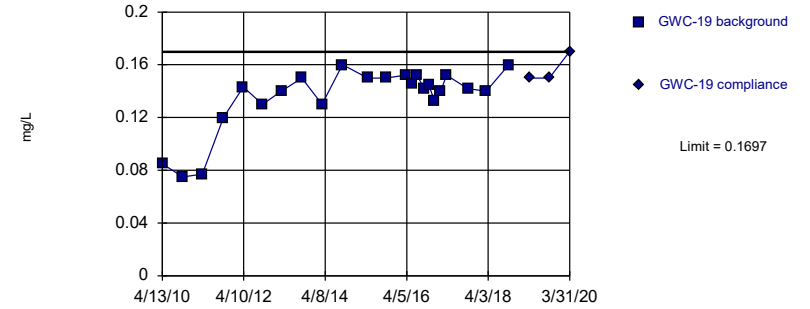


Background Data Summary: Mean=0.07311, Std. Dev.=0.006987, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.946, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds 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 5/28/2020 4:00 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

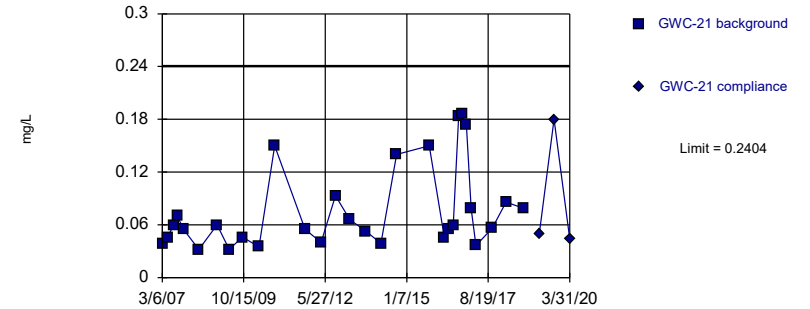


Background Data Summary (based on cube transformation): Mean=0.001502, Std. Dev.=0.0004195, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9239, critical = 0.902. Kappa = 2.39 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

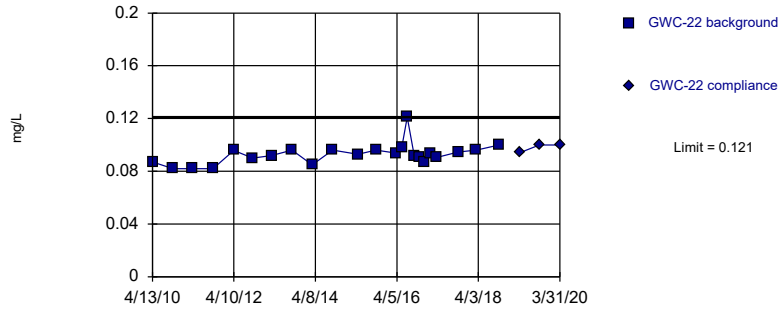


Background Data Summary (based on natural log transformation): Mean=-2.722, Std. Dev.=0.5402, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9034, critical = 0.9. Kappa = 2.4 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

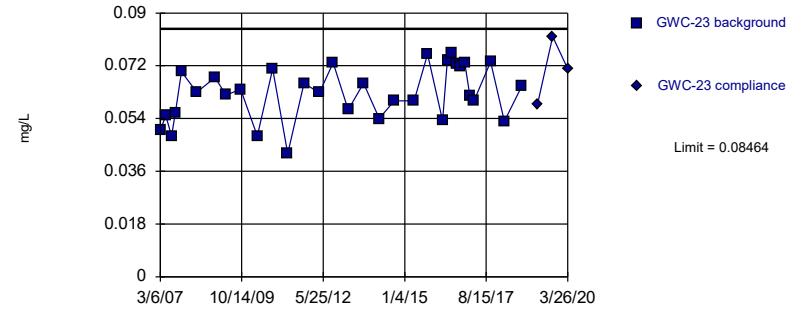


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

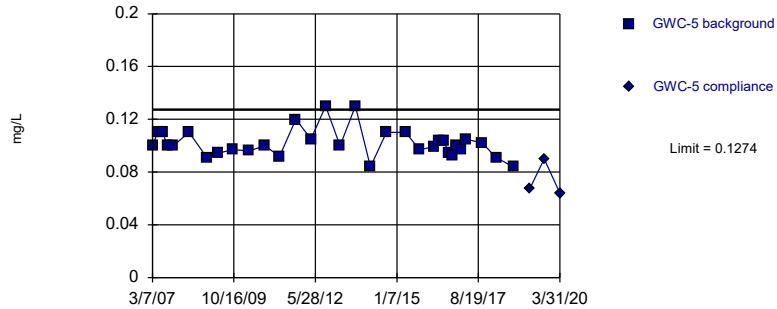


Background Data Summary: Mean=0.06272, Std. Dev.=0.009212, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

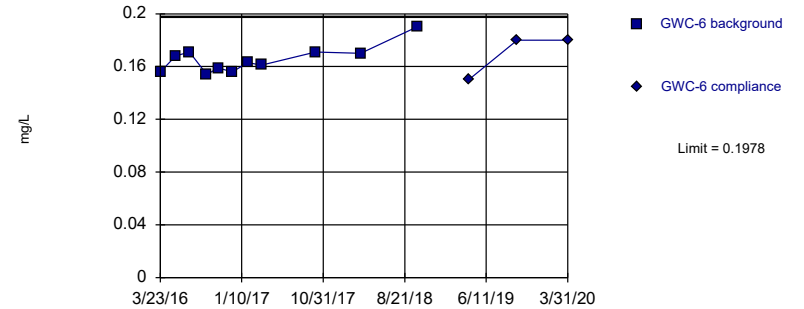


Background Data Summary: Mean=0.1019, Std. Dev.=0.01074, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9137, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

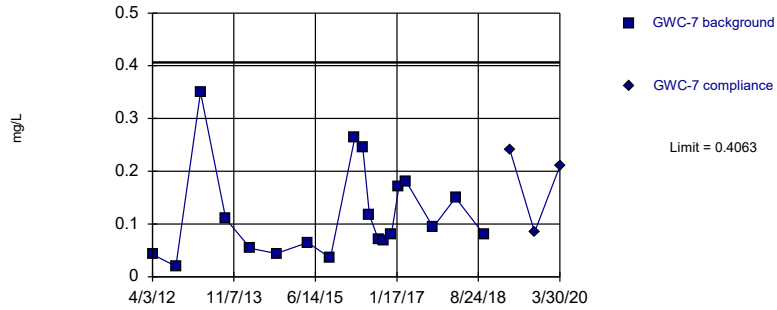


Background Data Summary: Mean=0.1654, Std. Dev.=0.01034, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8754, critical = 0.792. Kappa = 3.135 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

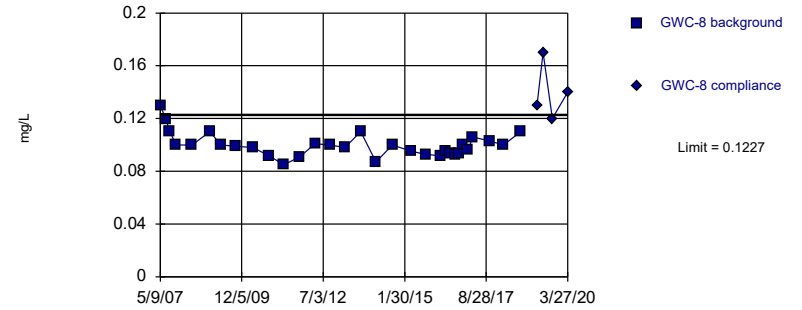


Background Data Summary (based on square root transformation): Mean=0.3226, Std. Dev.=0.1206, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.863. Kappa = 2.611 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

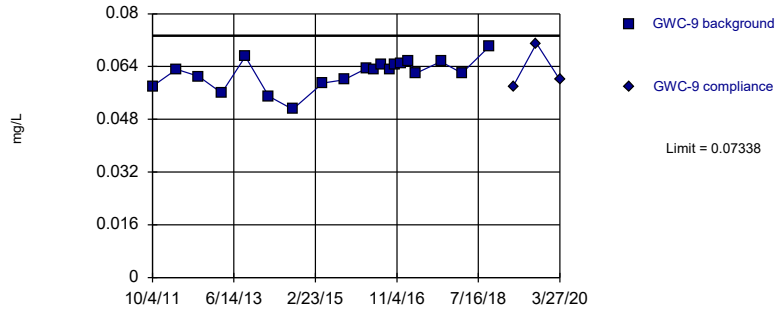


Background Data Summary (based on square root transformation): Mean=0.316, Std. Dev.=0.01439, n=31. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9173, critical = 0.902. Kappa = 2.39 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

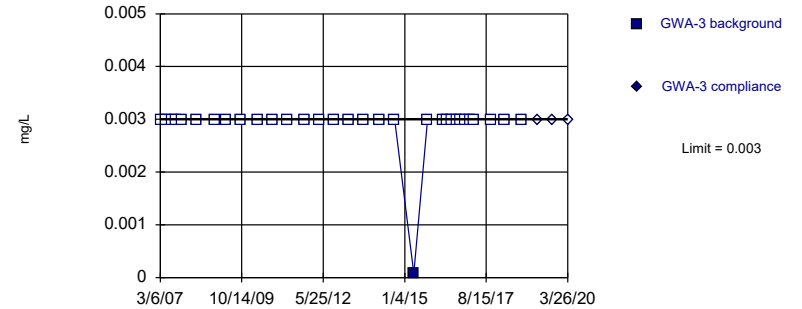


Background Data Summary: Mean=0.06193, Std. Dev.=0.00445, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9577, critical = 0.868. Kappa = 2.575 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

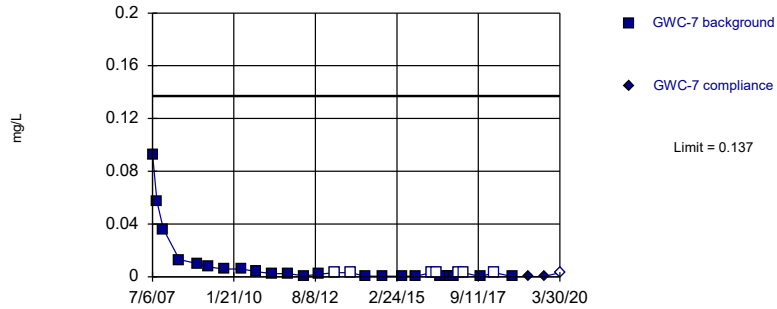


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Beryllium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

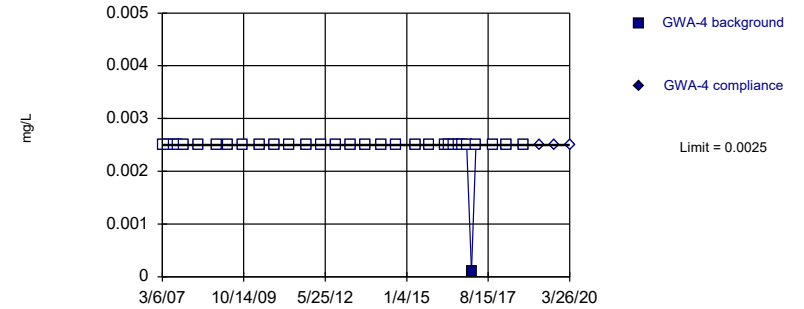


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.771, Std. Dev.=1.993, n=30, 23.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9446, critical = 0.9. Kappa = 2.4 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Beryllium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

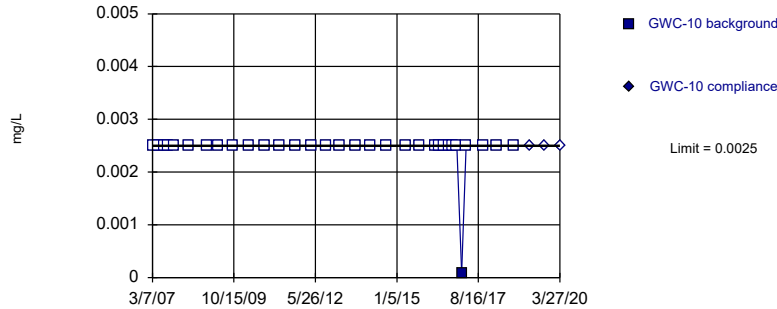


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

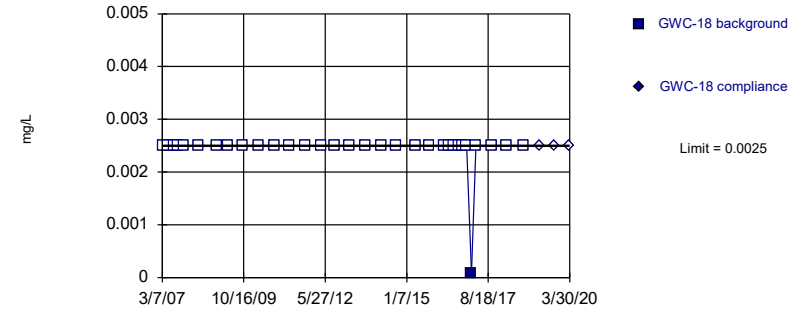


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

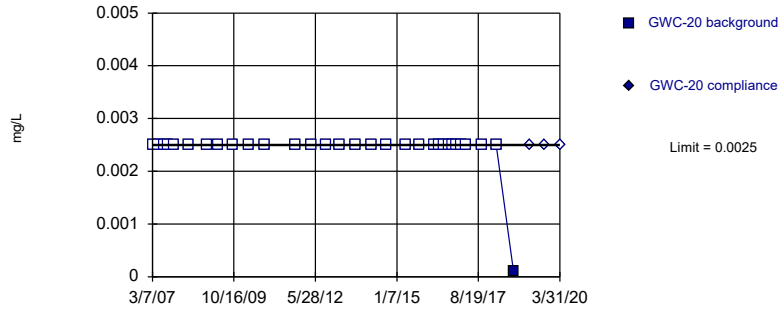


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

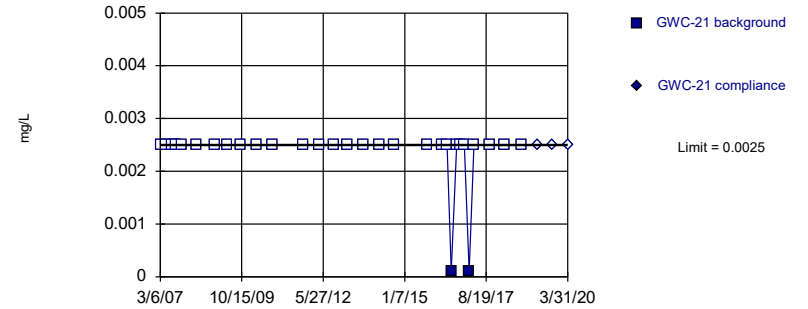


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cadmium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

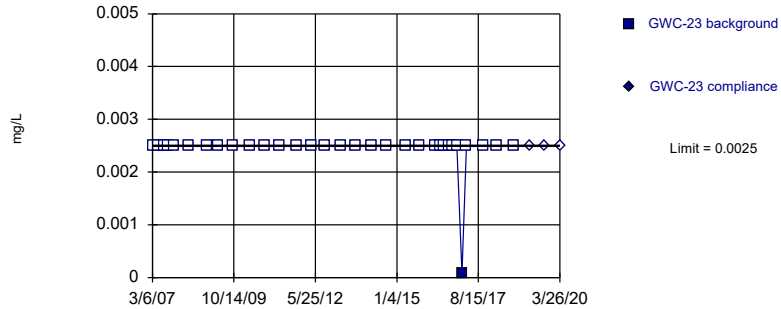


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

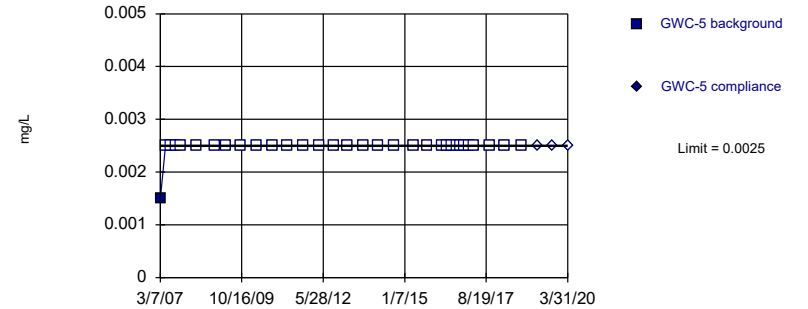


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

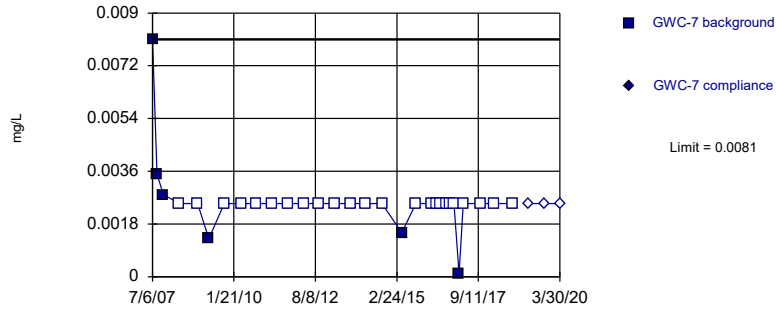


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

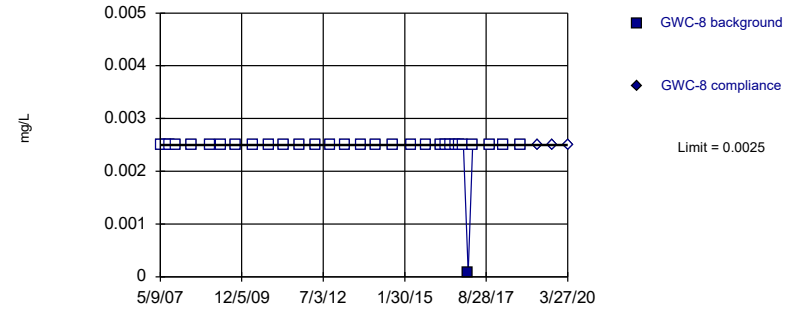


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 80% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

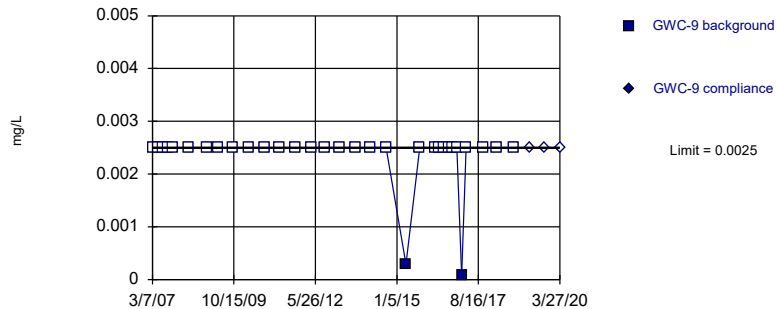


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cadmium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

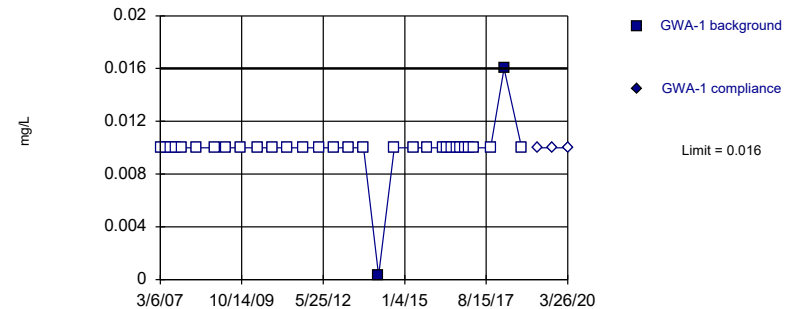


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

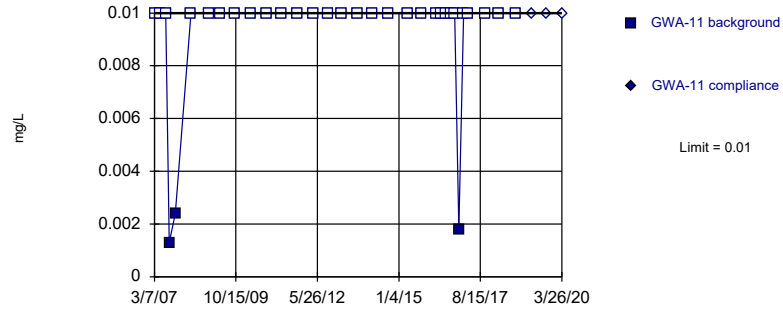


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

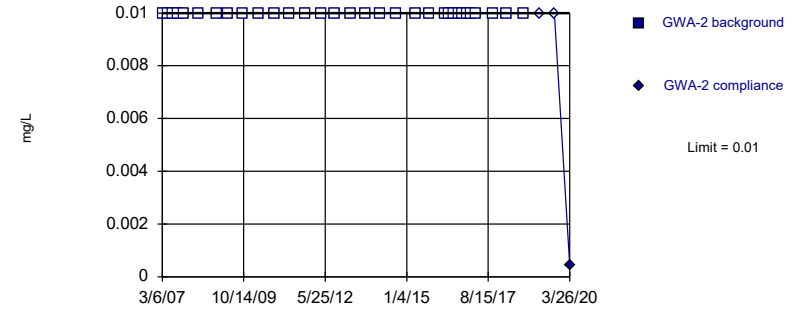


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

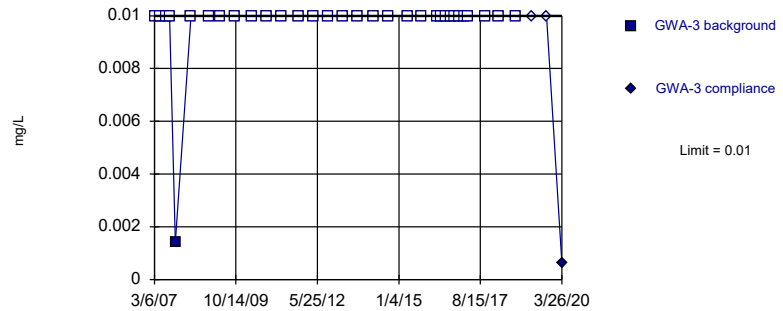


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

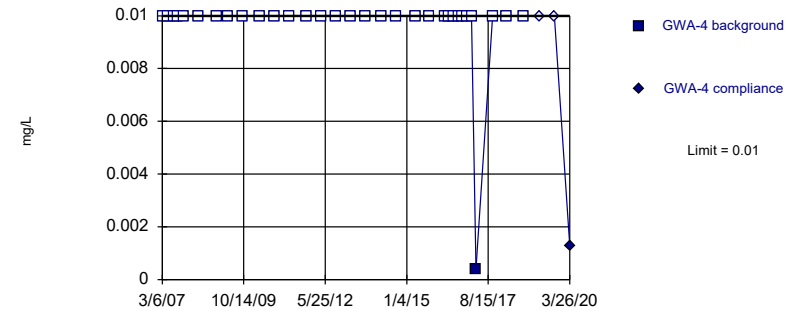


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



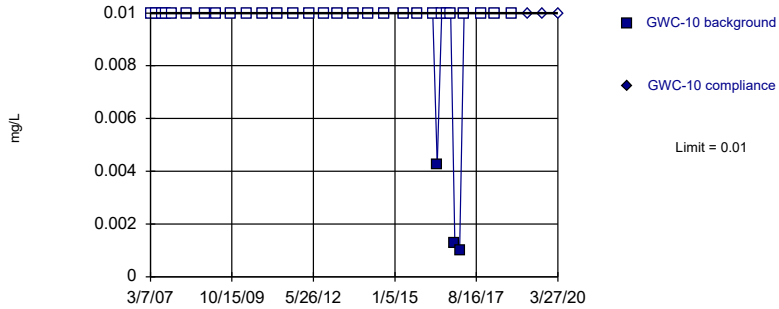
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

### Prediction Limit Intrawell Non-parametric

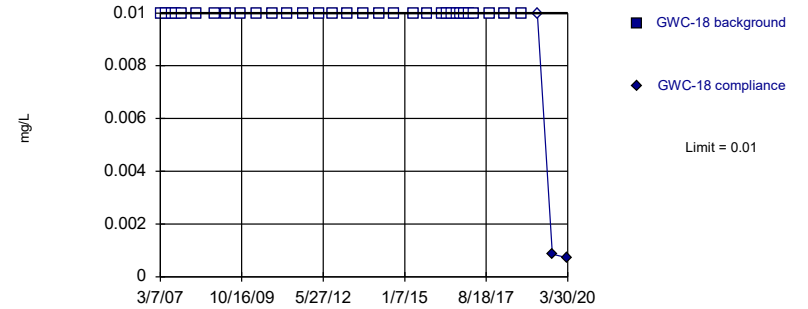


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

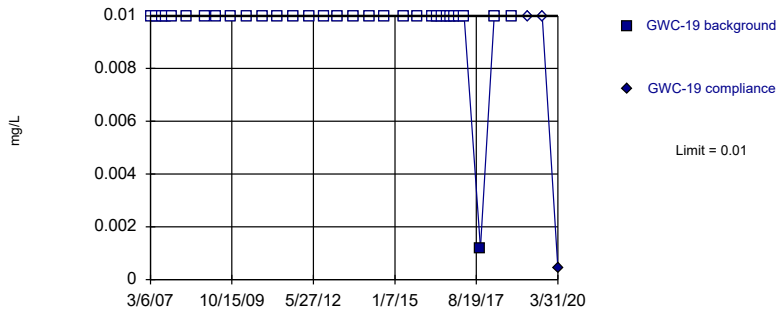


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

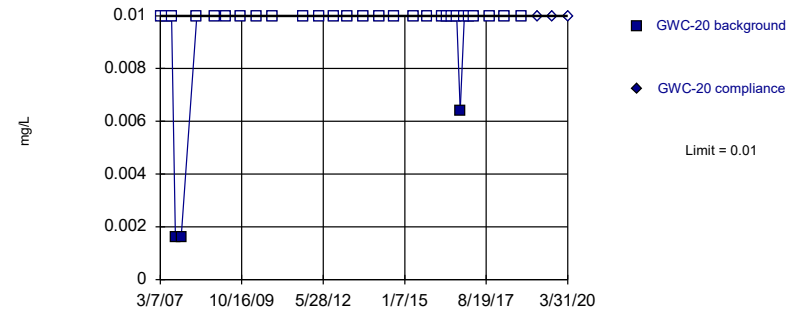


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

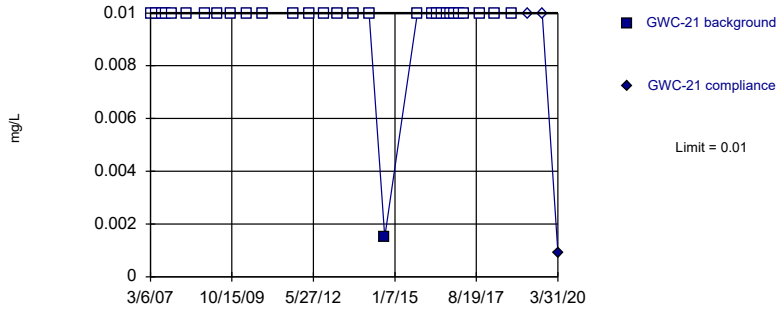


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

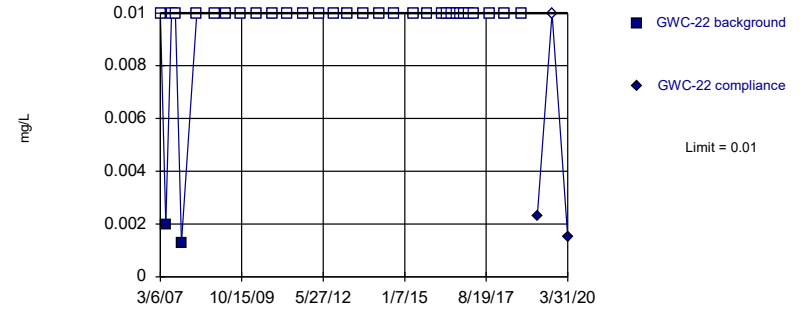


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

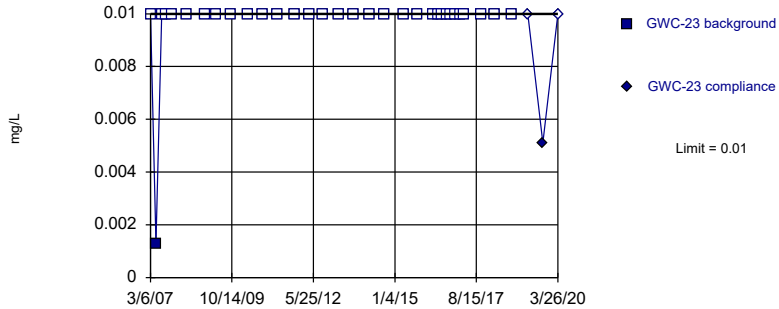


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

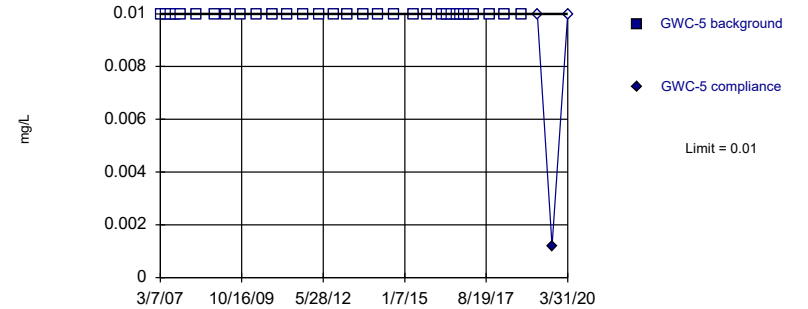


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

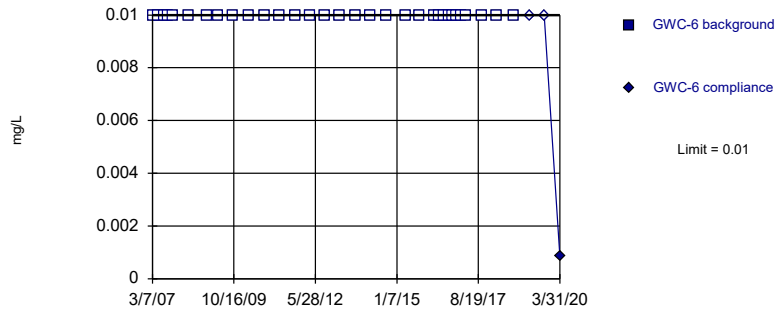


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

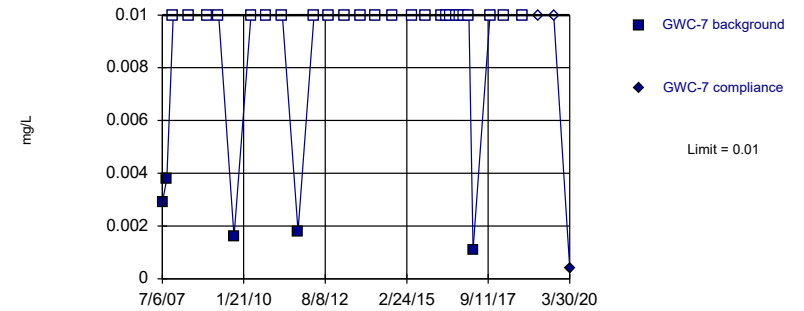


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

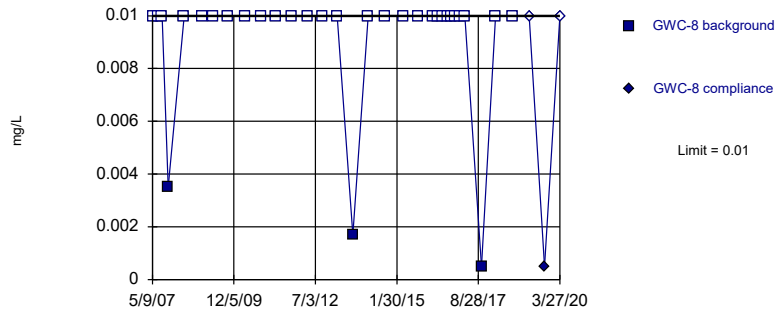


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

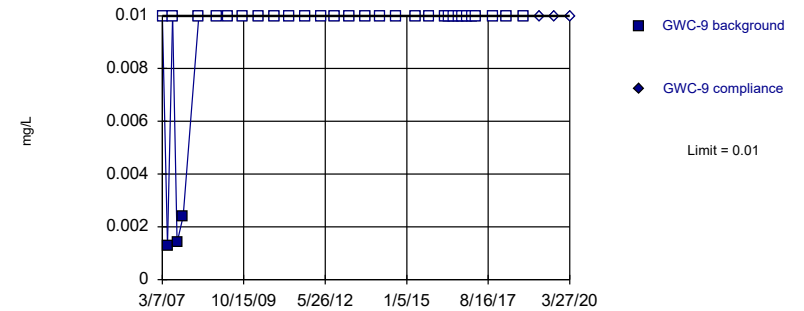


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

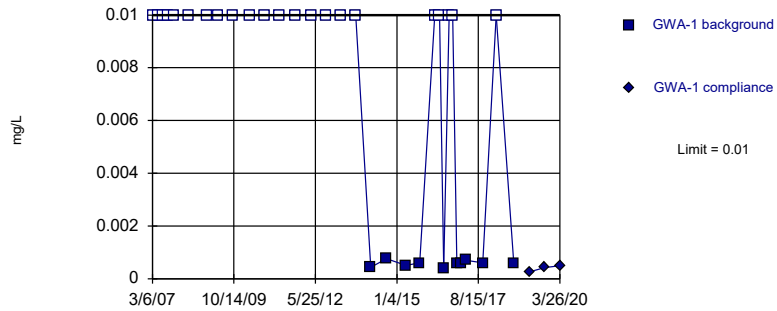


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

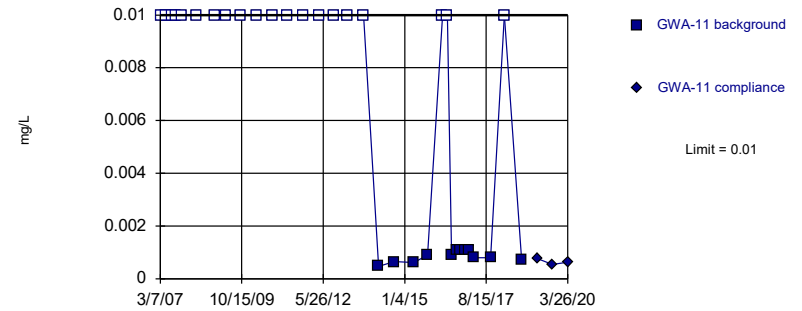


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

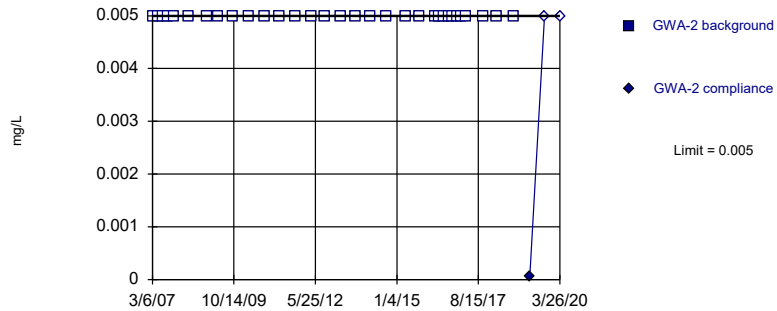


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

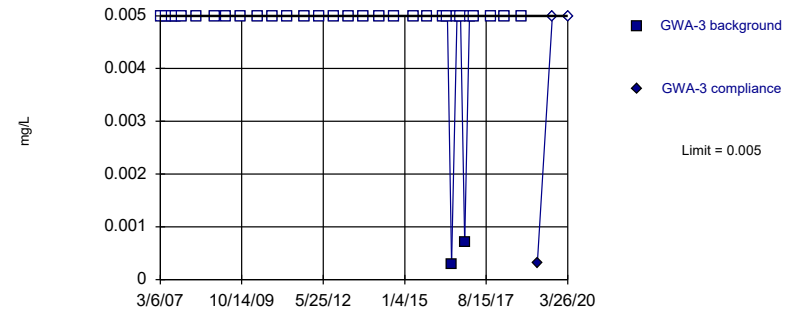


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

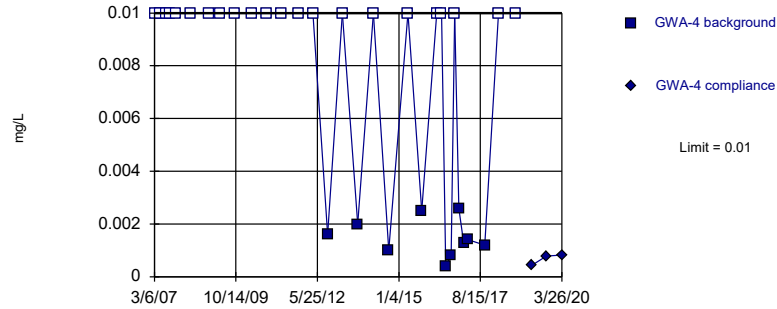


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

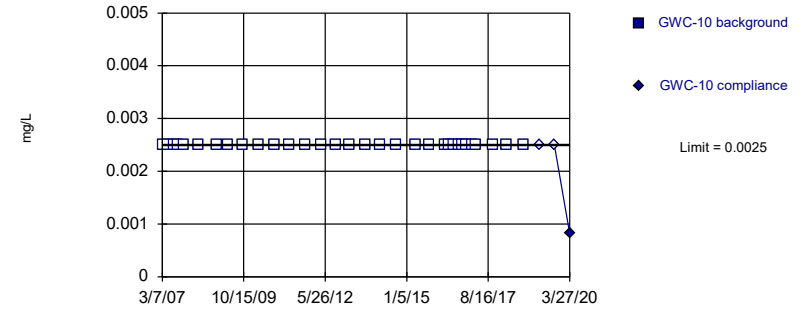


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

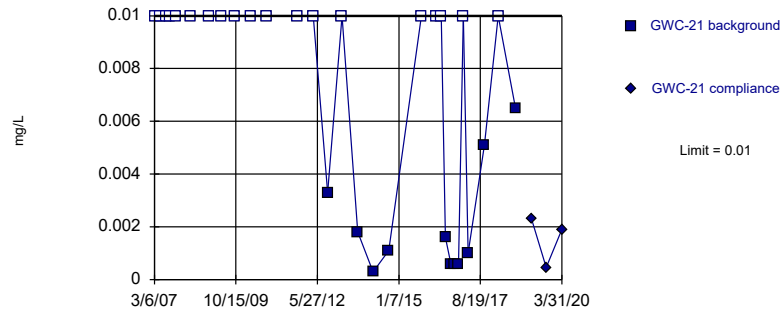


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

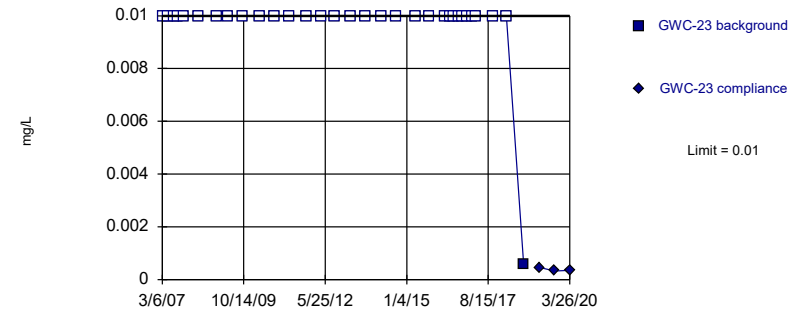


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 63.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

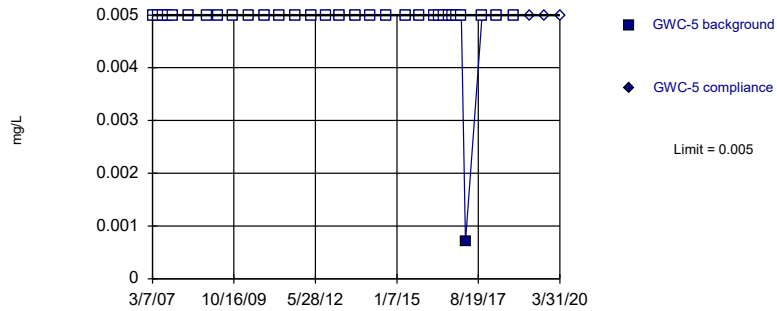


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

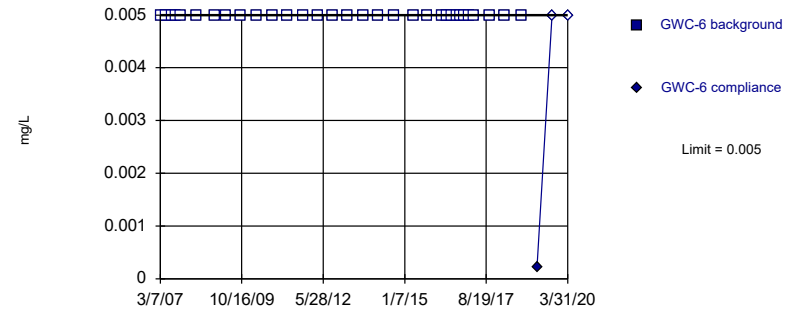


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

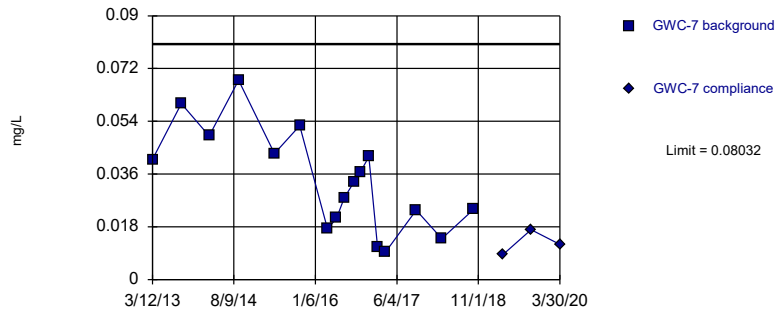


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

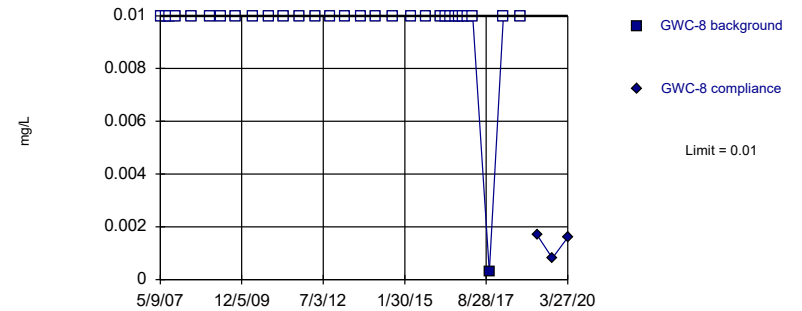


Background Data Summary: Mean=0.03376, Std. Dev.=0.01735, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.851. Kappa = 2.684 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

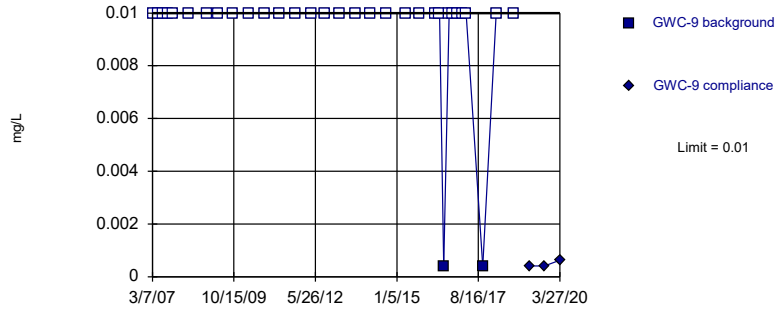


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

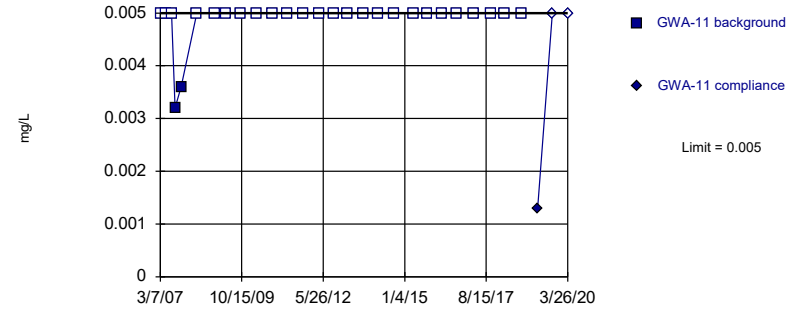


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 5/28/2020 4:00 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

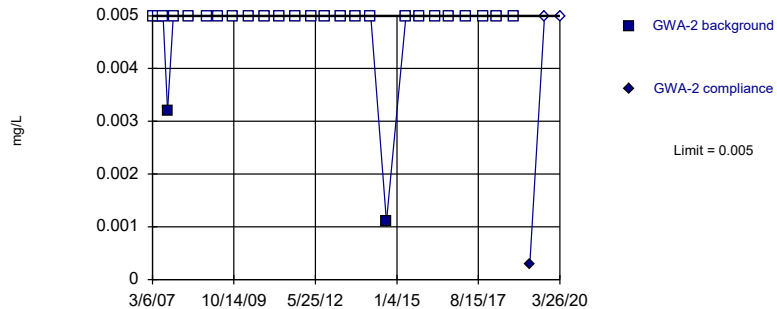


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:00 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

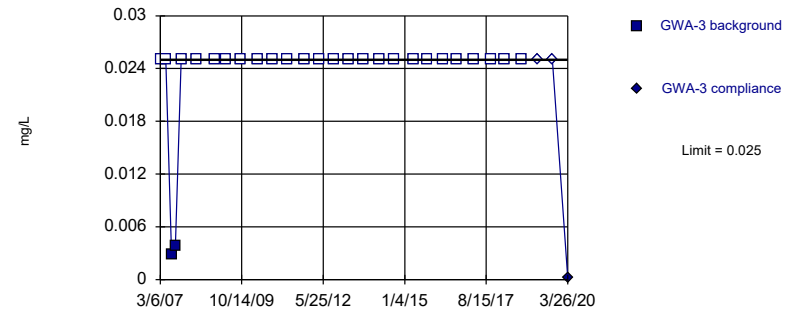


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:00 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

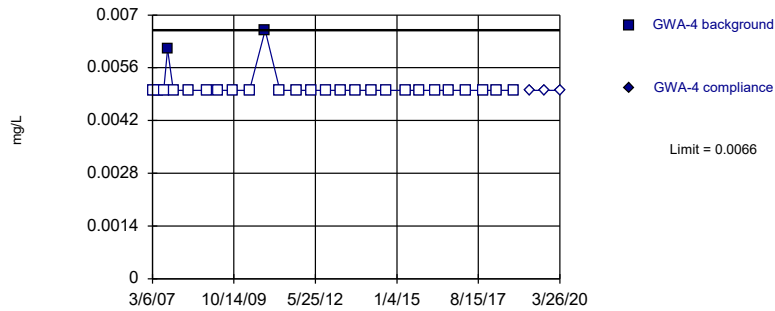


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

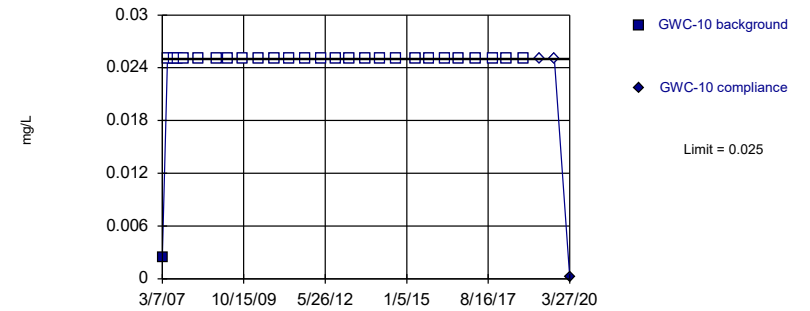


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

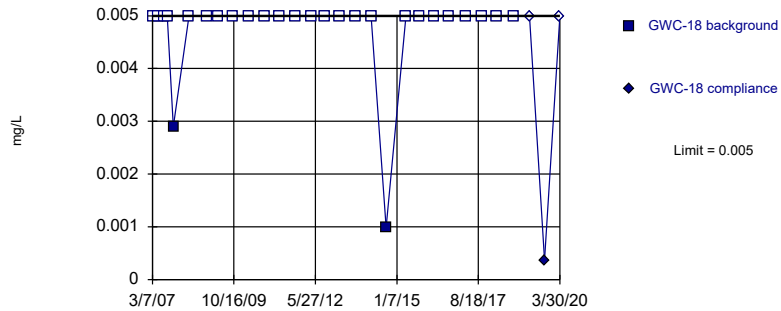


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

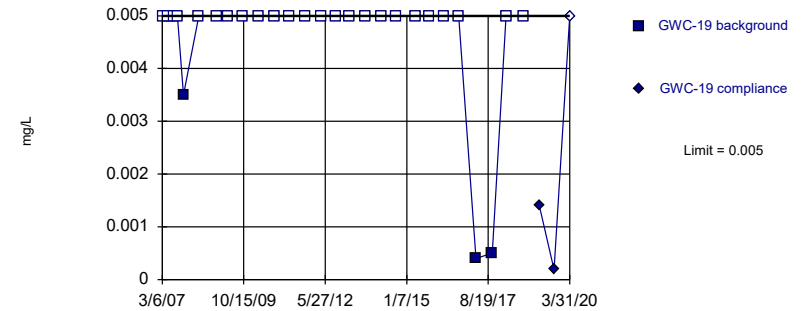


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



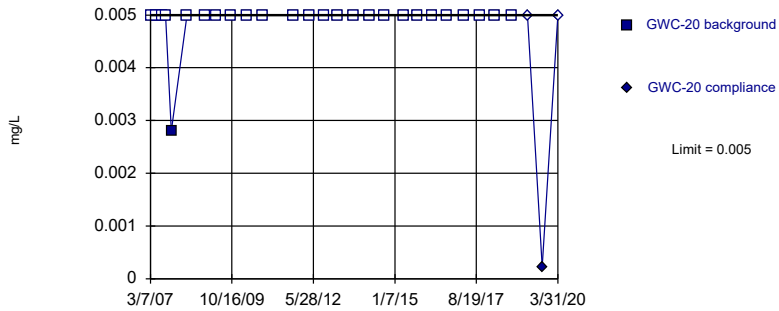
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

### Prediction Limit Intrawell Non-parametric

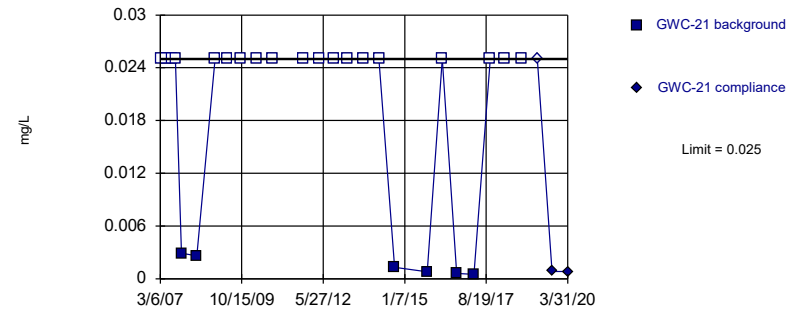


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

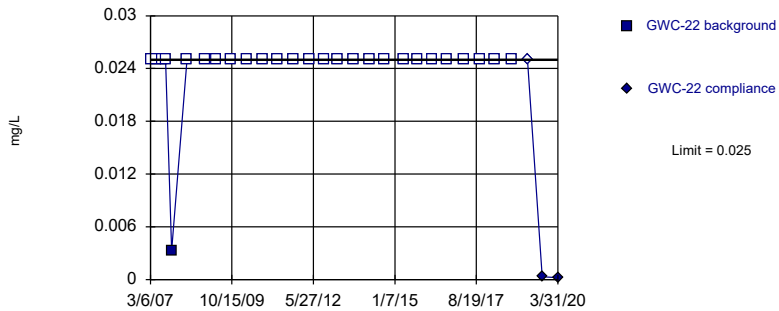


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 76% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

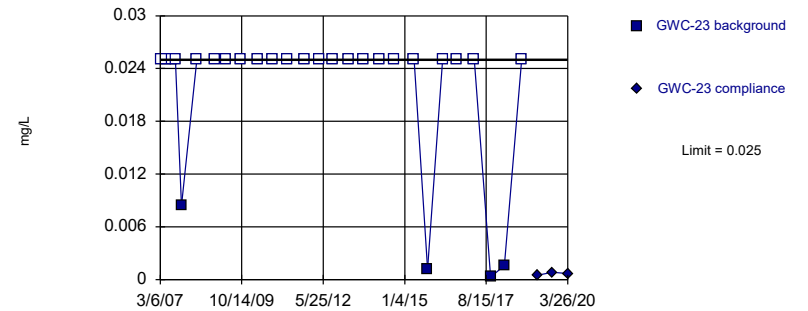


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

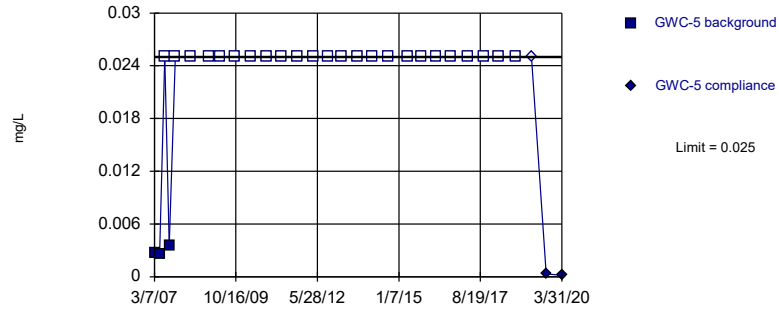


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

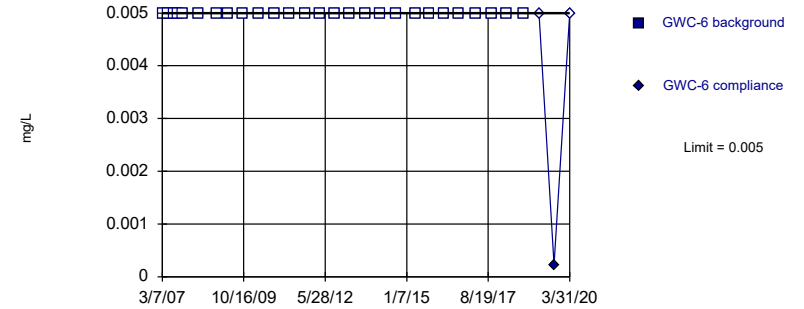


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

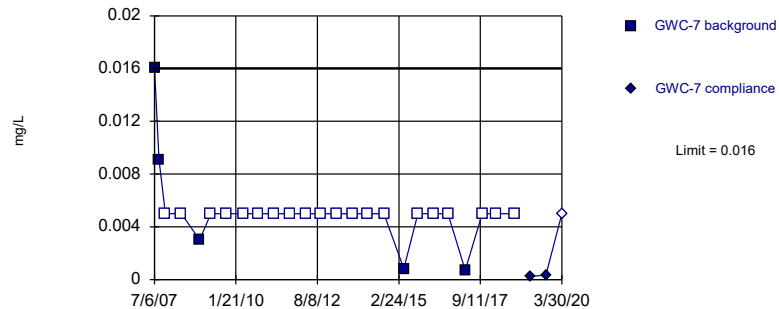


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

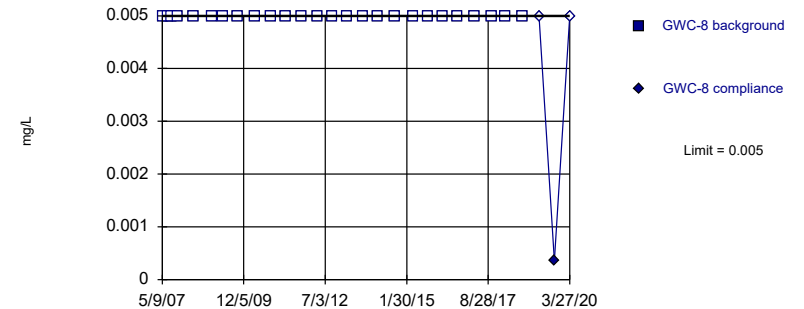


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

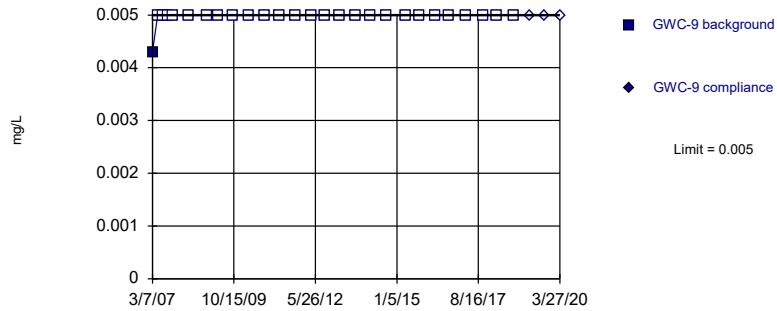


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

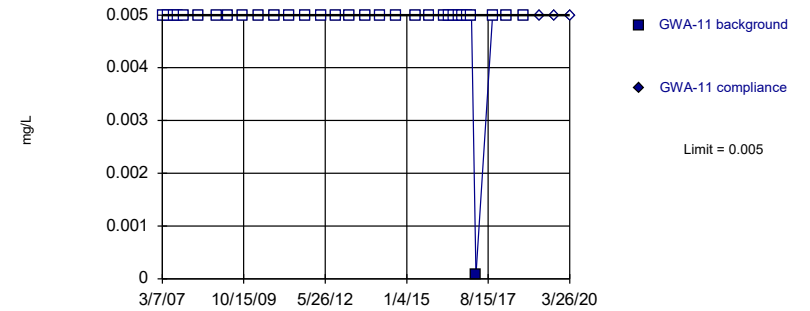


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

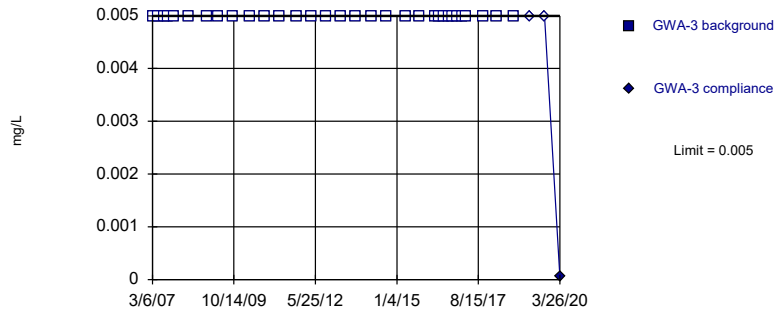


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

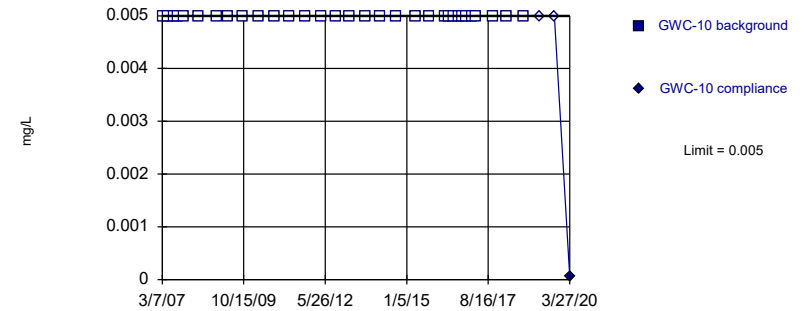


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

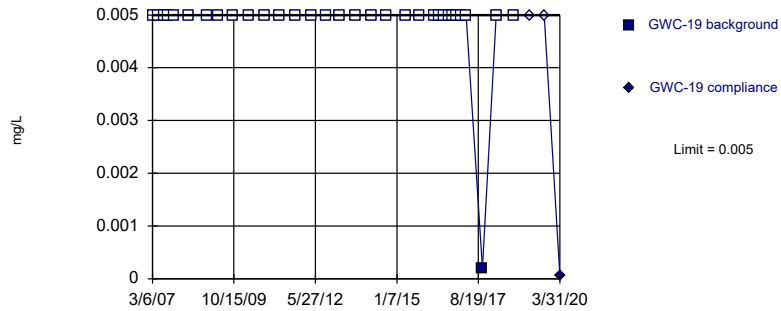


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

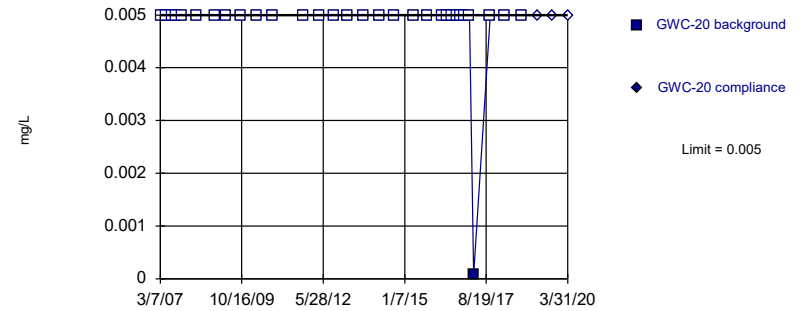


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

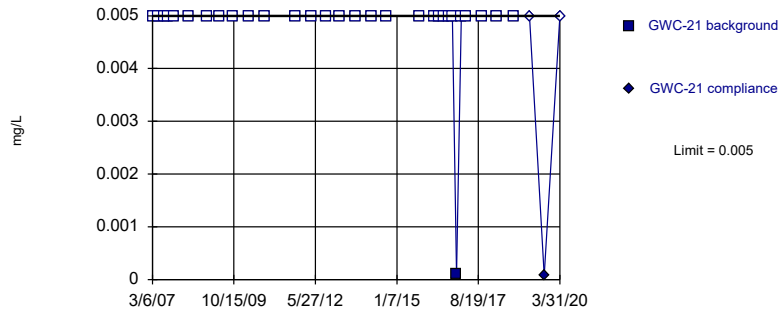


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

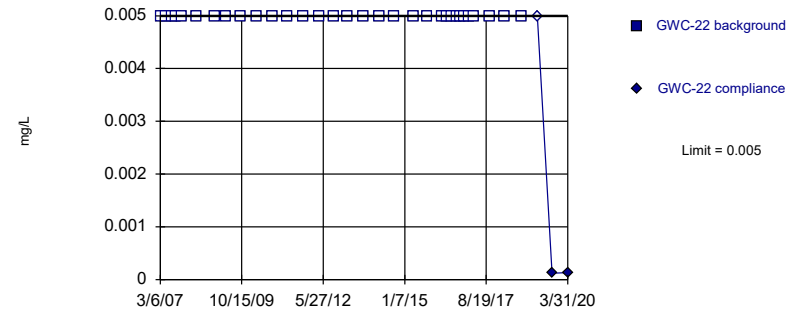


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

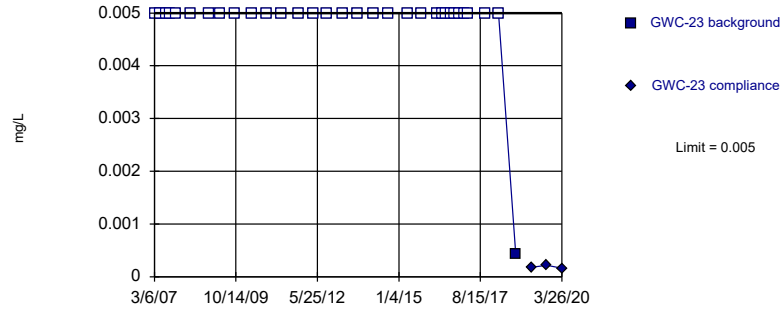


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

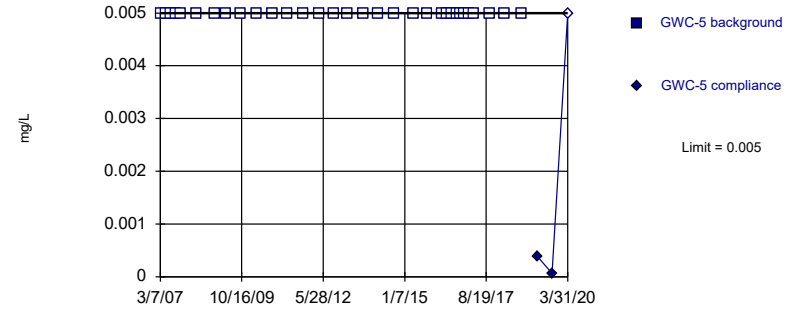


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

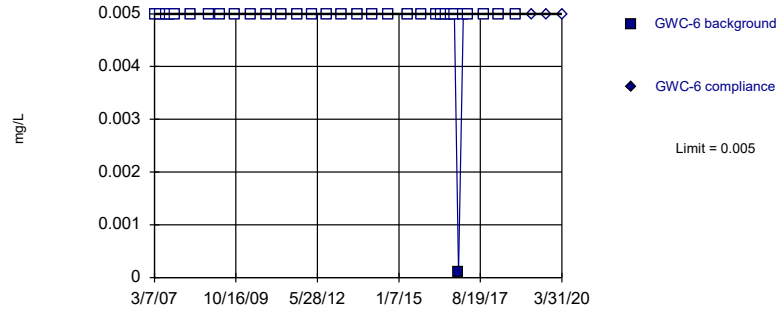


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

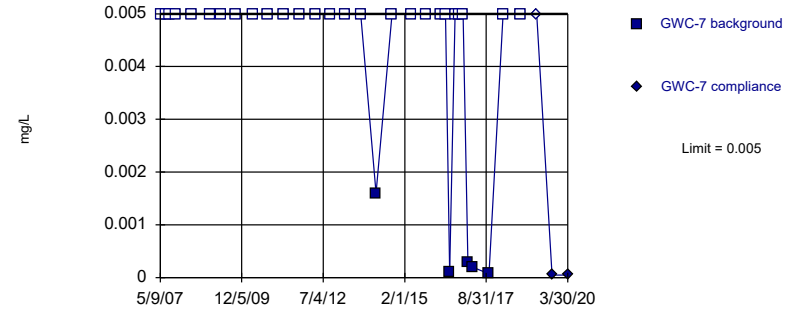


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

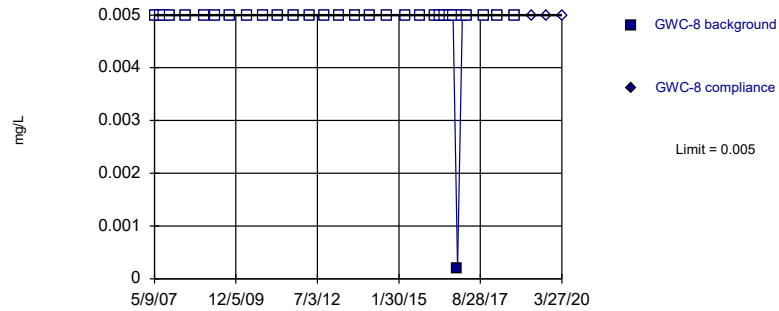


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 83.87% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

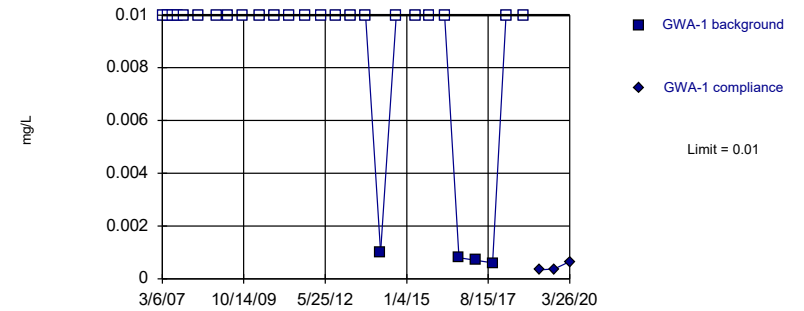


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

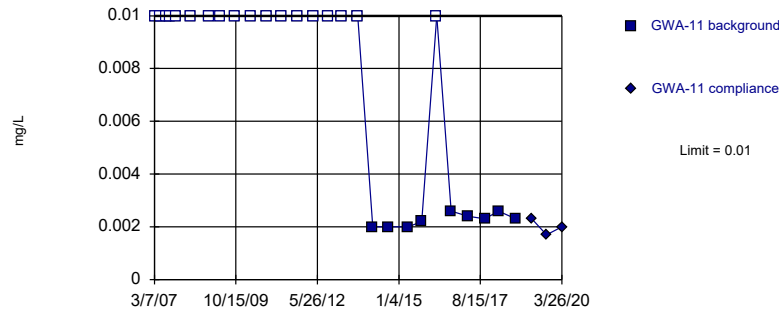


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

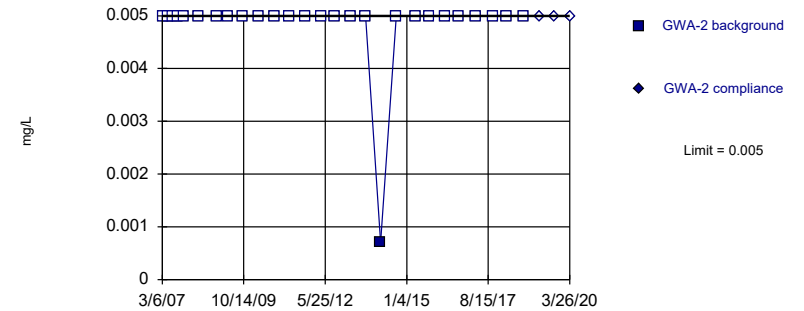


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

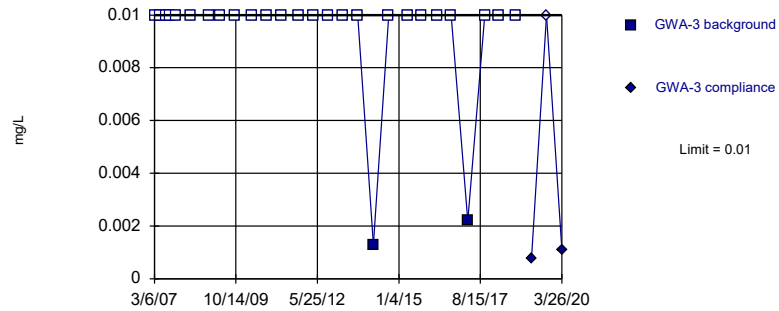


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

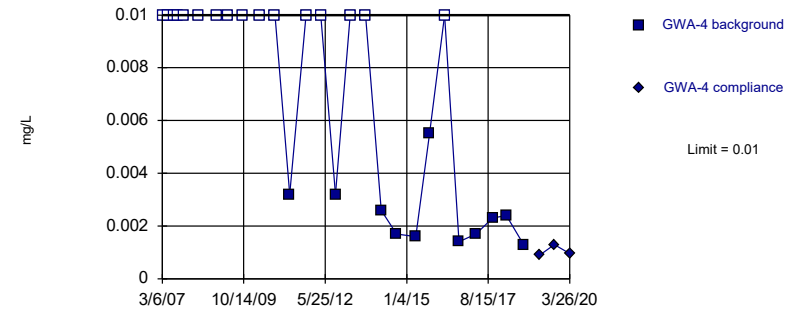


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

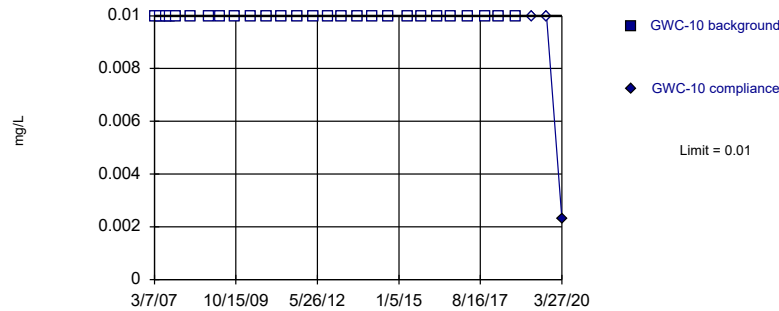


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 59.26% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

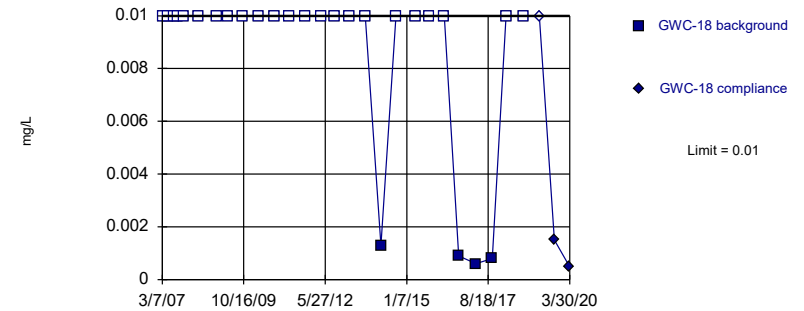


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

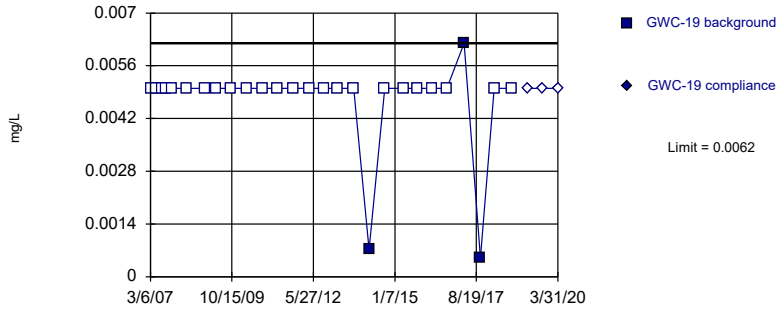


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

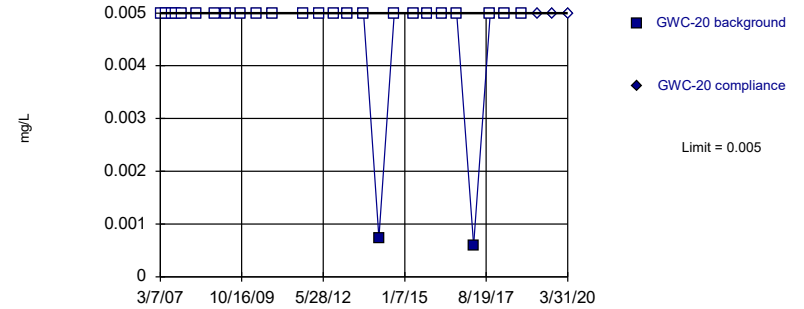


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

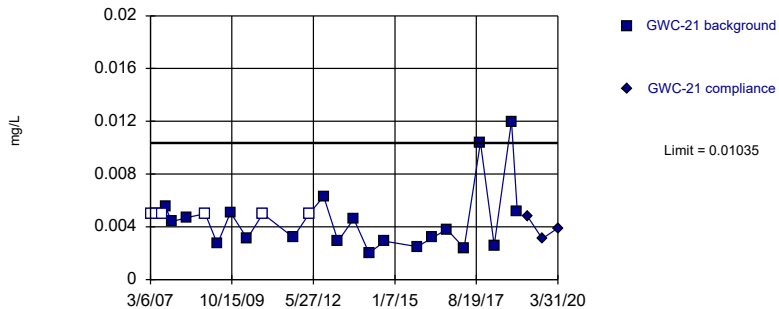


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

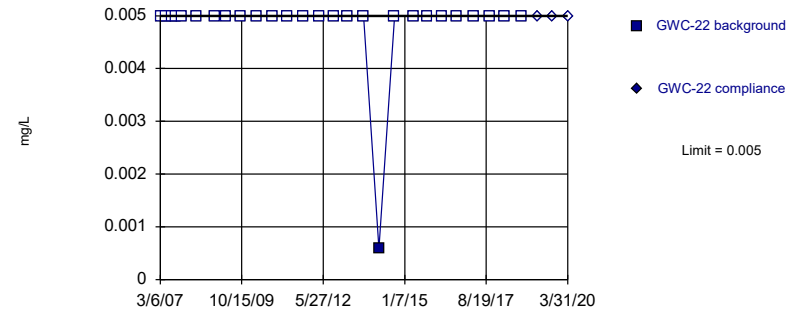


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1566, Std. Dev.=0.02496, n=26, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8923, critical = 0.891. Kappa = 2.456 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



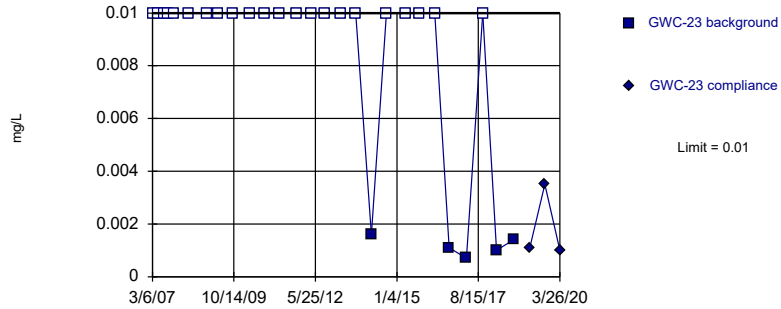
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

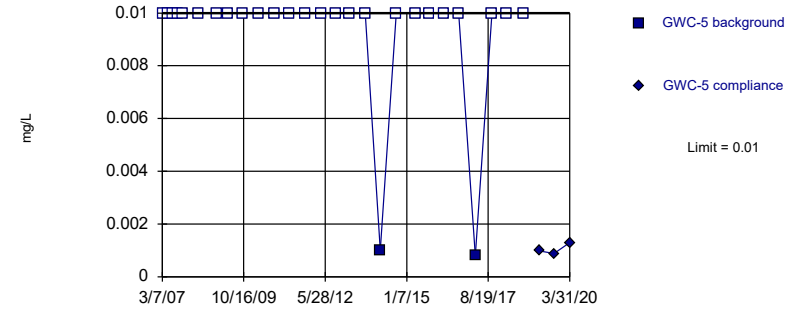


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

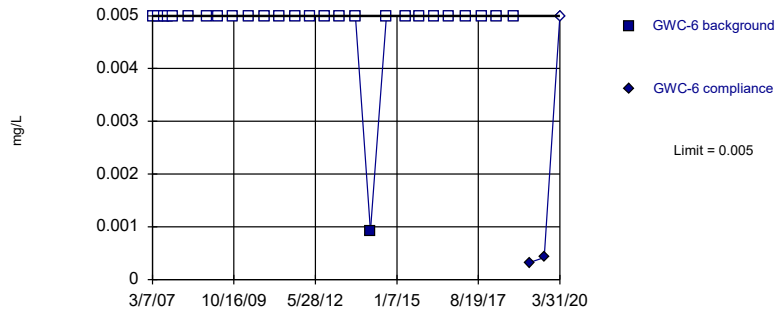


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

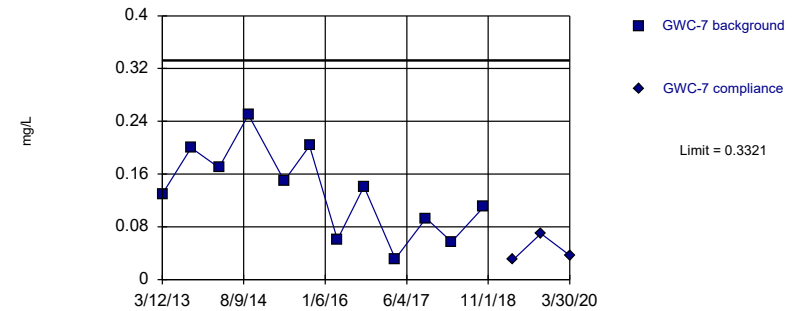


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

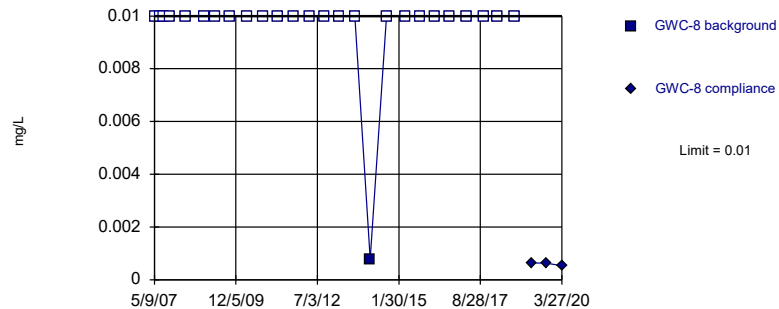


Background Data Summary: Mean=0.133, Std. Dev.=0.06625, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9771, critical = 0.805. Kappa = 3.005 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

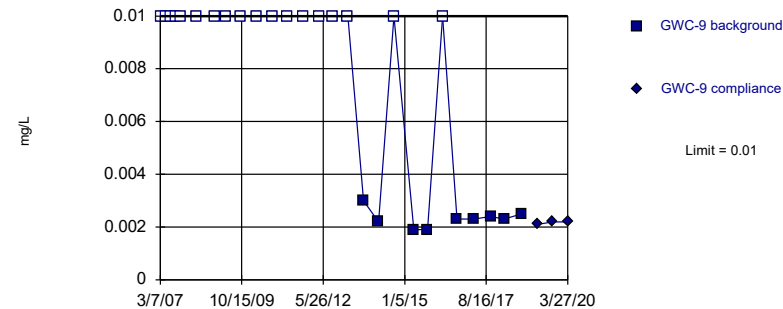


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

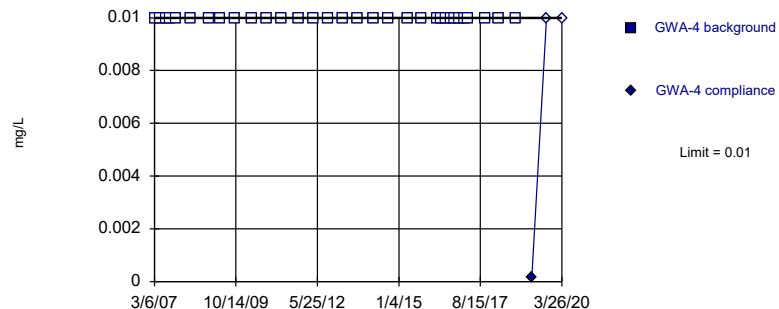


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

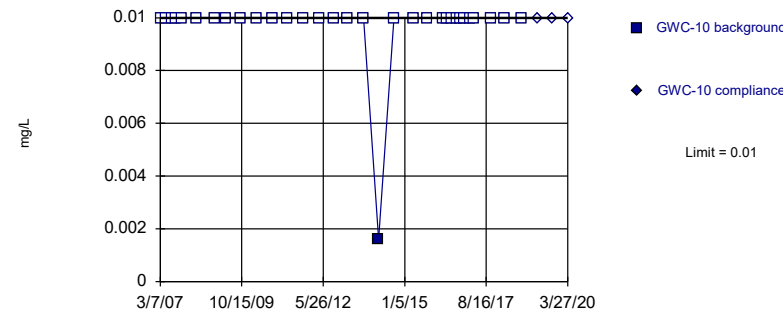


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

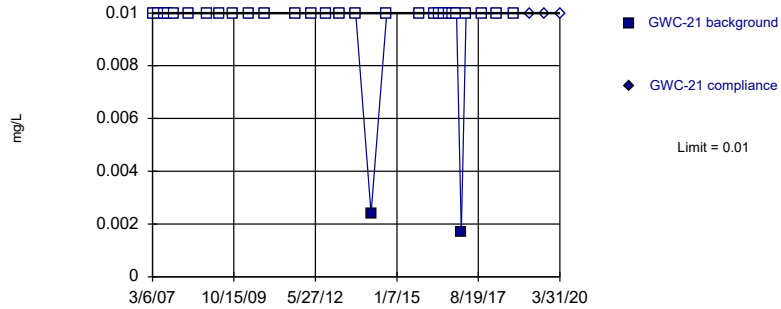


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

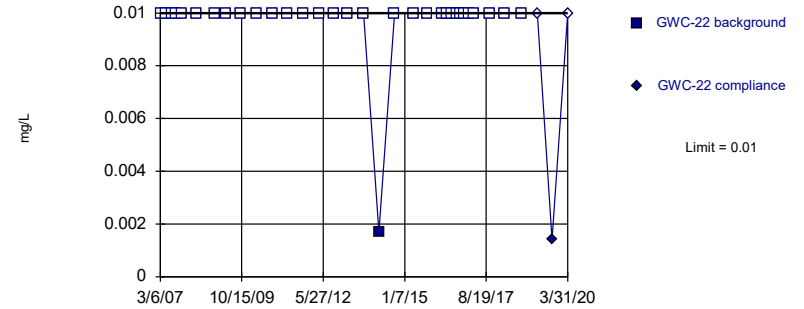


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

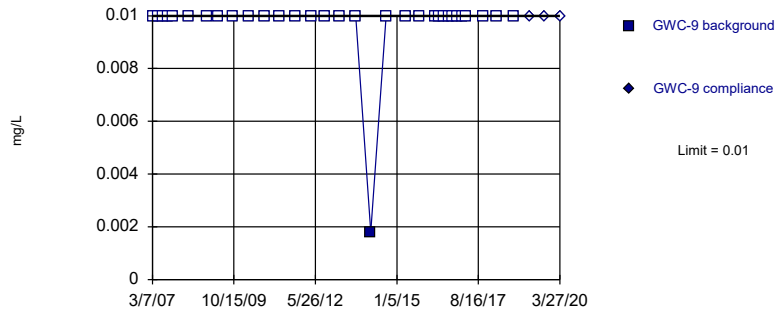


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

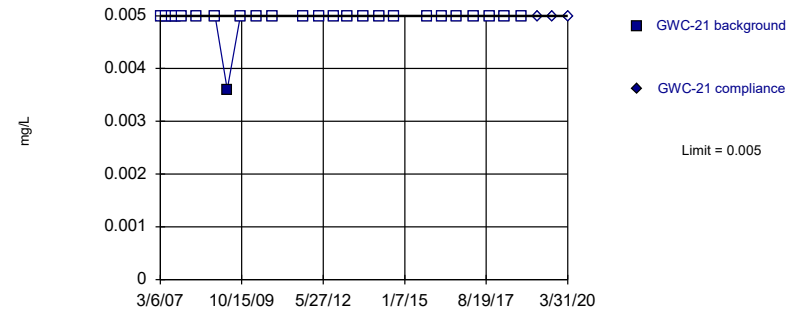


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

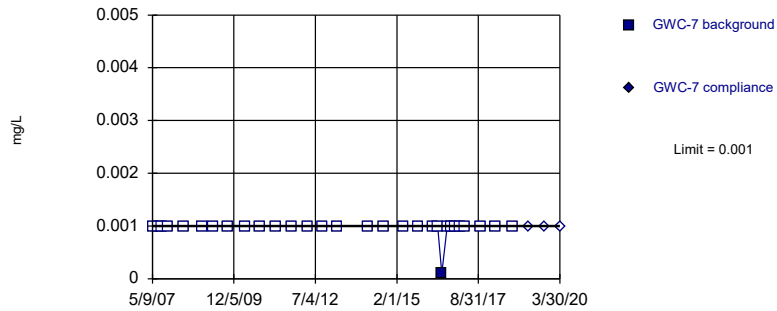


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Silver Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

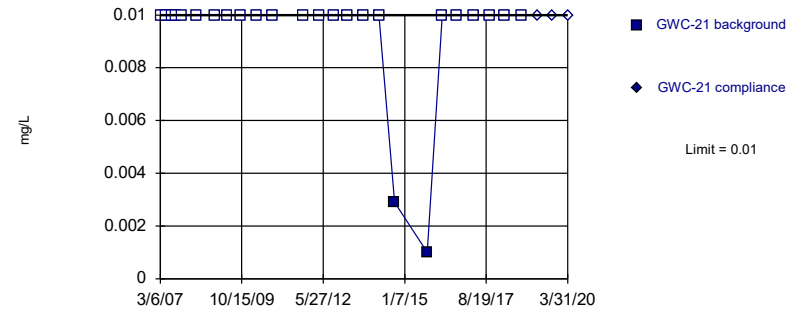


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

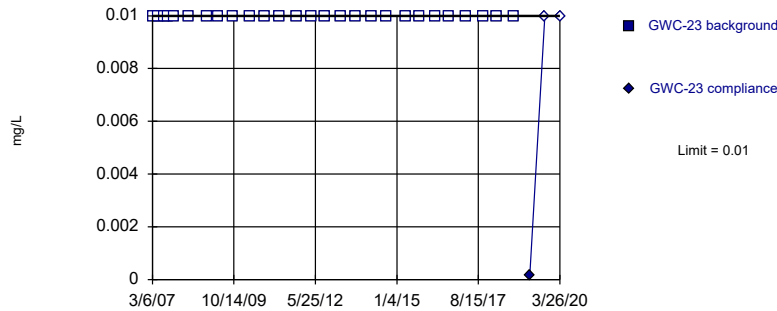


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Vanadium Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

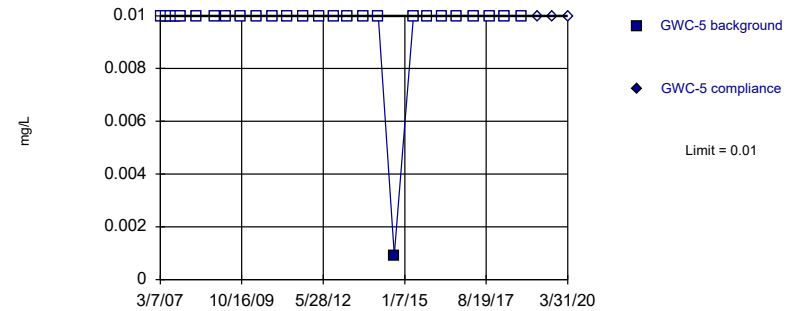


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

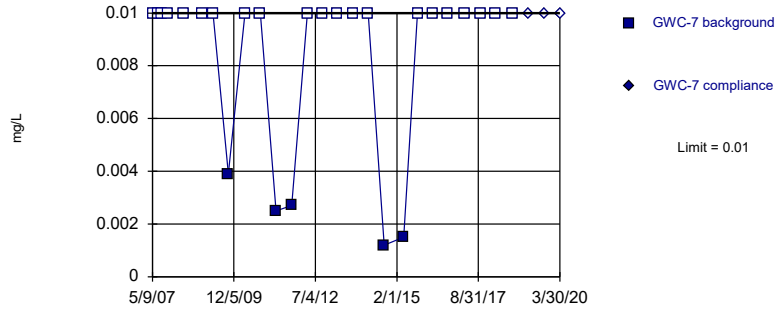


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

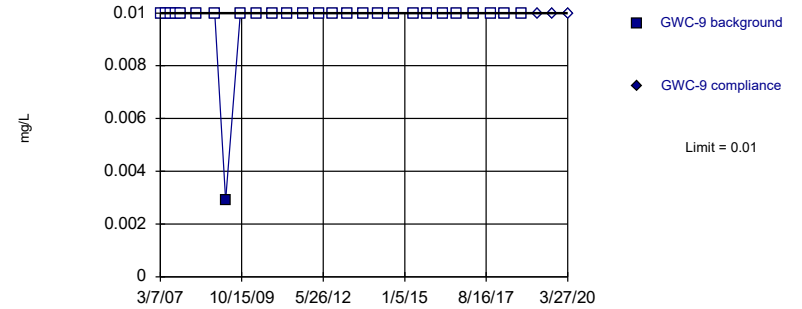


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Vanadium Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

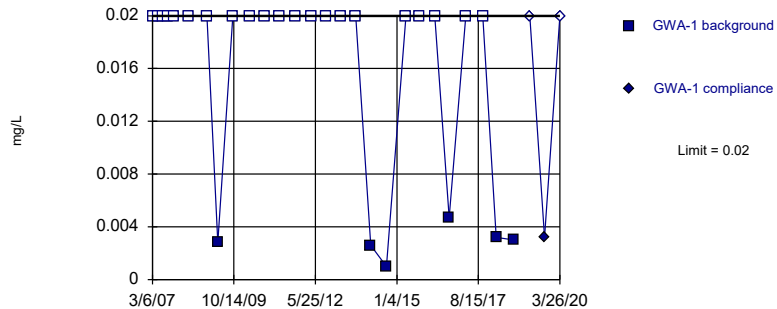


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

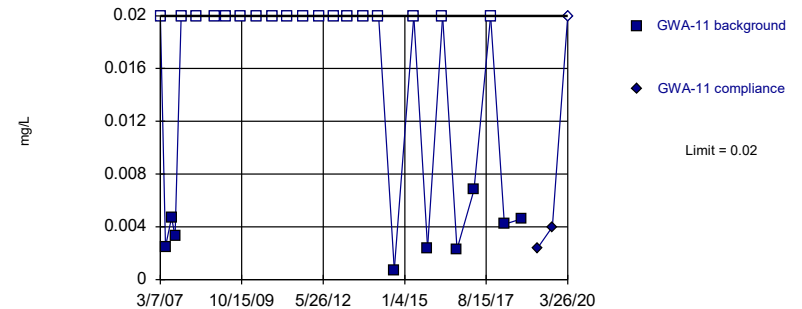


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

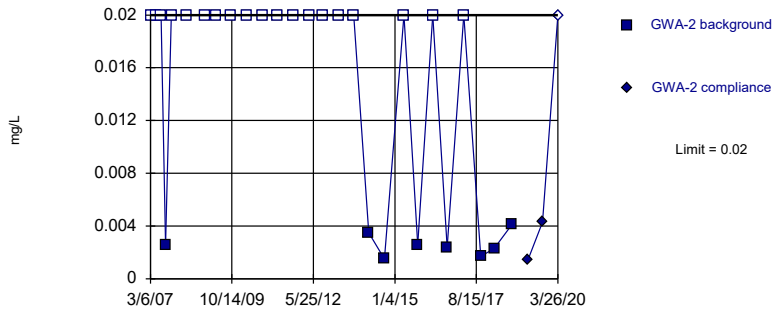


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

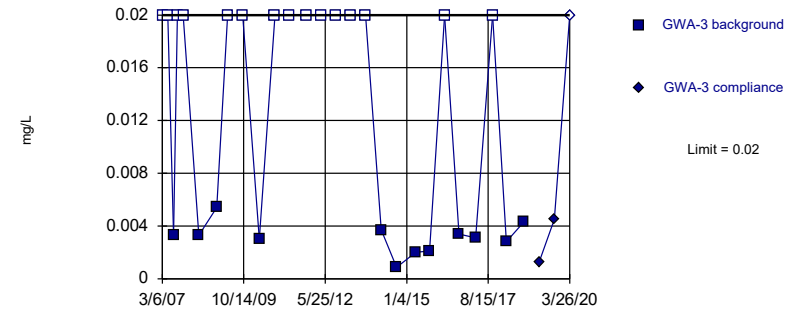


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

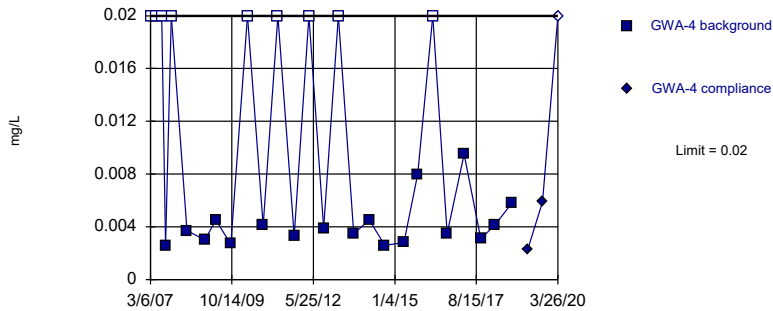


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

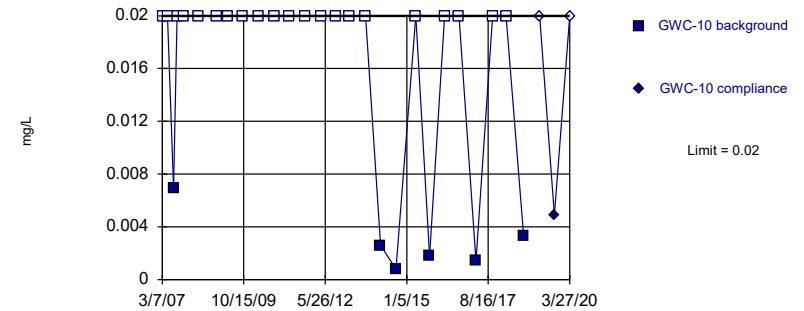


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

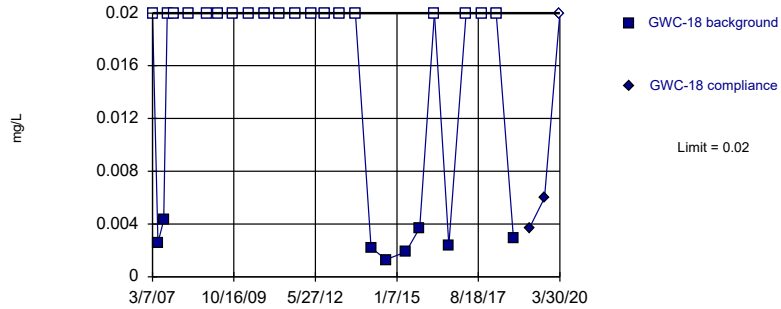


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

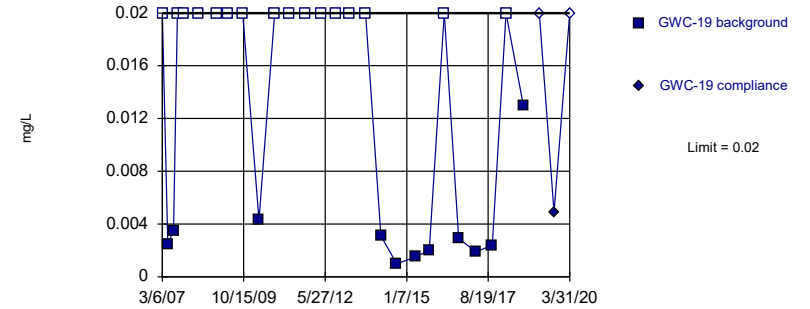


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

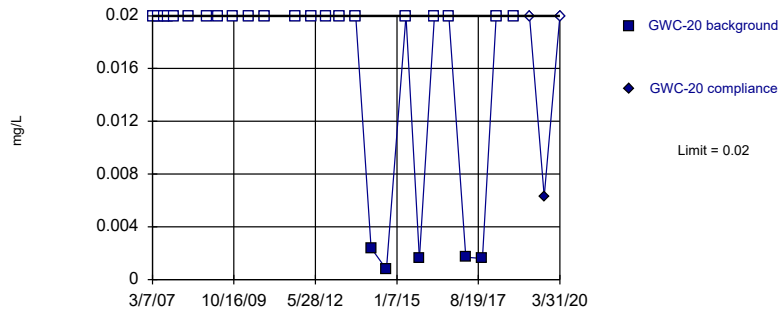


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 59.26% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

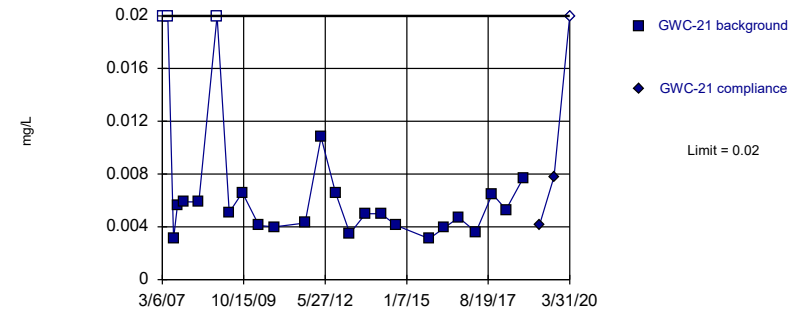


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

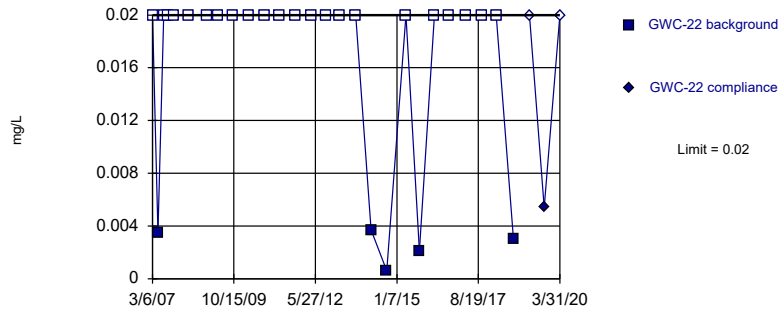


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 12% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

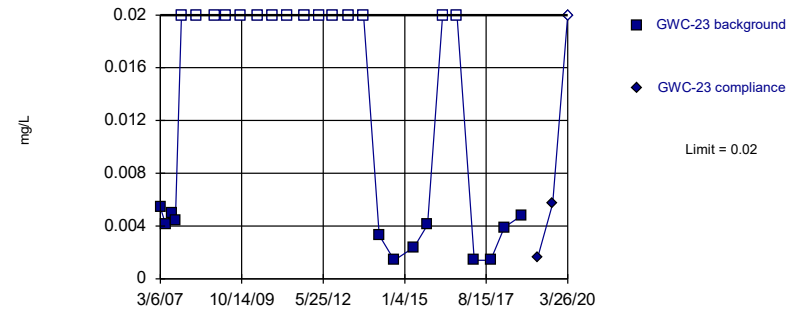


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

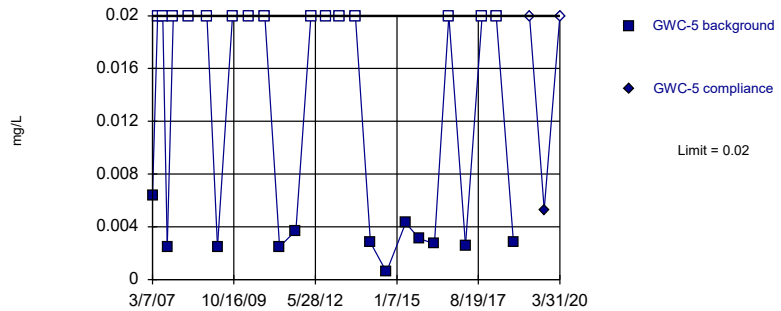


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

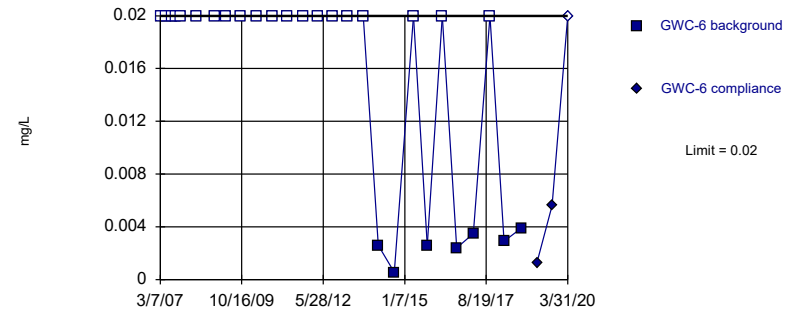


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric



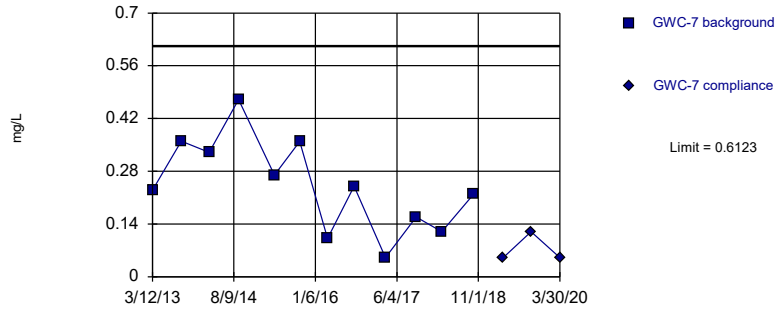
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

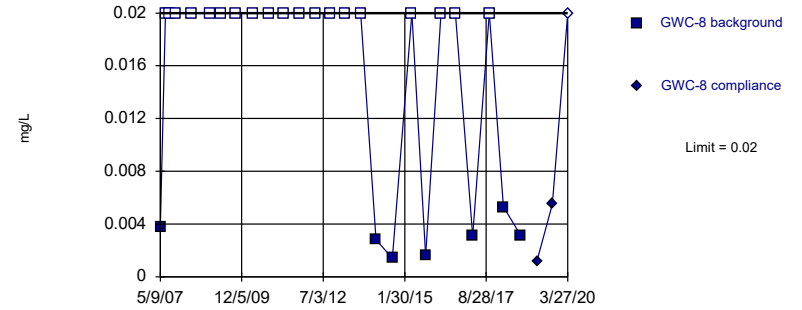


Background Data Summary: Mean=0.2426, Std. Dev.=0.123, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9762, critical = 0.805. Kappa = 3.005 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



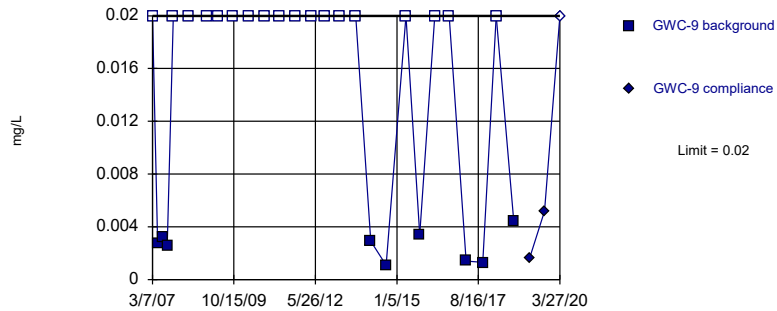
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 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 5/28/2020 4:01 PM View: State Parameters  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/28/2020 4:08 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)



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/28/2020 4:08 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	
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



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/28/2020 4:08 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	8E-05 (J)	
9/29/2015	<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	
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

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-7	GWC-7
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	<0.003	
9/10/2013	<0.003	
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	<0.003	
5/18/2016	<0.003	
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	<0.003	
3/24/2017	<0.003	
10/4/2017	0.0001 (J)	
3/15/2018	<0.003	
10/4/2018	0.0002 (J)	
4/8/2019		5.8E-05 (J)
10/1/2019		0.0001 (J)
3/30/2020		<0.003

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.0025	
5/8/2007	<0.0025	
7/17/2007	<0.0025	
8/28/2007	<0.0025	
11/6/2007	<0.0025	
5/8/2008	<0.0025	
12/3/2008	<0.0025	
4/7/2009	<0.0025	
10/2/2009	<0.0025	
4/14/2010	<0.0025	
10/14/2010	<0.0025	
4/5/2011	<0.0025	
10/12/2011	<0.0025	
4/4/2012	<0.0025	
9/24/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/11/2014	<0.0025	
9/8/2014	<0.0025	
4/21/2015	<0.0025	
9/29/2015	<0.0025	
3/22/2016	<0.0025	
5/17/2016	<0.0025	
7/6/2016	<0.0025	
9/7/2016	<0.0025	
10/18/2016	<0.0025	
12/6/2016	<0.0025	
2/1/2017	0.0001 (J)	
3/24/2017	<0.0025	
10/4/2017	<0.0025	
3/15/2018	<0.0025	
10/4/2018	<0.0025	
4/8/2019		<0.0025
9/30/2019		<0.0025
3/26/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.0025	
7/17/2007	<0.0025	
8/28/2007	<0.0025	
11/7/2007	<0.0025	
5/9/2008	<0.0025	
12/2/2008	<0.0025	
4/8/2009	<0.0025	
10/1/2009	<0.0025	
4/14/2010	<0.0025	
10/13/2010	<0.0025	
4/6/2011	<0.0025	
10/4/2011	<0.0025	
4/10/2012	<0.0025	
9/26/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/4/2014	<0.0025	
9/3/2014	<0.0025	
4/21/2015	<0.0025	
9/30/2015	<0.0025	
3/23/2016	<0.0025	
5/17/2016	<0.0025	
7/6/2016	<0.0025	
9/7/2016	<0.0025	
10/18/2016	<0.0025	
12/6/2016	<0.0025	
2/2/2017	9E-05 (J)	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/15/2018	<0.0025	
10/4/2018	<0.0025	
4/9/2019		<0.0025
10/1/2019		<0.0025
3/27/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.0025	
5/9/2007	<0.0025	
7/17/2007	<0.0025	
8/28/2007	<0.0025	
11/7/2007	<0.0025	
5/7/2008	<0.0025	
12/3/2008	<0.0025	
4/14/2009	<0.0025	
10/1/2009	<0.0025	
4/13/2010	<0.0025	
10/12/2010	<0.0025	
4/6/2011	<0.0025	
10/12/2011	<0.0025	
4/5/2012	<0.0025	
9/19/2012	<0.0025	
3/13/2013	<0.0025	
9/10/2013	<0.0025	
3/10/2014	<0.0025	
9/3/2014	<0.0025	
4/22/2015	<0.0025	
9/30/2015	<0.0025	
3/24/2016	<0.0025	
5/18/2016	<0.0025	
7/7/2016	<0.0025	
9/8/2016	<0.0025	
10/19/2016	<0.0025	
12/8/2016	<0.0025	
2/2/2017	8E-05 (J)	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/16/2018	<0.0025	
10/5/2018	<0.0025	
4/9/2019		<0.0025
10/1/2019		<0.0025
3/30/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.0025	
5/9/2007	<0.0025	
7/17/2007	<0.0025	
8/29/2007	<0.0025	
11/7/2007	<0.0025	
5/7/2008	<0.0025	
12/5/2008	<0.0025	
4/14/2009	<0.0025	
9/30/2009	<0.0025	
4/13/2010	<0.0025	
10/12/2010	<0.0025	
10/12/2011	<0.0025	
4/9/2012	<0.0025	
9/25/2012	<0.0025	
3/13/2013	<0.0025	
9/11/2013	<0.0025	
3/10/2014	<0.0025	
9/9/2014	<0.0025	
4/23/2015	<0.0025	
9/30/2015	<0.0025	
3/23/2016	<0.0025	
5/18/2016	<0.0025	
7/7/2016	<0.0025	
9/8/2016	<0.0025	
10/19/2016	<0.0025	
12/7/2016	<0.0025	
2/3/2017	<0.0025	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/16/2018	<0.0025	
10/5/2018	0.00011 (J)	
4/9/2019		<0.0025
10/1/2019		<0.0025
3/31/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.0025	
5/9/2007	<0.0025	
7/17/2007	<0.0025	
8/29/2007	<0.0025	
11/7/2007	<0.0025	
5/7/2008	<0.0025	
12/5/2008	<0.0025	
4/27/2009	<0.0025	
9/30/2009	<0.0025	
4/13/2010	<0.0025	
10/12/2010	<0.0025	
10/5/2011	<0.0025	
4/10/2012	<0.0025	
9/26/2012	<0.0025	
3/13/2013	<0.0025	
9/11/2013	<0.0025	
3/11/2014	<0.0025	
9/9/2014	<0.0025	
9/30/2015	<0.0025	
3/24/2016	<0.0025	
5/18/2016	<0.0025	
7/7/2016	0.0001 (J)	
9/8/2016	<0.0025	
10/19/2016	<0.0025	
12/7/2016	<0.0025	
2/2/2017	0.0001 (J)	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/15/2018	<0.0025	
10/4/2018	<0.0025	
4/9/2019		<0.0025
10/1/2019		<0.0025
3/31/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.0025	
5/9/2007	<0.0025	
7/17/2007	<0.0025	
8/29/2007	<0.0025	
11/7/2007	<0.0025	
5/7/2008	<0.0025	
12/5/2008	<0.0025	
4/14/2009	<0.0025	
10/1/2009	<0.0025	
4/14/2010	<0.0025	
10/13/2010	<0.0025	
4/6/2011	<0.0025	
10/12/2011	<0.0025	
4/9/2012	<0.0025	
9/19/2012	<0.0025	
3/13/2013	<0.0025	
9/10/2013	<0.0025	
3/11/2014	<0.0025	
9/3/2014	<0.0025	
4/23/2015	<0.0025	
9/30/2015	<0.0025	
3/23/2016	<0.0025	
5/19/2016	<0.0025	
7/7/2016	<0.0025	
9/8/2016	<0.0025	
10/19/2016	<0.0025	
12/7/2016	<0.0025	
2/3/2017	8E-05 (J)	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/15/2018	<0.0025	
10/5/2018	<0.0025	
4/8/2019		<0.0025
10/1/2019		<0.0025
3/26/2020		<0.0025



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.0025	
7/6/2007	<0.0025	
8/28/2007	<0.0025	
11/6/2007	<0.0025	
5/8/2008	<0.0025	
12/3/2008	<0.0025	
4/7/2009	<0.0025	
10/1/2009	<0.0025	
4/14/2010	<0.0025	
10/14/2010	<0.0025	
4/5/2011	<0.0025	
10/12/2011	<0.0025	
4/4/2012	<0.0025	
9/24/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/5/2014	<0.0025	
9/9/2014	<0.0025	
4/21/2015	<0.0025	
9/29/2015	<0.0025	
3/23/2016	<0.0025	
5/17/2016	<0.0025	
7/6/2016	<0.0025	
9/7/2016	<0.0025	
10/18/2016	<0.0025	
12/8/2016	<0.0025	
2/1/2017	<0.0025	
3/23/2017	<0.0025	
10/4/2017	<0.0025	
3/16/2018	<0.0025	
10/4/2018	<0.0025	
4/9/2019		<0.0025
10/1/2019		<0.0025
3/31/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/28/2020 4:08 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	
8/28/2007	0.0035	
11/6/2007	0.0028	
5/8/2008	<0.0025	
12/2/2008	<0.0025	
4/8/2009	0.0013	
10/1/2009	<0.0025	
4/13/2010	<0.0025	
10/7/2010	<0.0025	
4/5/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.0025	
9/18/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/5/2014	<0.0025	
9/8/2014	<0.0025	
4/21/2015	0.0015	
9/29/2015	<0.0025	
3/23/2016	<0.0025	
5/18/2016	<0.0025	
7/6/2016	<0.0025	
9/7/2016	<0.0025	
10/18/2016	<0.0025	
12/8/2016	<0.0025	
2/2/2017	0.0001 (J)	
3/24/2017	<0.0025	
10/4/2017	<0.0025	
3/15/2018	<0.0025	
10/4/2018	<0.0025	
4/8/2019		<0.0025
10/1/2019		<0.0025
3/30/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.0025	
7/6/2007	<0.0025	
8/28/2007	<0.0025	
11/6/2007	<0.0025	
5/8/2008	<0.0025	
12/2/2008	<0.0025	
4/8/2009	<0.0025	
9/30/2009	<0.0025	
4/13/2010	<0.0025	
10/13/2010	<0.0025	
4/5/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.0025	
9/19/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/5/2014	<0.0025	
9/9/2014	<0.0025	
4/22/2015	<0.0025	
9/29/2015	<0.0025	
3/23/2016	<0.0025	
5/18/2016	<0.0025	
7/6/2016	<0.0025	
9/8/2016	<0.0025	
10/18/2016	<0.0025	
12/8/2016	<0.0025	
2/2/2017	8E-05 (J)	
3/24/2017	<0.0025	
10/5/2017	<0.0025	
3/14/2018	<0.0025	
10/4/2018	<0.0025	
4/8/2019		<0.0025
10/1/2019		<0.0025
3/27/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.0025	
5/8/2007	<0.0025	
7/6/2007	<0.0025	
8/28/2007	<0.0025	
11/6/2007	<0.0025	
5/8/2008	<0.0025	
12/2/2008	<0.0025	
4/8/2009	<0.0025	
9/30/2009	<0.0025	
4/13/2010	<0.0025	
10/13/2010	<0.0025	
4/5/2011	<0.0025	
10/4/2011	<0.0025	
4/4/2012	<0.0025	
9/19/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/5/2014	<0.0025	
9/3/2014	<0.0025	
4/21/2015	0.00029 (J)	
9/29/2015	<0.0025	
3/23/2016	<0.0025	
5/18/2016	<0.0025	
7/6/2016	<0.0025	
9/8/2016	<0.0025	
10/19/2016	<0.0025	
12/8/2016	<0.0025	
2/2/2017	8E-05 (J)	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/15/2018	<0.0025	
10/5/2018	<0.0025	
4/8/2019		<0.0025
10/1/2019		<0.0025
3/27/2020		<0.0025

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	0.00032 (J)	
9/3/2014	<0.01	
4/21/2015	<0.01	
9/30/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/5/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	<0.01	
1/31/2017	<0.01	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/14/2018	0.016	
10/4/2018	<0.01	
4/8/2019		<0.01
9/30/2019		<0.01
3/26/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	0.0013	
11/7/2007	0.0024	
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	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	0.0018 (J)	
2/1/2017	<0.01	
3/24/2017	<0.01	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
9/30/2019		<0.01
3/26/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
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	
4/13/2010	<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	<0.01	
9/3/2014	<0.01	
4/22/2015	<0.01	
9/30/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/5/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/7/2016	<0.01	
1/31/2017	<0.01	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/14/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
9/30/2019		<0.01
3/26/2020		0.00043 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
8/28/2007	<0.01	
11/6/2007	0.0014	
5/8/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	<0.01	
10/2/2009	<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	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/11/2014	<0.01	
9/8/2014	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/5/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	<0.01	
2/1/2017	<0.01	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/5/2019		<0.01
9/30/2019		<0.01
3/26/2020		0.00062 (J)



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.01	
5/8/2007	<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	
10/2/2009	<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	
3/11/2014	<0.01	
9/8/2014	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	<0.01	
2/1/2017	<0.01	
3/24/2017	0.0004 (J)	
10/4/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
9/30/2019		<0.01
3/26/2020		0.0013 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
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	<0.01	
9/3/2014	<0.01	
4/21/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
5/17/2016	0.00424 (J)	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	0.0013 (J)	
2/2/2017	0.001 (J)	
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
3/27/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
7/17/2007	<0.01	
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	<0.01	
9/3/2014	<0.01	
4/22/2015	<0.01	
9/30/2015	<0.01	
3/24/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/8/2016	<0.01	
2/2/2017	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/16/2018	<0.01	
10/5/2018	<0.01	
4/9/2019		<0.01
10/1/2019		0.00086 (J)
3/30/2020		0.00071 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
7/17/2007	<0.01	
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	<0.01	
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	<0.01	
9/9/2014	<0.01	
4/22/2015	<0.01	
9/30/2015	<0.01	
3/24/2016	<0.01	
5/18/2016	<0.01	
7/6/2016	<0.01	
9/8/2016	<0.01	
10/18/2016	<0.01	
12/7/2016	<0.01	
2/2/2017	<0.01	
3/27/2017	<0.01	
10/5/2017	0.0012 (J)	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/9/2019		<0.01
10/1/2019		<0.01
3/31/2020		0.00042 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	0.0016	
11/7/2007	0.0016	
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	<0.01	
9/9/2014	<0.01	
4/23/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	0.0064 (J)	
12/7/2016	<0.01	
2/3/2017	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/16/2018	<0.01	
10/5/2018	<0.01	
4/9/2019		<0.01
10/1/2019		<0.01
3/31/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	0.0015	
9/30/2015	<0.01	
3/24/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/7/2016	<0.01	
2/2/2017	<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		0.00093 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	0.002	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	0.0013	
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	<0.01	
9/9/2014	<0.01	
4/23/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/7/2016	<0.01	
2/2/2017	<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		0.0023 (J)
10/1/2019		<0.01
3/31/2020		0.0015 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	0.0013	
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	
5/19/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/7/2016	<0.01	
2/3/2017	<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		0.0051 (J)
3/26/2020		<0.01



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/8/2016	<0.01	
2/1/2017	<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		0.0012 (J)
3/31/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
9/8/2014	<0.01	
4/22/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/8/2016	<0.01	
2/1/2017	<0.01	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/16/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
10/1/2019		<0.01
3/31/2020		0.00085 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	0.0016	
4/13/2010	<0.01	
10/7/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	0.0018	
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	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
5/18/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/8/2016	<0.01	
2/2/2017	<0.01	
3/24/2017	0.0011 (J)	
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		0.00041 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	0.0035	
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	0.0017	
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	0.0005 (J)	
3/14/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
10/1/2019		0.0005 (J)
3/27/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/28/2020 4:08 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	0.0013	
7/6/2007	<0.01	
8/28/2007	0.0014	
11/6/2007	0.0024	
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	<0.01	
9/3/2014	<0.01	
4/21/2015	<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	
10/19/2016	<0.01	
12/8/2016	<0.01	
2/2/2017	<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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.01	
5/8/2007	<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	
10/2/2009	<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	0.0016	
3/12/2013	<0.01	
9/10/2013	0.002	
3/11/2014	<0.01	
9/8/2014	0.001 (J)	
4/21/2015	<0.01	
9/29/2015	0.0025 (J)	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	0.0004 (J)	
9/7/2016	0.0008 (J)	
10/18/2016	<0.01	
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	<0.01	
10/4/2018	<0.01	
4/8/2019		0.00044 (J)
9/30/2019		0.00079 (J)
3/26/2020		0.00082 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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	<0.0025	
7/17/2007	<0.0025	
8/28/2007	<0.0025	
11/7/2007	<0.0025	
5/9/2008	<0.0025	
12/2/2008	<0.0025	
4/8/2009	<0.0025	
10/1/2009	<0.0025	
4/14/2010	<0.0025	
10/13/2010	<0.0025	
4/6/2011	<0.0025	
10/4/2011	<0.0025	
4/10/2012	<0.0025	
9/26/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/4/2014	<0.0025	
9/3/2014	<0.0025	
4/21/2015	<0.0025	
9/30/2015	<0.0025	
3/23/2016	<0.0025	
5/17/2016	<0.0025	
7/6/2016	<0.0025	
9/7/2016	<0.0025	
10/18/2016	<0.0025	
12/6/2016	<0.0025	
2/2/2017	<0.0025	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/15/2018	<0.0025	
10/4/2018	<0.0025	
4/9/2019		<0.0025
10/1/2019		<0.0025
3/27/2020		0.00082 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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	
5/19/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/7/2016	<0.01	
2/3/2017	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/5/2018	0.00058 (J)	
4/8/2019		0.00046 (J)
10/1/2019		0.00033 (J)
3/26/2020		0.00035 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
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	
5/18/2016	<0.01	
7/6/2016	0.0004 (J)	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/8/2016	<0.01	
2/2/2017	<0.01	
3/27/2017	<0.01	
10/5/2017	0.0004 (J)	
3/15/2018	<0.01	
10/5/2018	<0.01	
4/8/2019		0.00041 (J)
10/1/2019		0.00041 (J)
3/27/2020		0.00063 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.025	
5/8/2007	<0.025	
7/17/2007	0.0028	
8/28/2007	0.0039	
11/6/2007	<0.025	
5/8/2008	<0.025	
12/3/2008	<0.025	
4/7/2009	<0.025	
10/2/2009	<0.025	
4/14/2010	<0.025	
10/14/2010	<0.025	
4/5/2011	<0.025	
10/12/2011	<0.025	
4/4/2012	<0.025	
9/26/2012	<0.025	
3/12/2013	<0.025	
9/10/2013	<0.025	
3/11/2014	<0.025	
9/8/2014	<0.025	
4/21/2015	<0.025	
9/29/2015	<0.025	
3/22/2016	<0.025	
9/7/2016	<0.025	
3/23/2017	<0.025	
10/4/2017	<0.025	
3/15/2018	<0.025	
10/4/2018	<0.025	
4/5/2019		<0.025
9/30/2019		<0.025
3/26/2020		0.00022 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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	<0.025	
7/17/2007	<0.025	
8/28/2007	<0.025	
11/7/2007	<0.025	
5/9/2008	<0.025	
12/2/2008	<0.025	
4/8/2009	<0.025	
10/1/2009	<0.025	
4/14/2010	<0.025	
10/13/2010	<0.025	
4/6/2011	<0.025	
10/12/2011	<0.025	
4/10/2012	<0.025	
9/26/2012	<0.025	
3/12/2013	<0.025	
9/10/2013	<0.025	
3/4/2014	<0.025	
9/3/2014	<0.025	
4/21/2015	<0.025	
9/30/2015	<0.025	
3/23/2016	<0.025	
9/7/2016	<0.025	
3/27/2017	<0.025	
10/5/2017	<0.025	
3/15/2018	<0.025	
10/4/2018	<0.025	
4/9/2019		<0.025
10/1/2019		<0.025
3/27/2020		0.00022 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.025	
5/9/2007	<0.025	
7/17/2007	<0.025	
8/29/2007	<0.025	
11/7/2007	0.0029	
5/7/2008	0.0026	
12/5/2008	<0.025	
4/27/2009	<0.025	
9/30/2009	<0.025	
4/13/2010	<0.025	
10/12/2010	<0.025	
10/5/2011	<0.025	
4/10/2012	<0.025	
9/26/2012	<0.025	
3/13/2013	<0.025	
9/11/2013	<0.025	
3/11/2014	<0.025	
9/9/2014	0.0013 (J)	
9/30/2015	0.0008 (J)	
3/24/2016	<0.025	
9/8/2016	0.0006 (J)	
3/27/2017	0.0005 (J)	
10/5/2017	<0.025	
3/15/2018	<0.025	
10/4/2018	<0.025	
4/9/2019		<0.025
10/1/2019		0.00084 (J)
3/31/2020		0.00082 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.025	
5/9/2007	<0.025	
7/17/2007	<0.025	
8/29/2007	<0.025	
11/7/2007	0.0033	
5/7/2008	<0.025	
12/5/2008	<0.025	
4/14/2009	<0.025	
9/30/2009	<0.025	
4/13/2010	<0.025	
10/12/2010	<0.025	
4/6/2011	<0.025	
10/5/2011	<0.025	
4/9/2012	<0.025	
9/25/2012	<0.025	
3/13/2013	<0.025	
9/11/2013	<0.025	
3/11/2014	<0.025	
9/9/2014	<0.025	
4/23/2015	<0.025	
9/30/2015	<0.025	
3/23/2016	<0.025	
9/8/2016	<0.025	
3/27/2017	<0.025	
10/5/2017	<0.025	
3/15/2018	<0.025	
10/4/2018	<0.025	
4/9/2019		<0.025
10/1/2019		0.00031 (J)
3/31/2020		0.0002 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.025	
5/9/2007	<0.025	
7/17/2007	<0.025	
8/29/2007	<0.025	
11/7/2007	0.0084	
5/7/2008	<0.025	
12/5/2008	<0.025	
4/14/2009	<0.025	
10/1/2009	<0.025	
4/14/2010	<0.025	
10/13/2010	<0.025	
4/6/2011	<0.025	
10/12/2011	<0.025	
4/9/2012	<0.025	
9/19/2012	<0.025	
3/13/2013	<0.025	
9/10/2013	<0.025	
3/11/2014	<0.025	
9/3/2014	<0.025	
4/23/2015	<0.025	
9/30/2015	0.0012 (J)	
3/23/2016	<0.025	
9/8/2016	<0.025	
3/27/2017	<0.025	
10/5/2017	0.0003 (J)	
3/15/2018	0.0016 (J)	
10/5/2018	<0.025	
4/8/2019		0.0005 (J)
10/1/2019		0.00083 (J)
3/26/2020		0.00067 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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	<0.025	
8/28/2007	0.0036	
11/6/2007	<0.025	
5/8/2008	<0.025	
12/3/2008	<0.025	
4/7/2009	<0.025	
10/1/2009	<0.025	
4/14/2010	<0.025	
10/14/2010	<0.025	
4/5/2011	<0.025	
10/12/2011	<0.025	
4/4/2012	<0.025	
9/24/2012	<0.025	
3/12/2013	<0.025	
9/10/2013	<0.025	
3/5/2014	<0.025	
9/9/2014	<0.025	
4/21/2015	<0.025	
9/29/2015	<0.025	
3/23/2016	<0.025	
9/7/2016	<0.025	
3/23/2017	<0.025	
10/4/2017	<0.025	
3/16/2018	<0.025	
10/4/2018	<0.025	
4/9/2019		<0.025
10/1/2019		0.00031 (J)
3/31/2020		0.00019 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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	7E-05 (J)	
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

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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		5.4E-05 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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	0.0002 (J)	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		6.1E-05 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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	<0.005	
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	
2/3/2017	<0.005	
3/27/2017	7E-05 (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

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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		0.00039 (J)
10/1/2019		6.5E-05 (J)
3/31/2020		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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	0.0001 (J)	
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		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/28/2020 4:08 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	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	0.0002 (J)	
2/2/2017	<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		<0.005
3/27/2020		<0.005

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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	0.001 (J)	
9/3/2014	<0.01	
4/21/2015	<0.01	
9/30/2015	<0.01	
3/22/2016	<0.01	
9/7/2016	0.0008 (J)	
3/23/2017	0.0007 (J)	
10/4/2017	0.0006 (J)	
3/14/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		0.00034 (J)
9/30/2019		0.00037 (J)
3/26/2020		0.00065 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
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	
10/2/2009	<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	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/11/2014	0.0013 (J)	
9/8/2014	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/22/2016	<0.01	
9/7/2016	<0.01	
3/23/2017	0.0022 (J)	
10/4/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/5/2019		0.00075 (J)
9/30/2019		<0.01
3/26/2020		0.0011 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.01	
5/8/2007	<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	
10/2/2009	<0.01	
4/14/2010	<0.01	
10/14/2010	<0.01	
4/5/2011	0.0032	
10/12/2011	<0.01	
4/4/2012	<0.01	
9/24/2012	0.0032	
3/12/2013	<0.01	
9/10/2013	<0.01	
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	<0.01	
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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
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	<0.01	
9/3/2014	<0.01	
4/21/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
9/7/2016	<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
3/27/2020		0.0023 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
7/17/2007	<0.01	
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	0.0013 (J)	
9/3/2014	<0.01	
4/22/2015	<0.01	
9/30/2015	<0.01	
3/24/2016	<0.01	
9/8/2016	0.0009 (J)	
3/27/2017	0.0006 (J)	
10/5/2017	0.0008 (J)	
3/16/2018	<0.01	
10/5/2018	<0.01	
4/9/2019		<0.01
10/1/2019		0.0015 (J)
3/30/2020		0.00048 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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	0.0016 (J)	
9/3/2014	<0.01	
4/23/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
9/8/2016	0.0011 (J)	
3/27/2017	0.0007 (J)	
10/5/2017	<0.01	
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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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	0.001 (J)	
9/9/2014	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
9/7/2016	<0.01	
3/23/2017	0.0008 (J)	
10/4/2017	<0.01	
3/16/2018	<0.01	
10/4/2018	<0.01	
4/9/2019		0.00098 (J)
10/1/2019		0.00088 (J)
3/31/2020		0.0013 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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	0.00079 (J)	
9/9/2014	<0.01	
4/22/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/24/2017	<0.01	
10/5/2017	<0.01	
3/14/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		0.00064 (J)
10/1/2019		0.00063 (J)
3/27/2020		0.00053 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/28/2020 4:08 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)

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.01	
5/8/2007	<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	
10/2/2009	<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	
3/11/2014	<0.01	
9/8/2014	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	<0.01	
2/1/2017	<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		0.00014 (J)
9/30/2019		<0.01
3/26/2020		<0.01



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
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	0.0016 (J)	
9/3/2014	<0.01	
4/21/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	<0.01	
2/2/2017	<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
3/27/2020		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/28/2020 4:08 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	0.0024 (J)	
9/9/2014	<0.01	
9/30/2015	<0.01	
3/24/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/7/2016	<0.01	
2/2/2017	0.0017 (J)	
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

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
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	
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	0.0017 (J)	
9/9/2014	<0.01	
4/23/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/7/2016	<0.01	
2/2/2017	<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		0.0014 (J)
3/31/2020		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/28/2020 4:08 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	<0.01	
3/5/2014	0.0018 (J)	
9/3/2014	<0.01	
4/21/2015	<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	
10/19/2016	<0.01	
12/8/2016	<0.01	
2/2/2017	<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

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/28/2020 4:08 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



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/6/2007	<0.02	
5/8/2007	<0.02	
7/7/2007	<0.02	
8/28/2007	<0.02	
11/6/2007	<0.02	
5/9/2008	<0.02	
12/3/2008	<0.02	
4/7/2009	0.0028	
10/1/2009	<0.02	
4/14/2010	<0.02	
10/13/2010	<0.02	
4/6/2011	<0.02	
10/10/2011	<0.02	
4/3/2012	<0.02	
9/24/2012	<0.02	
3/12/2013	<0.02	
9/11/2013	<0.02	
3/4/2014	0.0026	
9/3/2014	0.001 (J)	
4/21/2015	<0.02	
9/30/2015	<0.02	
3/22/2016	<0.02	
9/7/2016	0.0047 (J)	
3/23/2017	<0.02	
10/4/2017	<0.02	
3/14/2018	0.0032 (J)	
10/4/2018	0.003 (J)	
4/8/2019		<0.02
9/30/2019		0.0032 (J)
3/26/2020		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-11	GWA-11
3/7/2007	<0.02	
5/8/2007	0.0025	
7/17/2007	0.0047	
8/28/2007	0.0033	
11/7/2007	<0.02	
5/9/2008	<0.02	
12/2/2008	<0.02	
4/8/2009	<0.02	
10/1/2009	<0.02	
4/14/2010	<0.02	
10/13/2010	<0.02	
4/6/2011	<0.02	
10/4/2011	<0.02	
4/10/2012	<0.02	
9/26/2012	<0.02	
3/12/2013	<0.02	
9/10/2013	<0.02	
3/4/2014	<0.02	
9/3/2014	0.00074 (J)	
4/21/2015	<0.02	
9/29/2015	0.0024 (J)	
3/22/2016	<0.02	
9/7/2016	0.0023 (J)	
3/24/2017	0.0068 (J)	
10/5/2017	<0.02	
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		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-2	GWA-2
3/6/2007	<0.02	
5/8/2007	<0.02	
7/7/2007	<0.02	
8/28/2007	0.0026	
11/6/2007	<0.02	
5/9/2008	<0.02	
12/3/2008	<0.02	
4/7/2009	<0.02	
10/1/2009	<0.02	
4/13/2010	<0.02	
10/7/2010	<0.02	
4/6/2011	<0.02	
10/6/2011	<0.02	
4/3/2012	<0.02	
9/19/2012	<0.02	
3/12/2013	<0.02	
9/9/2013	<0.02	
3/4/2014	0.0035	
9/3/2014	0.0015 (J)	
4/22/2015	<0.02	
9/30/2015	0.0026 (J)	
3/22/2016	<0.02	
9/7/2016	0.0024 (J)	
3/23/2017	<0.02	
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		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-3	GWA-3
3/6/2007	<0.02	
5/8/2007	<0.02	
7/17/2007	0.0033	
8/28/2007	<0.02	
11/6/2007	<0.02	
5/8/2008	0.0033	
12/3/2008	0.0054	
4/7/2009	<0.02	
10/2/2009	<0.02	
4/14/2010	0.003	
10/14/2010	<0.02	
4/5/2011	<0.02	
10/12/2011	<0.02	
4/4/2012	<0.02	
9/26/2012	<0.02	
3/12/2013	<0.02	
9/10/2013	<0.02	
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	<0.02	
9/7/2016	0.0034 (J)	
3/23/2017	0.0031 (J)	
10/4/2017	<0.02	
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		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 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



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.02	
5/8/2007	<0.02	
7/17/2007	0.0069	
8/28/2007	<0.02	
11/7/2007	<0.02	
5/9/2008	<0.02	
12/2/2008	<0.02	
4/8/2009	<0.02	
10/1/2009	<0.02	
4/14/2010	<0.02	
10/13/2010	<0.02	
4/6/2011	<0.02	
10/4/2011	<0.02	
4/10/2012	<0.02	
9/26/2012	<0.02	
3/12/2013	<0.02	
9/10/2013	<0.02	
3/4/2014	0.0026	
9/3/2014	0.00079 (J)	
4/21/2015	<0.02	
9/30/2015	0.0018 (J)	
3/23/2016	<0.02	
9/7/2016	<0.02	
3/27/2017	0.0014 (J)	
10/5/2017	<0.02	
3/15/2018	<0.02	
10/4/2018	0.0033 (J)	
4/9/2019		<0.02
10/1/2019		0.0049 (J)
3/27/2020		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.02	
5/9/2007	0.0026	
7/17/2007	0.0043	
8/28/2007	<0.02	
11/7/2007	<0.02	
5/7/2008	<0.02	
12/3/2008	<0.02	
4/14/2009	<0.02	
10/1/2009	<0.02	
4/13/2010	<0.02	
10/12/2010	<0.02	
4/6/2011	<0.02	
10/12/2011	<0.02	
4/5/2012	<0.02	
9/19/2012	<0.02	
3/13/2013	<0.02	
9/10/2013	<0.02	
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	<0.02	
9/8/2016	0.0024 (J)	
3/27/2017	<0.02	
10/5/2017	<0.02	
3/16/2018	<0.02	
10/5/2018	0.0029 (J)	
4/9/2019		0.0037 (J)
10/1/2019		0.006 (J)
3/30/2020		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.02	
5/9/2007	0.0025	
7/17/2007	0.0035	
8/28/2007	<0.02	
11/7/2007	<0.02	
5/7/2008	<0.02	
12/4/2008	<0.02	
4/14/2009	<0.02	
10/2/2009	<0.02	
4/13/2010	0.0043	
10/12/2010	<0.02	
4/6/2011	<0.02	
10/12/2011	<0.02	
4/5/2012	<0.02	
9/25/2012	<0.02	
3/13/2013	<0.02	
9/11/2013	<0.02	
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	<0.02	
9/8/2016	0.0029 (J)	
3/27/2017	0.0019 (J)	
10/5/2017	0.0024 (J)	
3/15/2018	<0.02	
10/4/2018	0.013	
4/9/2019		<0.02
10/1/2019		0.0049 (J)
3/31/2020		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.02	
5/9/2007	<0.02	
7/17/2007	<0.02	
8/29/2007	<0.02	
11/7/2007	<0.02	
5/7/2008	<0.02	
12/5/2008	<0.02	
4/14/2009	<0.02	
9/30/2009	<0.02	
4/13/2010	<0.02	
10/12/2010	<0.02	
10/12/2011	<0.02	
4/9/2012	<0.02	
9/25/2012	<0.02	
3/13/2013	<0.02	
9/11/2013	<0.02	
3/10/2014	0.0024 (J)	
9/9/2014	0.00078 (J)	
4/23/2015	<0.02	
9/30/2015	0.0016 (J)	
3/23/2016	<0.02	
9/8/2016	<0.02	
3/27/2017	0.0017 (J)	
10/5/2017	0.0016 (J)	
3/16/2018	<0.02	
10/5/2018	<0.02	
4/9/2019		<0.02
10/1/2019		0.0063 (J)
3/31/2020		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.02	
5/9/2007	0.0035	
7/17/2007	<0.02	
8/29/2007	<0.02	
11/7/2007	<0.02	
5/7/2008	<0.02	
12/5/2008	<0.02	
4/14/2009	<0.02	
9/30/2009	<0.02	
4/13/2010	<0.02	
10/12/2010	<0.02	
4/6/2011	<0.02	
10/5/2011	<0.02	
4/9/2012	<0.02	
9/25/2012	<0.02	
3/13/2013	<0.02	
9/11/2013	<0.02	
3/11/2014	0.0037	
9/9/2014	0.0006 (J)	
4/23/2015	<0.02	
9/30/2015	0.0021 (J)	
3/23/2016	<0.02	
9/8/2016	<0.02	
3/27/2017	<0.02	
10/5/2017	<0.02	
3/15/2018	<0.02	
10/4/2018	0.003 (J)	
4/9/2019		<0.02
10/1/2019		0.0054 (J)
3/31/2020		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 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	<0.02	
5/7/2008	<0.02	
12/5/2008	<0.02	
4/14/2009	<0.02	
10/1/2009	<0.02	
4/14/2010	<0.02	
10/13/2010	<0.02	
4/6/2011	<0.02	
10/12/2011	<0.02	
4/9/2012	<0.02	
9/19/2012	<0.02	
3/13/2013	<0.02	
9/10/2013	<0.02	
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	<0.02	
9/8/2016	<0.02	
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		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 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	<0.02	
7/6/2007	<0.02	
8/28/2007	0.0025	
11/6/2007	<0.02	
5/8/2008	<0.02	
12/3/2008	<0.02	
4/7/2009	0.0025	
10/1/2009	<0.02	
4/14/2010	<0.02	
10/14/2010	<0.02	
4/5/2011	0.0025	
10/12/2011	0.0037	
4/4/2012	<0.02	
9/24/2012	<0.02	
3/12/2013	<0.02	
9/10/2013	<0.02	
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	<0.02	
3/23/2017	0.0026 (J)	
10/4/2017	<0.02	
3/16/2018	<0.02	
10/4/2018	0.0028 (J)	
4/9/2019		<0.02
10/1/2019		0.0053 (J)
3/31/2020		<0.02



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-6	GWC-6
3/7/2007	<0.02	
5/9/2007	<0.02	
7/17/2007	<0.02	
8/28/2007	<0.02	
11/6/2007	<0.02	
5/8/2008	<0.02	
12/3/2008	<0.02	
4/7/2009	<0.02	
10/1/2009	<0.02	
4/13/2010	<0.02	
10/6/2010	<0.02	
4/5/2011	<0.02	
10/4/2011	<0.02	
4/3/2012	<0.02	
9/18/2012	<0.02	
3/12/2013	<0.02	
9/9/2013	<0.02	
3/5/2014	0.0026	
9/8/2014	0.00055 (J)	
4/22/2015	<0.02	
9/29/2015	0.0026 (J)	
3/23/2016	<0.02	
9/7/2016	0.0024 (J)	
3/23/2017	0.0035 (J)	
10/4/2017	<0.02	
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		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 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	<0.02	
8/28/2007	<0.02	
11/6/2007	<0.02	
5/8/2008	<0.02	
12/2/2008	<0.02	
4/8/2009	<0.02	
9/30/2009	<0.02	
4/13/2010	<0.02	
10/13/2010	<0.02	
4/5/2011	<0.02	
10/4/2011	<0.02	
4/3/2012	<0.02	
9/19/2012	<0.02	
3/12/2013	<0.02	
9/10/2013	<0.02	
3/5/2014	0.0028	
9/9/2014	0.0014 (J)	
4/22/2015	<0.02	
9/29/2015	0.0016 (J)	
3/23/2016	<0.02	
9/8/2016	<0.02	
3/24/2017	0.0031 (J)	
10/5/2017	<0.02	
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		<0.02

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/28/2020 4:08 PM View: State Parameters

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.02	
5/8/2007	0.0027	
7/6/2007	0.0032	
8/28/2007	0.0026	
11/6/2007	<0.02	
5/8/2008	<0.02	
12/2/2008	<0.02	
4/8/2009	<0.02	
9/30/2009	<0.02	
4/13/2010	<0.02	
10/13/2010	<0.02	
4/5/2011	<0.02	
10/4/2011	<0.02	
4/4/2012	<0.02	
9/19/2012	<0.02	
3/12/2013	<0.02	
9/10/2013	<0.02	
3/5/2014	0.0029	
9/3/2014	0.0011 (J)	
4/21/2015	<0.02	
9/29/2015	0.0034 (J)	
3/23/2016	<0.02	
9/8/2016	<0.02	
3/27/2017	0.0014 (J)	
10/5/2017	0.0013 (J)	
3/15/2018	<0.02	
10/5/2018	0.0044 (J)	
4/8/2019		0.0016 (J)
10/1/2019		0.0052 (J)
3/27/2020		<0.02

FIGURE E.

# Trend Test Summary (State) - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/12/2020, 2:39 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)	0.004101	314	184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	-0.004717	-334	-184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	-0.00353	-218	-184	Yes	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-20	0.002061	281	176	Yes	34	0	n/a	n/a	0.01	NP

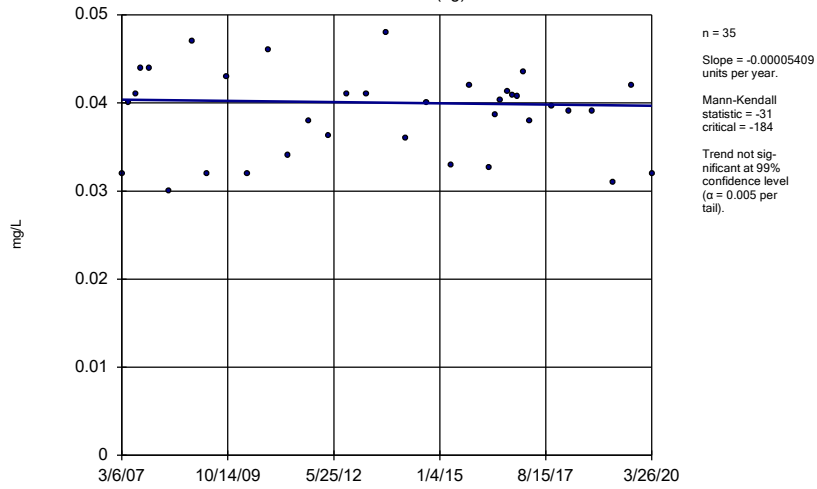
# Trend Test Summary (State) - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 8/12/2020, 2:39 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-1 (bg)	-0.00005409	-31	-184	No	35	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-11 (bg)	-0.0001551	-95	-184	No	35	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>0.004101</b>	<b>314</b>	<b>184</b>	<b>Yes</b>	<b>35</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>-0.004717</b>	<b>-334</b>	<b>-184</b>	<b>Yes</b>	<b>35</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>-0.00353</b>	<b>-218</b>	<b>-184</b>	<b>Yes</b>	<b>35</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-20</b>	<b>0.002061</b>	<b>281</b>	<b>176</b>	<b>Yes</b>	<b>34</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWC-8	0.0003024	47	184	No	35	0	n/a	n/a	0.01	NP

### Sen's Slope Estimator

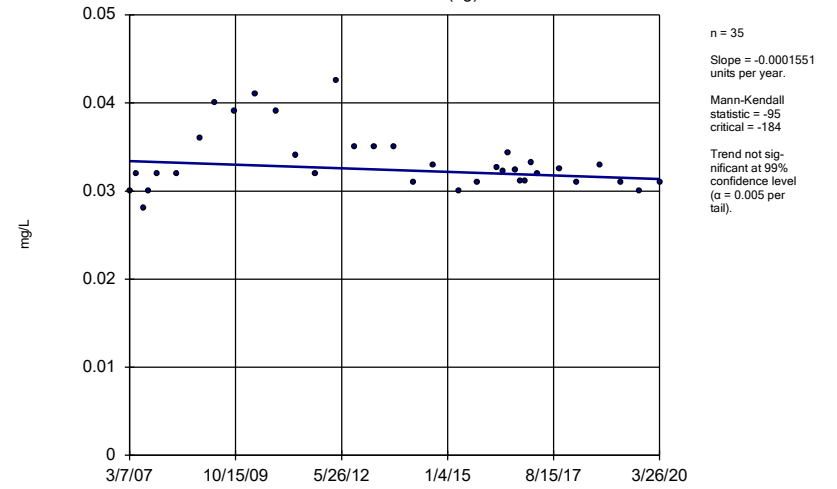
GWA-1 (bg)



Constituent: Barium Analysis Run 8/12/2020 2:38 PM View: Trend Tests - State PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

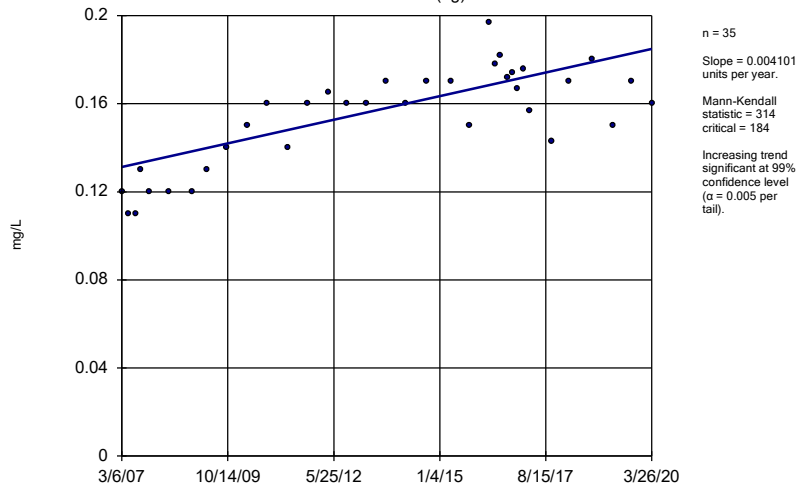
GWA-11 (bg)



Constituent: Barium Analysis Run 8/12/2020 2:38 PM View: Trend Tests - State PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

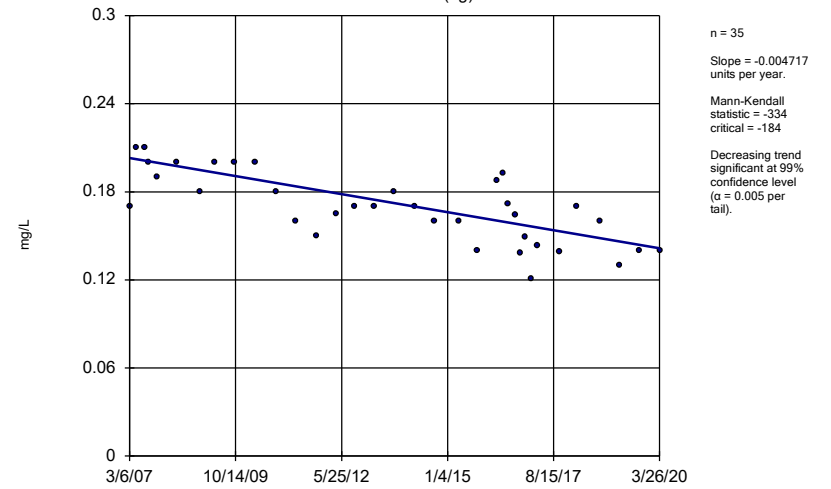
GWA-2 (bg)



Constituent: Barium Analysis Run 8/12/2020 2:38 PM View: Trend Tests - State PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWA-3 (bg)

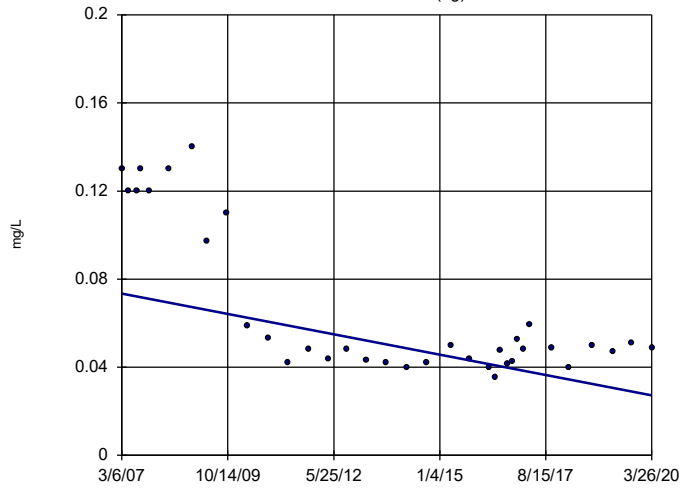


Constituent: Barium Analysis Run 8/12/2020 2:38 PM View: Trend Tests - State PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



### Sen's Slope Estimator

GWA-4 (bg)

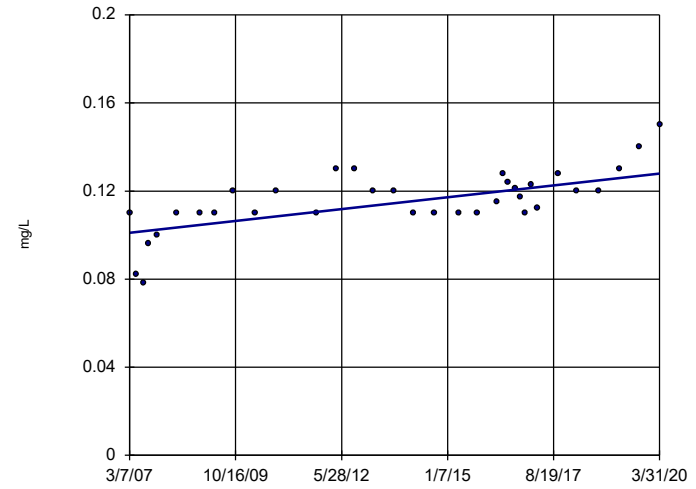


n = 35  
 Slope = -0.00353  
 units per year.  
 Mann-Kendall  
 statistic = -218  
 critical = -184  
 Decreasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 8/12/2020 2:38 PM View: Trend Tests - State PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWC-20

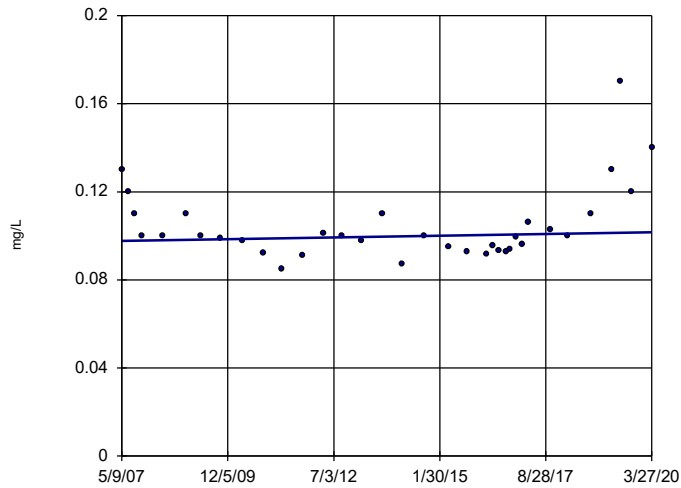


n = 34  
 Slope = 0.002061  
 units per year.  
 Mann-Kendall  
 statistic = 281  
 critical = 176  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 8/12/2020 2:38 PM View: Trend Tests - State PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWC-8



n = 35  
 Slope = 0.0003024  
 units per year.  
 Mann-Kendall  
 statistic = 47  
 critical = 184  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 8/12/2020 2:38 PM View: Trend Tests - State PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

FIGURE F.

# Federal Intrawell Prediction Limit Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 7:32 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-19	49.63	n/a	3/31/2020	52.3	Yes	13	43.91	2.178	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-20	63.52	n/a	3/31/2020	63.6	Yes	13	52.64	4.139	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-7	2.458	n/a	3/30/2020	9.2	Yes	13	1.654	0.3056	0	None	No	0.0006269	Param Intra 1 of 2
pH (s.u.)	GWC-10	7.697	6.845	3/27/2020	6.82	Yes	13	7.271	0.162	0	None	No	0.0003135	Param Intra 1 of 2

# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 7:32 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWA-1	0.05	n/a	3/26/2020	0.022J	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	3/26/2020	0.041J	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	3/26/2020	0.092J	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	3/26/2020	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	3/26/2020	0.086J	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	3/27/2020	0.04J	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	3/30/2020	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	3/31/2020	0.18	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	3/31/2020	0.024J	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	3/31/2020	0.022J	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	3/31/2020	0.067J	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	3/26/2020	0.042J	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	3/31/2020	0.057J	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	3/31/2020	0.091J	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	3/30/2020	0.049J	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	3/27/2020	0.056J	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	3/27/2020	0.018J	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	3/26/2020	14	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	3/26/2020	22.4	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	3/26/2020	43.2	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	3/26/2020	78.7	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	3/26/2020	87.4	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	3/27/2020	22.9	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	3/30/2020	45.7	No	14	40.09	2.439	0	None	No	0.0006269	Param Intra 1 of 2
<b>Calcium (mg/L)</b>	<b>GWC-19</b>	<b>49.63</b>	<b>n/a</b>	<b>3/31/2020</b>	<b>52.3</b>	<b>Yes</b>	<b>13</b>	<b>43.91</b>	<b>2.178</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
<b>Calcium (mg/L)</b>	<b>GWC-20</b>	<b>63.52</b>	<b>n/a</b>	<b>3/31/2020</b>	<b>63.6</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	3/31/2020	25.6	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	3/31/2020	51.5	No	13	47.68	1.891	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-23	45.95	n/a	3/26/2020	44.7	No	13	36.75	3.5	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-5	90.26	n/a	3/31/2020	84.2	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	3/31/2020	70.6	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	3/30/2020	47.8	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	3/27/2020	87.3	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	3/27/2020	34.3	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	3/26/2020	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	3/26/2020	1.4	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	3/26/2020	2	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	3/26/2020	2.6	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	3/26/2020	5.4	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	3/27/2020	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	3/30/2020	1	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	3/31/2020	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	3/31/2020	1.1	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	3/31/2020	1.5	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	3/31/2020	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	3/26/2020	0.63J	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	3/31/2020	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	3/31/2020	1.5	No	13	1.955	0.1913	0	None	No	0.0006269	Param Intra 1 of 2
<b>Chloride (mg/L)</b>	<b>GWC-7</b>	<b>2.458</b>	<b>n/a</b>	<b>3/30/2020</b>	<b>9.2</b>	<b>Yes</b>	<b>13</b>	<b>1.654</b>	<b>0.3056</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Chloride (mg/L)	GWC-8	3.306	n/a	3/27/2020	2.5	No	15	1.936	0.545	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 7:32 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWC-9	1.823	n/a	3/27/2020	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	3/26/2020	0.082J	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	3/26/2020	0.057J	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	3/26/2020	0.12J	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	3/26/2020	0.09J	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	3/26/2020	0.089J	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	3/27/2020	0.15ND	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	3/30/2020	0.1J	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	3/31/2020	0.099J	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	3/31/2020	0.054J	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	3/31/2020	0.15ND	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	3/31/2020	0.055J	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	3/26/2020	0.064J	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	3/31/2020	0.15ND	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	3/31/2020	0.053J	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	3/30/2020	0.16J	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	3/27/2020	0.12J	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	3/27/2020	0.078J	No	13	0.09607	0.03684	7.692	None	No	0.0006269	Param Intra 1 of 2
pH (s.u.)	GWA-1	7.414	6.463	3/26/2020	7.02	No	13	6.938	0.1807	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWA-11	7.075	6.309	3/26/2020	6.83	No	13	6.692	0.1457	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWA-2	7.273	6.46	3/26/2020	7.07	No	13	6.867	0.1547	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWA-3	7.238	6.227	3/26/2020	6.87	No	13	6.732	0.1922	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWA-4	7.246	6.263	3/26/2020	6.74	No	13	6.755	0.1869	0	None	No	0.0003135	Param Intra 1 of 2
<b>pH (s.u.)</b>	<b>GWC-10</b>	<b>7.697</b>	<b>6.845</b>	<b>3/27/2020</b>	<b>6.82</b>	<b>Yes</b>	<b>13</b>	<b>7.271</b>	<b>0.162</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003135</b>	<b>Param Intra 1 of 2</b>
pH (s.u.)	GWC-18	7.781	7.39	3/30/2020	7.65	No	13	7.585	0.07423	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-19	7.732	7.179	3/31/2020	7.62	No	13	7.455	0.1052	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-20	7.588	6.958	3/31/2020	7.57	No	15	7.273	0.1253	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-21	7.759	5.557	3/31/2020	6.33	No	13	6.658	0.4189	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-22	7.968	7.278	3/31/2020	7.8	No	14	7.623	0.1341	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-23	7.564	6.735	3/26/2020	6.88	No	13	7.149	0.1578	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-5	7.288	6.348	3/31/2020	6.82	No	13	6.818	0.1788	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-6	7.369	6.632	3/31/2020	7.17	No	13	7.001	0.1401	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-7	6.623	5.502	3/30/2020	6.48	No	13	6.062	0.2132	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-8	7.808	6.743	3/27/2020	7.01	No	15	7.275	0.2119	0	None	No	0.0003135	Param Intra 1 of 2
pH (s.u.)	GWC-9	7.362	6.212	3/27/2020	7.11	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	3/26/2020	5	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	3/26/2020	10.8	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	3/26/2020	15.6	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	3/26/2020	95.8	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	3/26/2020	128	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	3/27/2020	10.8	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	3/30/2020	9.7	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	3/31/2020	17.8	No	13	16.18	1.748	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	58.56	n/a	3/31/2020	53.6	No	18	35.78	9.504	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-21	57.26	n/a	3/31/2020	29.9	No	13	30.96	10.01	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22	14	n/a	3/31/2020	10.9	No	13	7.792	2.363	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	43	n/a	3/26/2020	14.5	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	3/31/2020	92.6	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	3/31/2020	106	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	3/30/2020	64.6	No	13	114.7	28.53	0	None	No	0.0006269	Param Intra 1 of 2

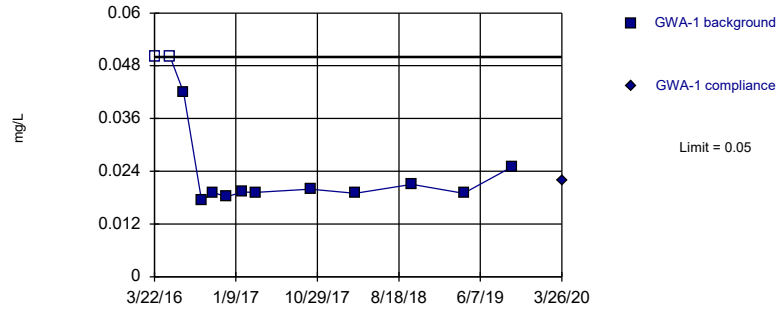
# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 7:32 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-8	62.67	n/a	3/27/2020	31.5	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	3/27/2020	54	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	3/26/2020	73	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	3/26/2020	76	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	3/26/2020	222	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	3/26/2020	450	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	3/26/2020	466	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	3/27/2020	118	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	3/30/2020	217	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	3/31/2020	233	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	3/31/2020	267	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	3/31/2020	111	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	3/31/2020	195	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	3/26/2020	193	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	3/31/2020	408	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	3/31/2020	349	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	3/30/2020	216	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	3/27/2020	329	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	3/27/2020	192	No	13	235.2	34.54	0	None	No	0.0006269	Param Intra 1 of 2

Within Limit

Prediction Limit  
 Intrawell Non-parametric

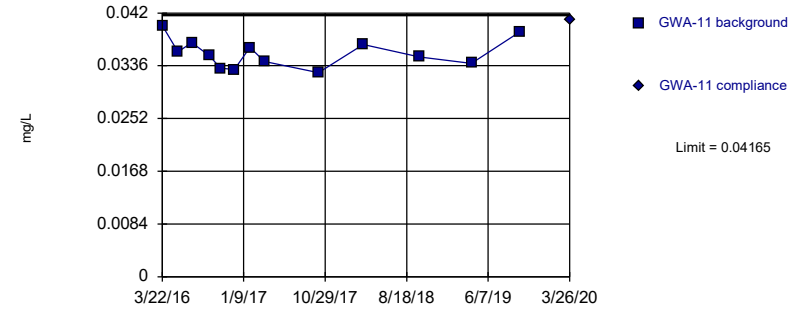


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 15.38% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

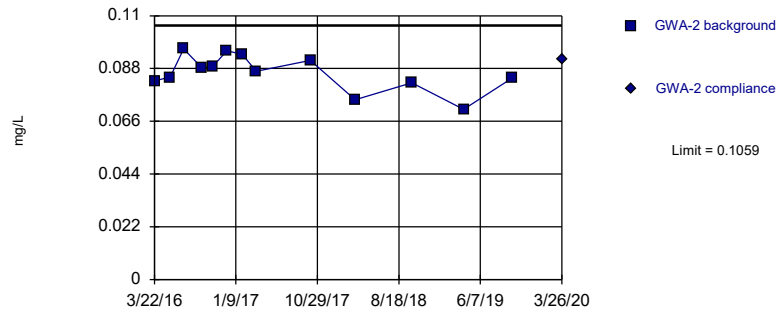


Background Data Summary: Mean=0.0356, Std. Dev.=0.002301, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9579, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

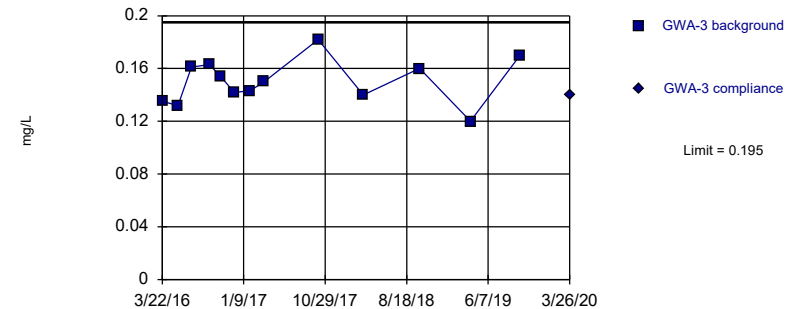


Background Data Summary: Mean=0.08618, Std. Dev.=0.007513, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.951, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

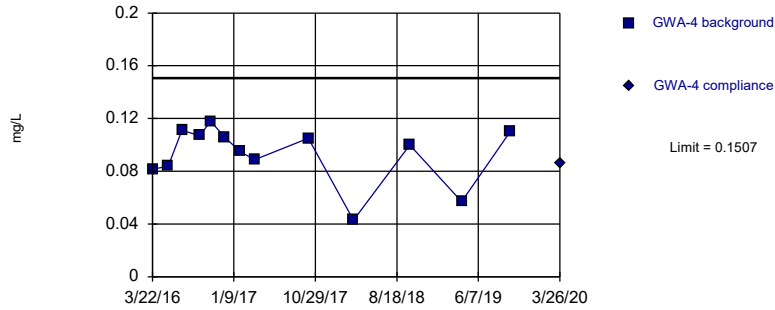
Prediction Limit  
 Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

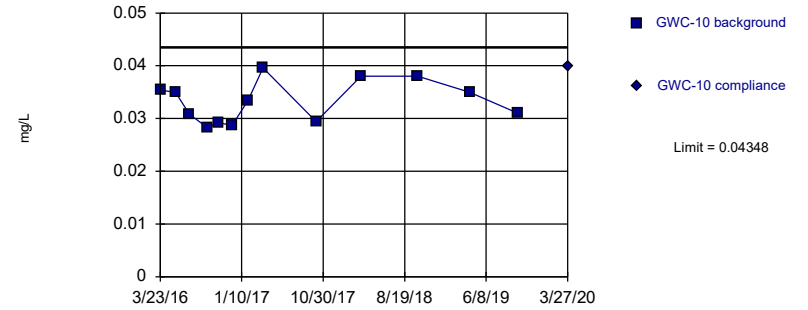
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

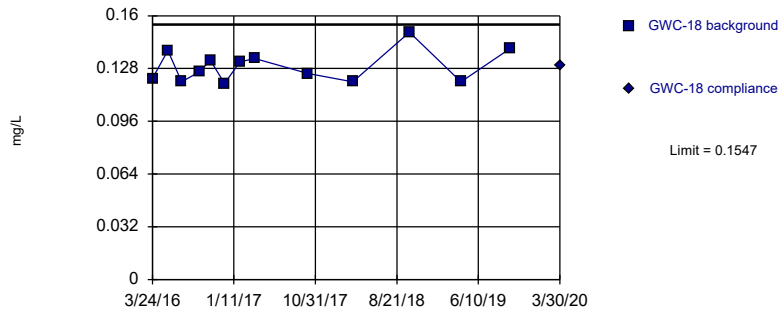
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

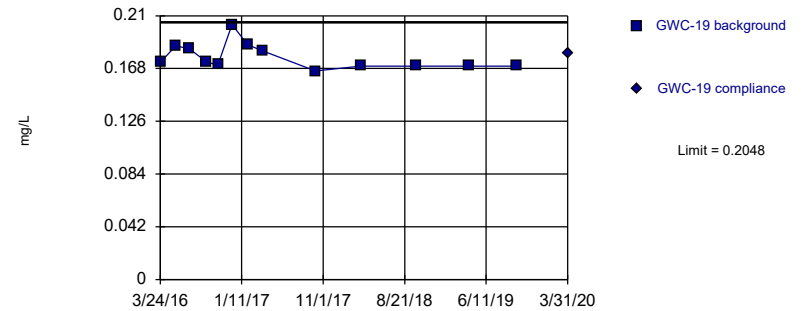
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric



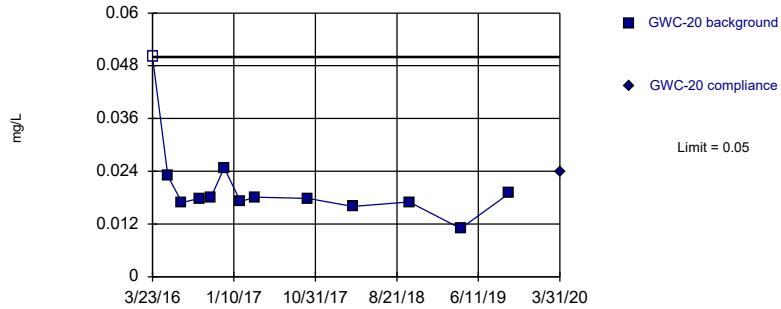
Background Data Summary: Mean=0.1773, Std. Dev.=0.01047, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8362, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
 Intrawell Non-parametric

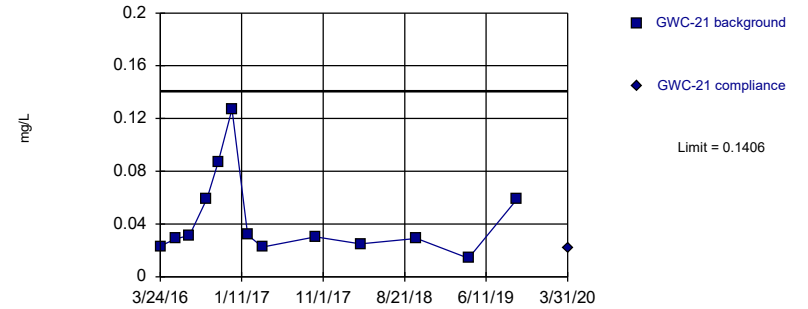


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 7.692% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

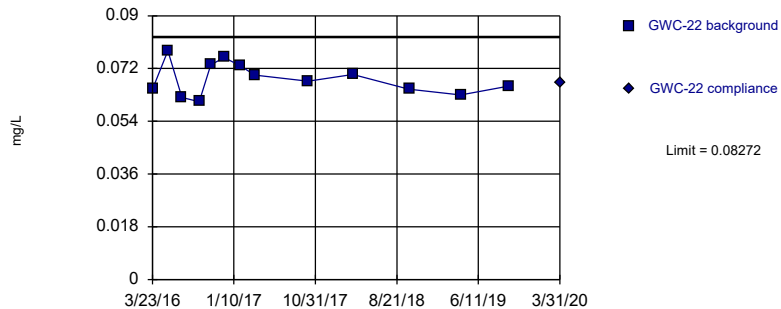


Background Data Summary (based on square root transformation): Mean=0.199, Std. Dev.=0.06698, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8469, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

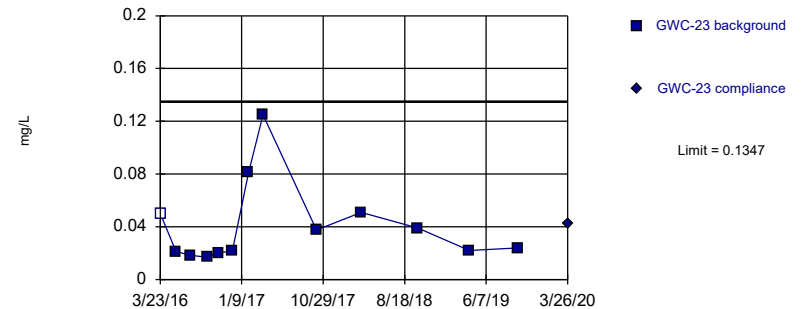


Background Data Summary: Mean=0.06841, Std. Dev.=0.005445, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9602, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

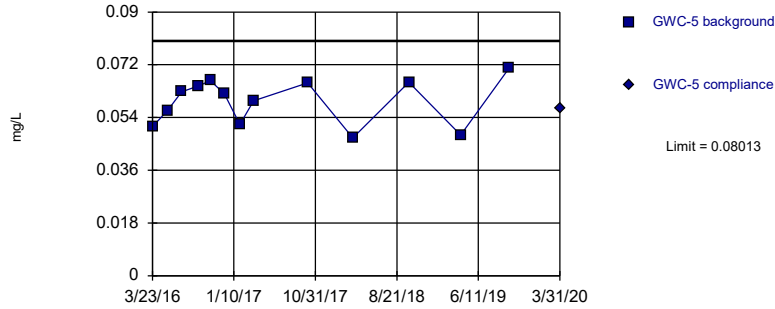
Prediction Limit  
 Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

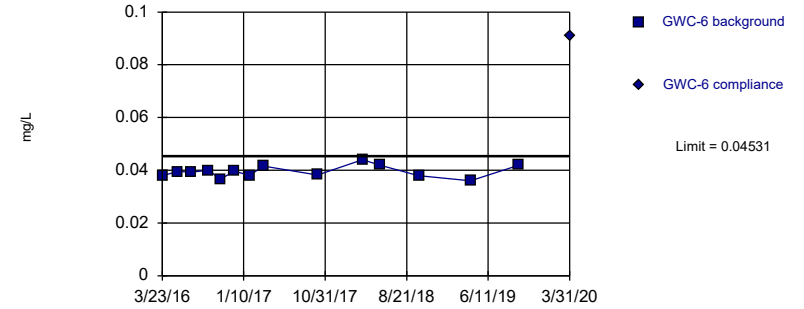
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

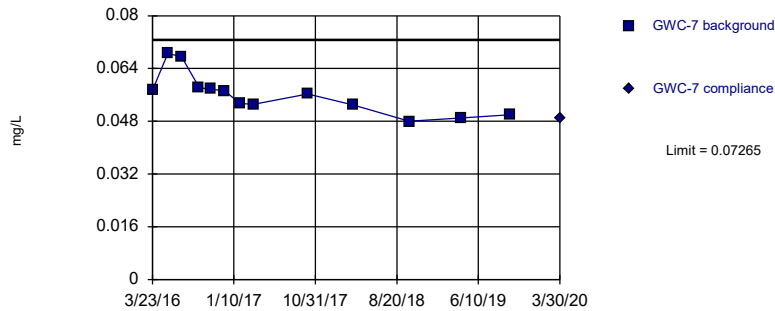
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

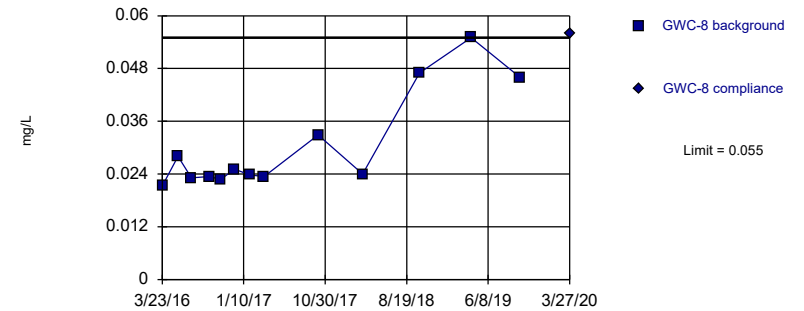
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Non-parametric

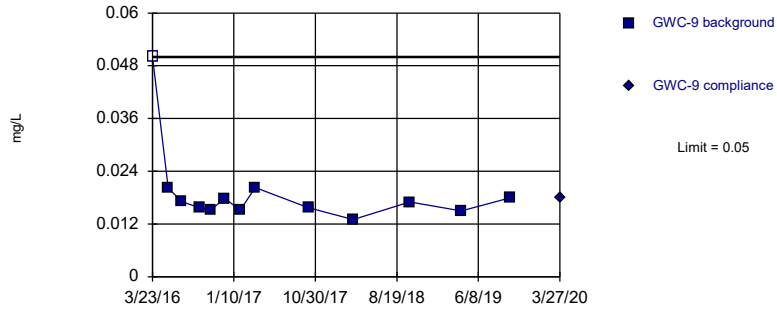


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

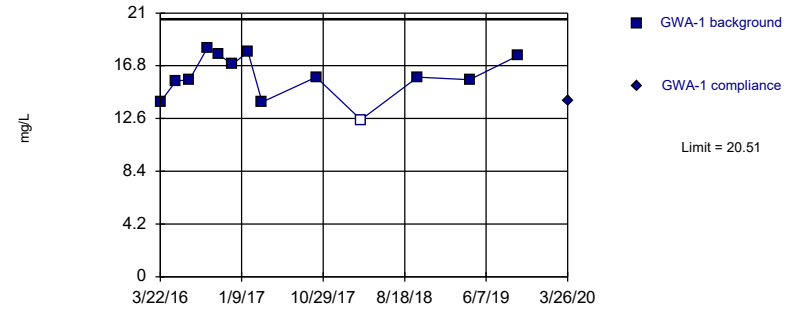


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 7.692% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

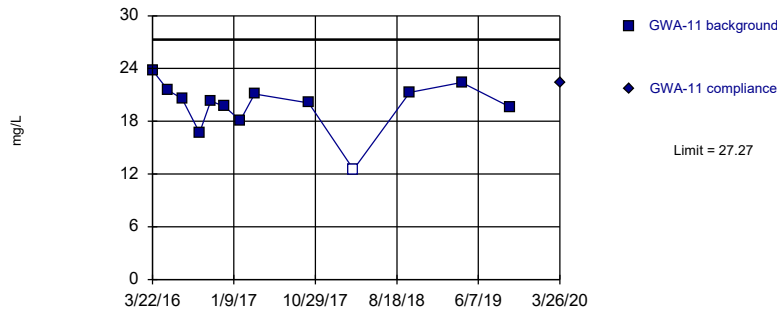


Background Data Summary: Mean=15.95, Std. Dev.=1.735, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

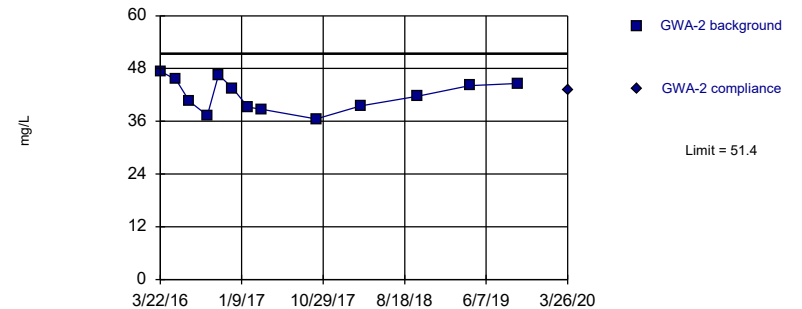


Background Data Summary: Mean=19.82, Std. Dev.=2.834, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.886, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

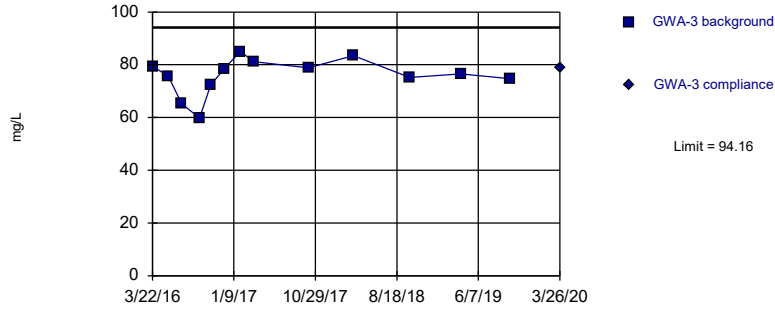
Prediction Limit  
 Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

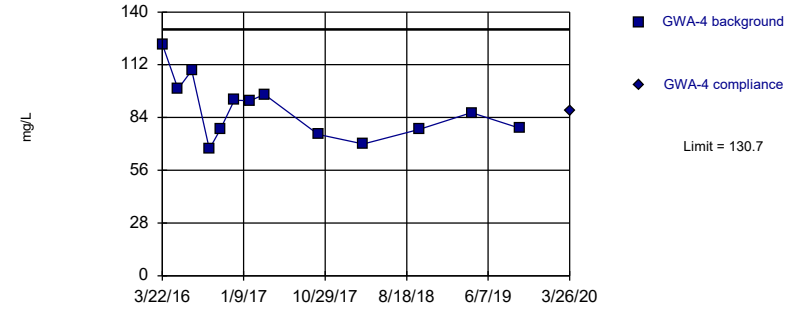
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

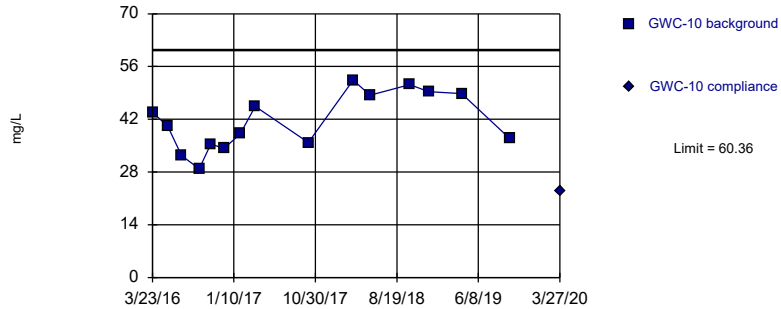
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

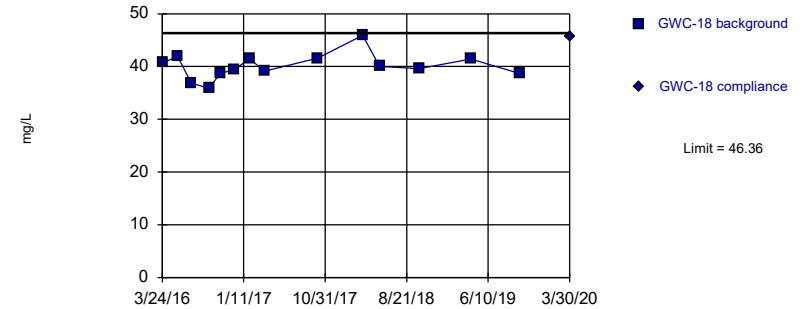
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric

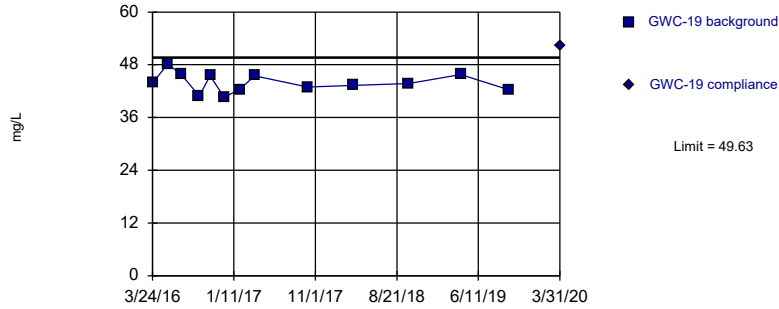


Background Data Summary: Mean=40.09, Std. Dev.=2.439, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9453, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

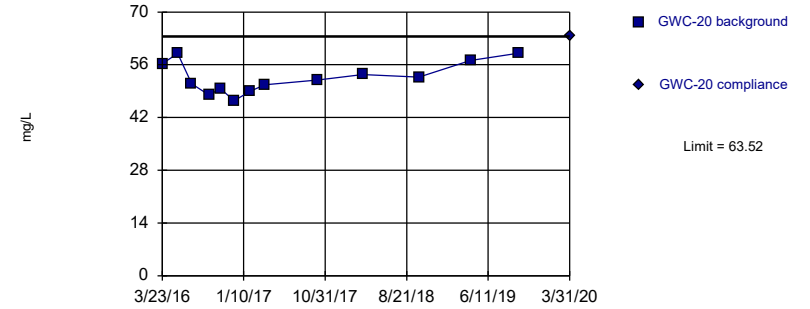


Background Data Summary: Mean=43.91, Std. Dev.=2.178, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9602, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

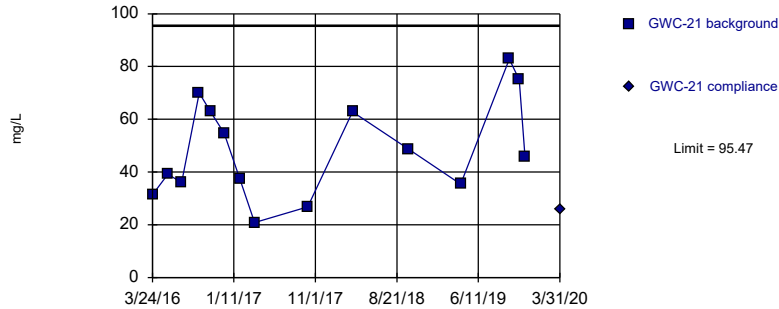


Background Data Summary: Mean=52.64, Std. Dev.=4.139, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9448, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

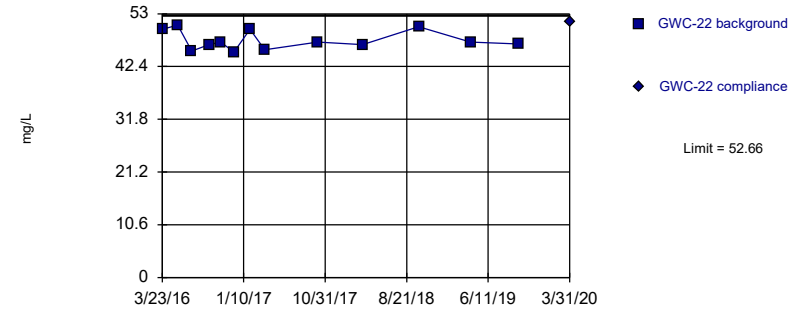


Background Data Summary: Mean=48.65, Std. Dev.=18.63, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9559, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



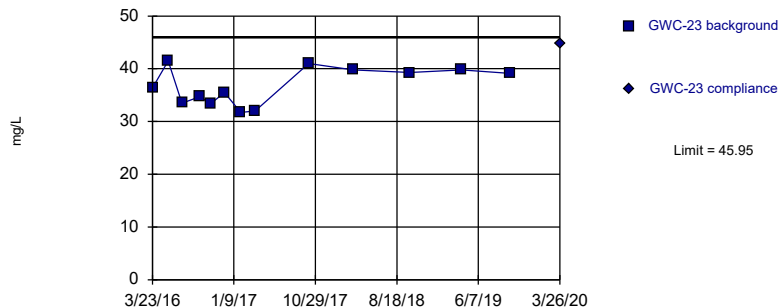
Background Data Summary: Mean=47.68, Std. Dev.=1.891, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8721, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 8/12/2020 1:58 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit

Intrawell Parametric



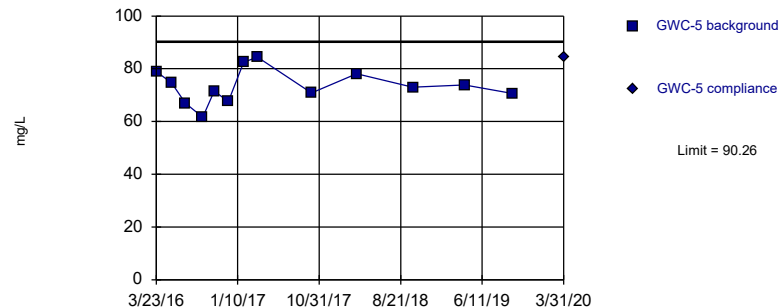
Background Data Summary: Mean=36.75, Std. Dev.=3.5, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9096, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit

Intrawell Parametric



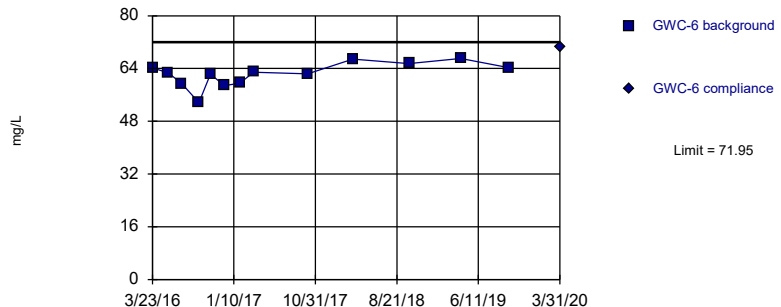
Background Data Summary: Mean=73.43, Std. Dev.=6.404, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9816, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit

Intrawell Parametric



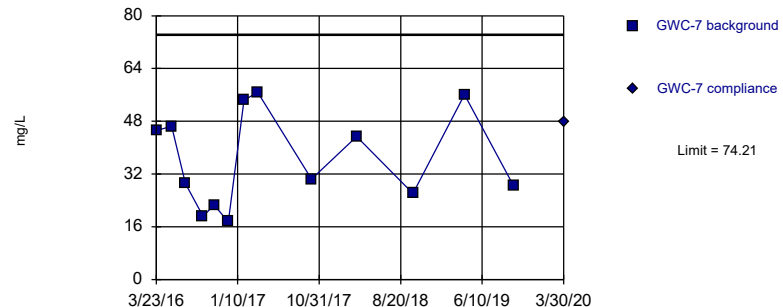
Background Data Summary: Mean=62.28, Std. Dev.=3.678, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9288, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit

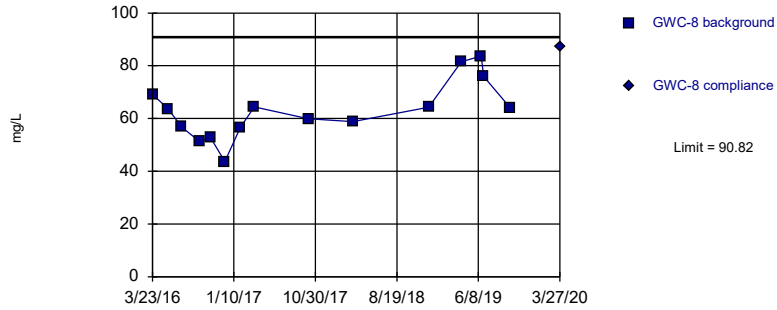
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

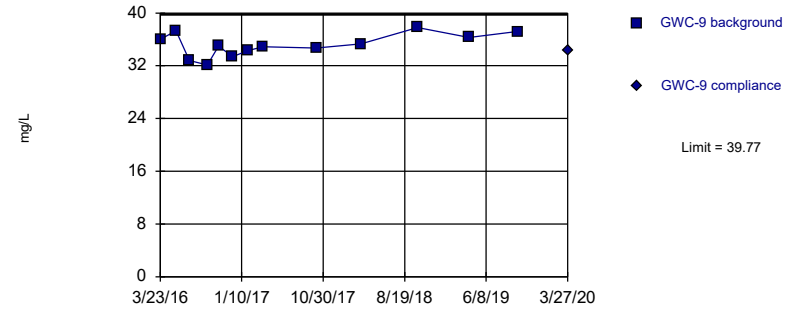
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

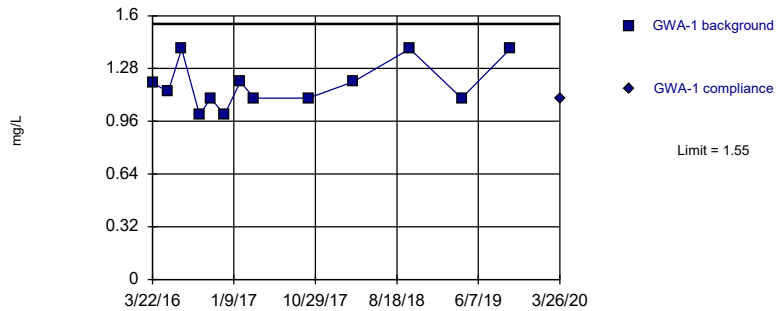
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

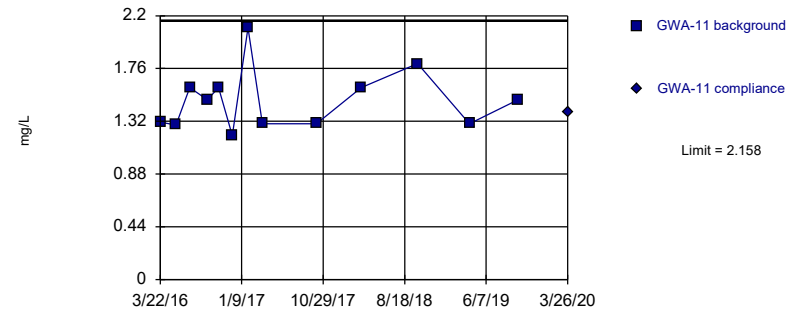
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

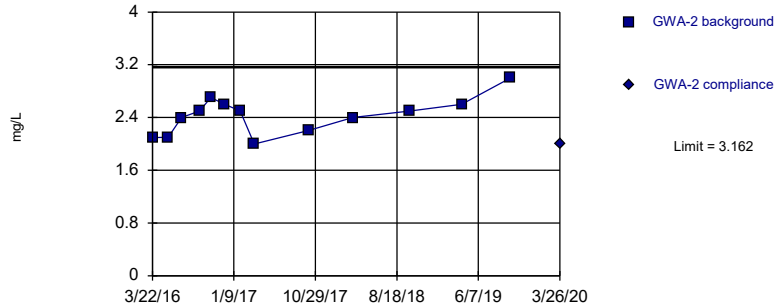
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

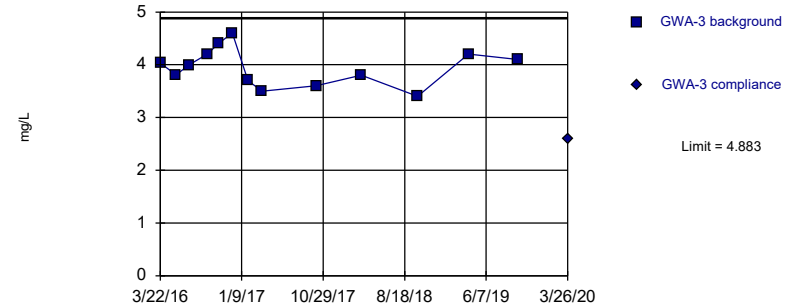
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

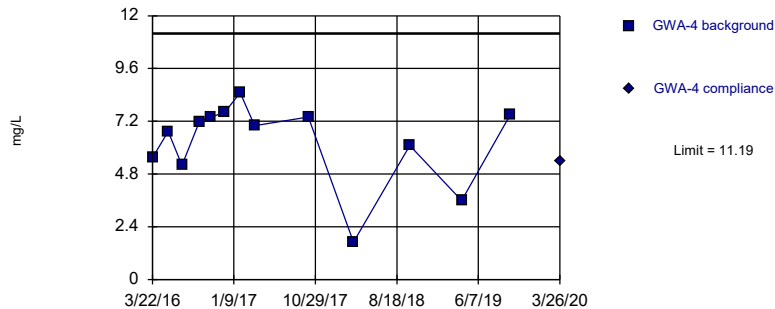
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

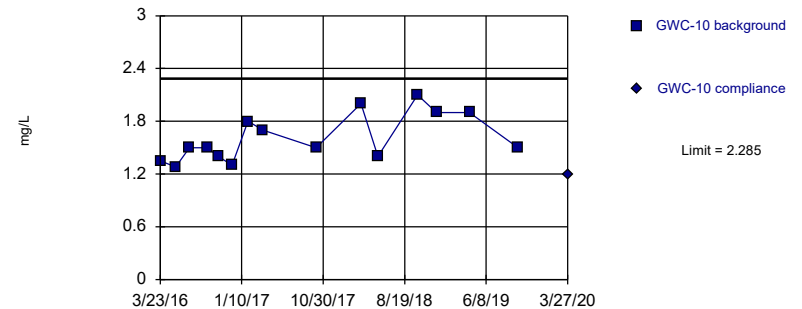
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric



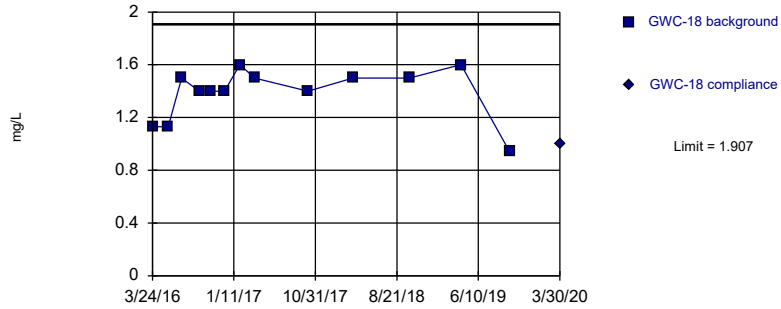
Background Data Summary: Mean=1.609, Std. Dev.=0.269, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9026, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

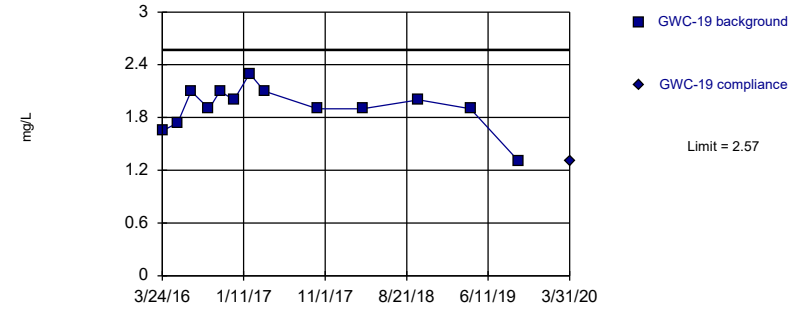


Background Data Summary: Mean=1.385, Std. Dev.=0.1987, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8442, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

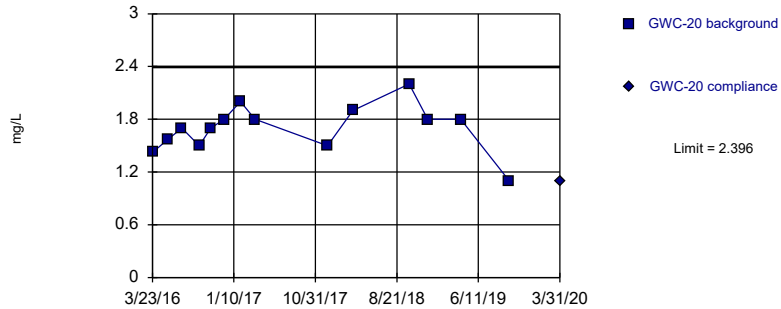


Background Data Summary: Mean=1.915, Std. Dev.=0.2492, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9085, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

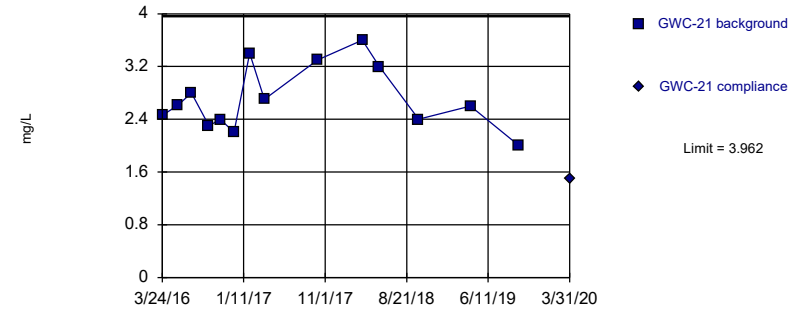


Background Data Summary: Mean=1.7, Std. Dev.=0.2708, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9657, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

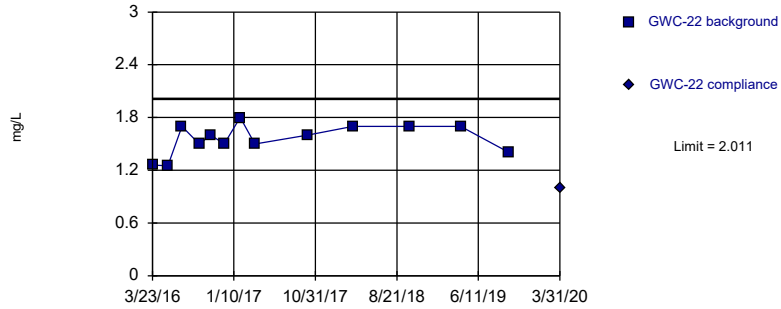
Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

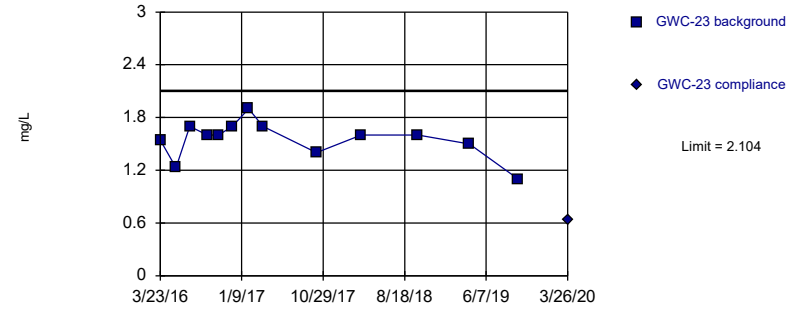
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

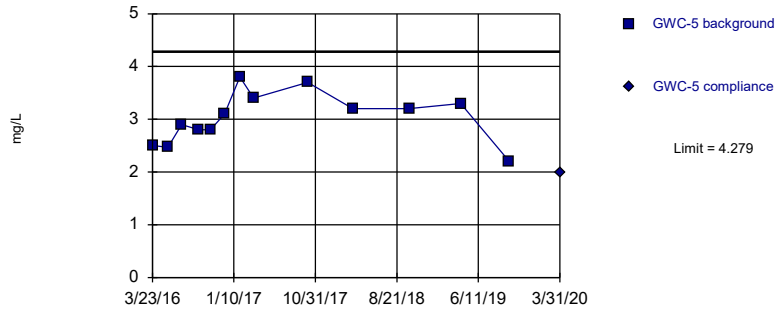
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

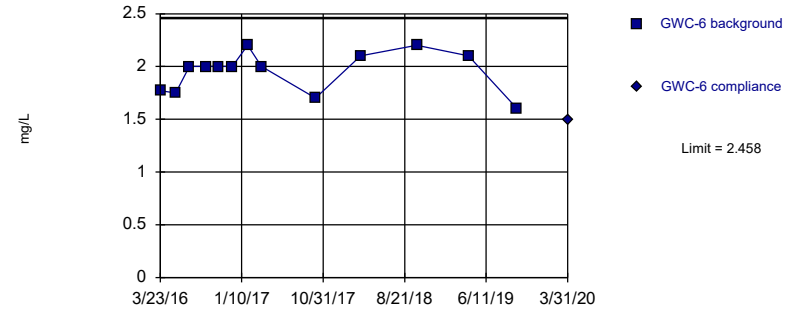
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric

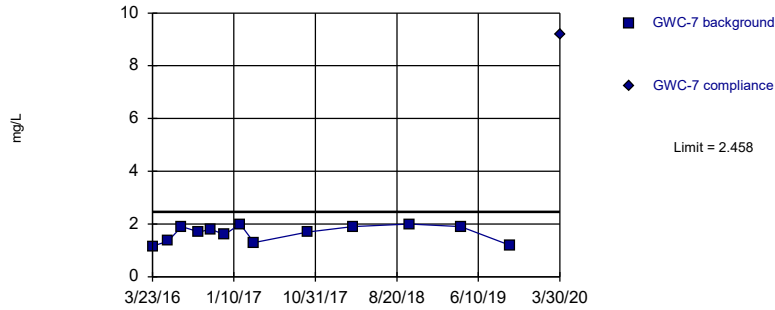


Background Data Summary: Mean=1.955, Std. Dev.=0.1913, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8991, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

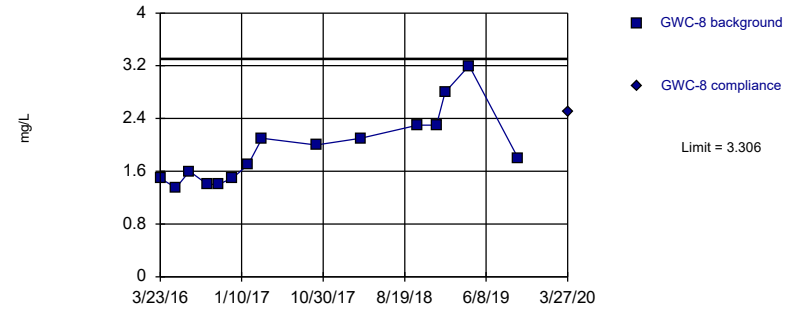


Background Data Summary: Mean=1.654, Std. Dev.=0.3056, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8832, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

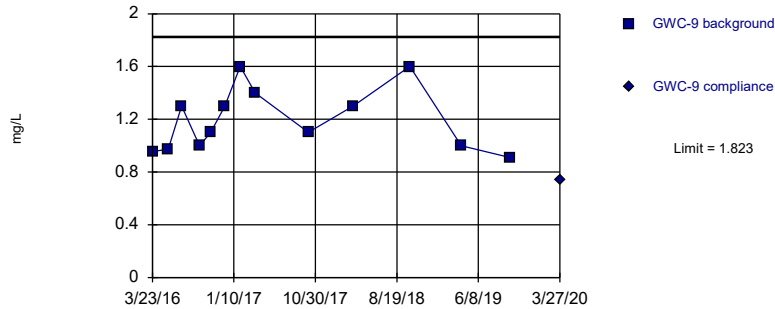


Background Data Summary: Mean=1.936, Std. Dev.=0.545, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8956, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

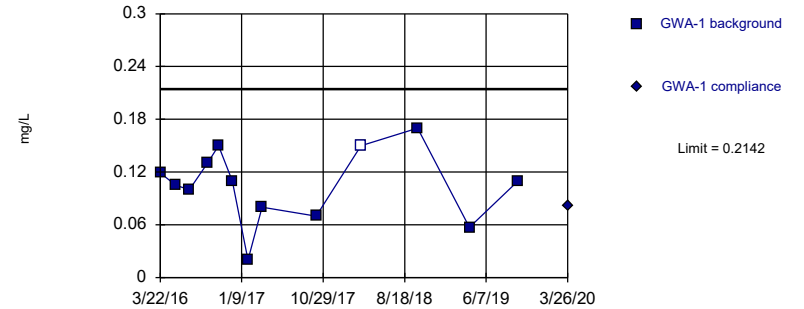


Background Data Summary: Mean=1.195, Std. Dev.=0.239, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8925, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

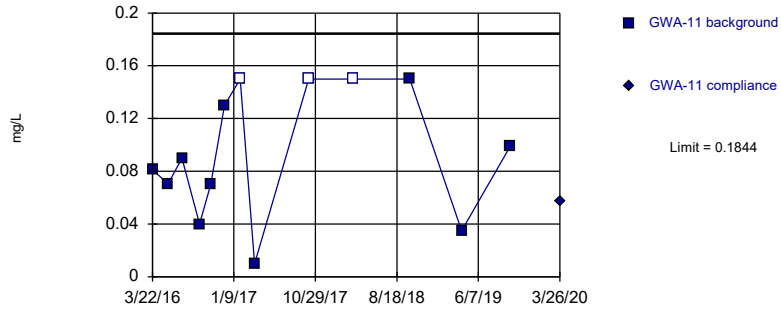


Background Data Summary: Mean=0.1055, Std. Dev.=0.04138, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9745, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

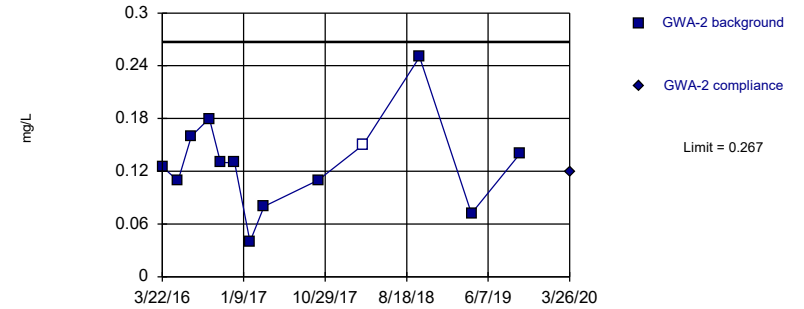


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.07757, Std. Dev.=0.04064, n=13, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.905, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

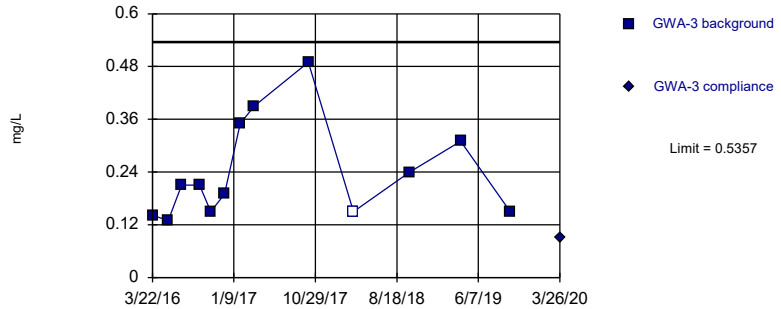


Background Data Summary: Mean=0.1289, Std. Dev.=0.05253, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.96, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

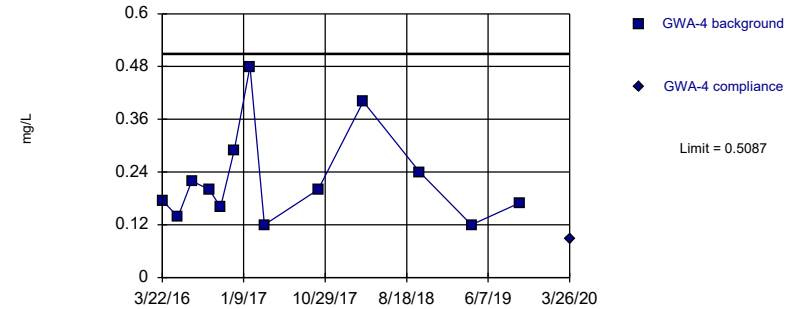


Background Data Summary: Mean=0.2393, Std. Dev.=0.1127, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8611, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

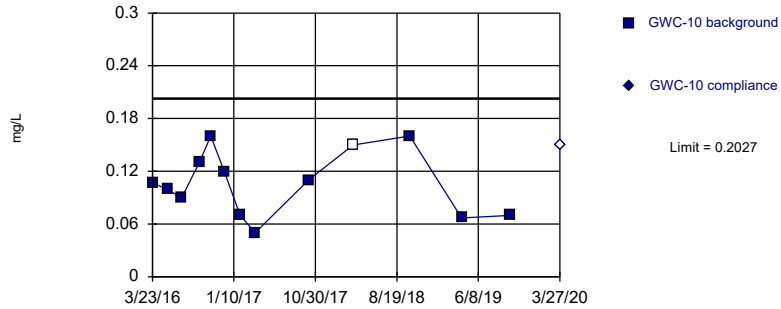


Background Data Summary: Mean=0.2241, Std. Dev.=0.1082, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8369, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

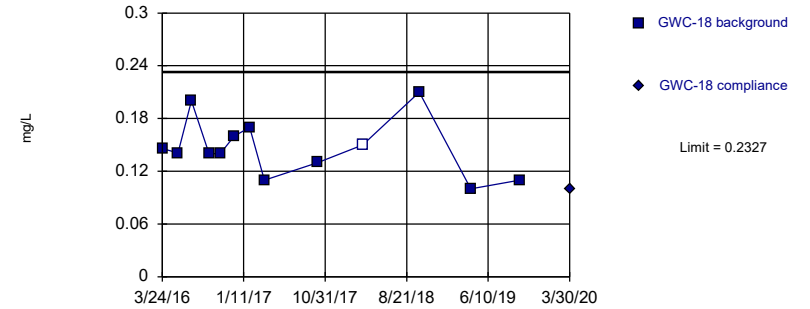


Background Data Summary: Mean=0.1064, Std. Dev.=0.03664, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9437, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

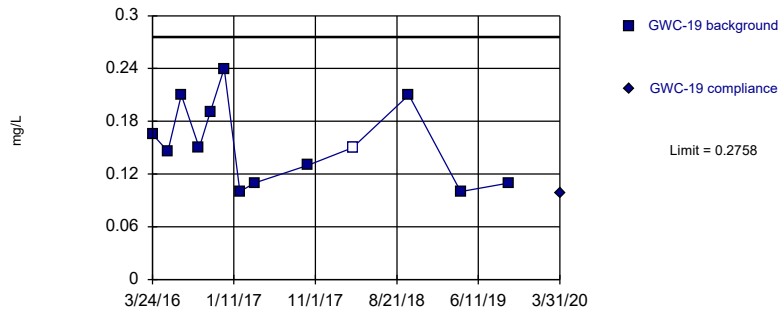


Background Data Summary: Mean=0.1467, Std. Dev.=0.03273, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9391, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

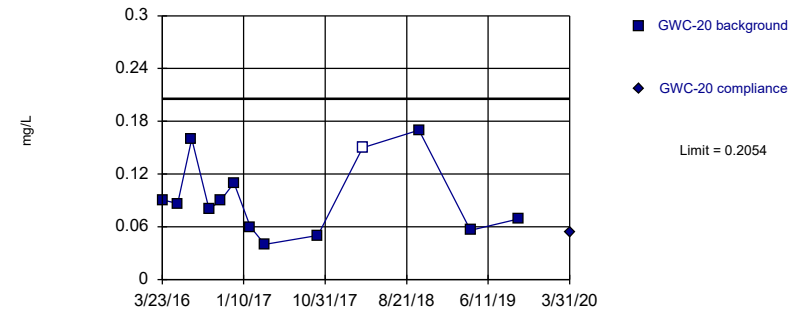


Background Data Summary: Mean=0.1547, Std. Dev.=0.04606, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.925, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

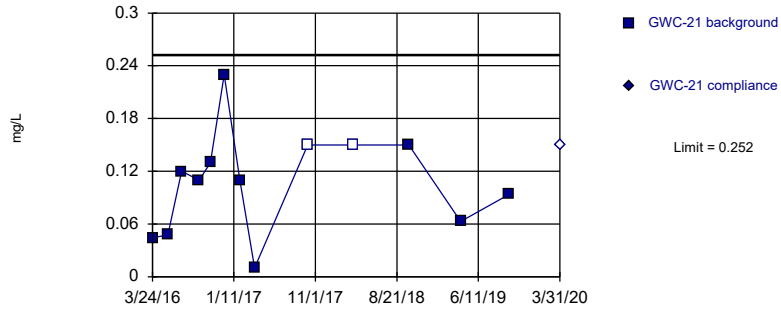


Background Data Summary: Mean=0.09322, Std. Dev.=0.0427, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9005, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

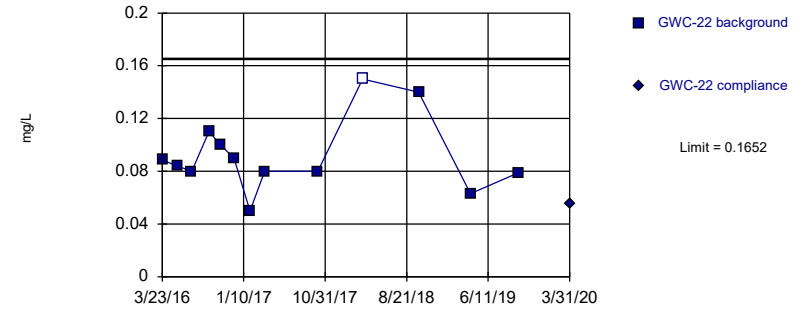


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.09554, Std. Dev.=0.05953, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9628, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

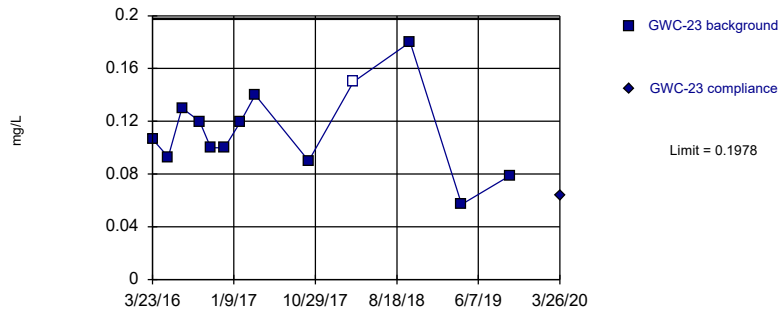


Background Data Summary: Mean=0.09188, Std. Dev.=0.0279, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.899, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

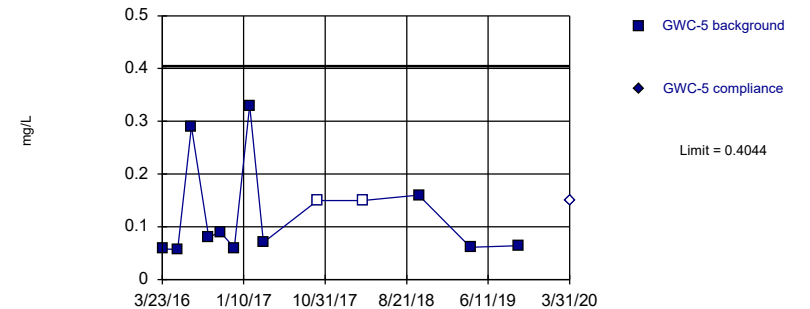


Background Data Summary: Mean=0.1127, Std. Dev.=0.03238, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9828, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

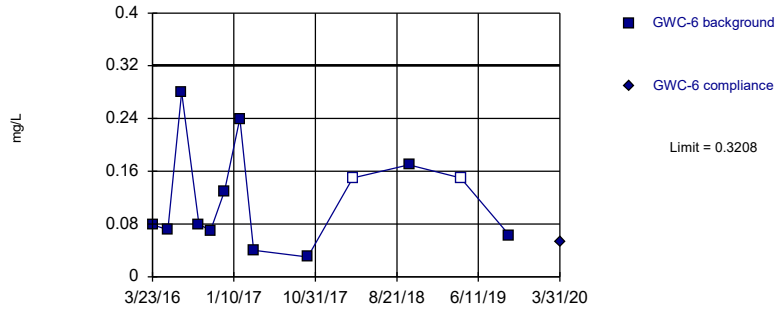
Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

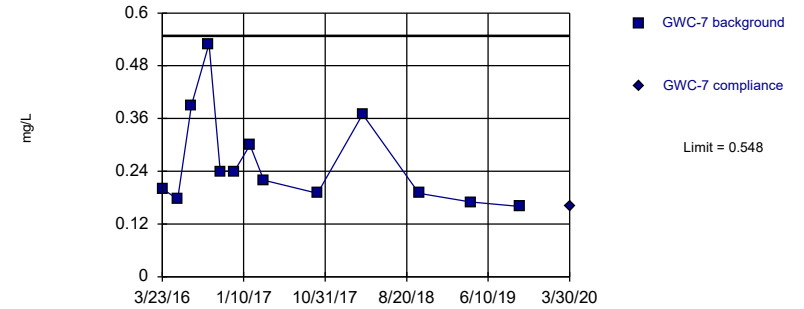
Within Limit Prediction Limit  
 Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

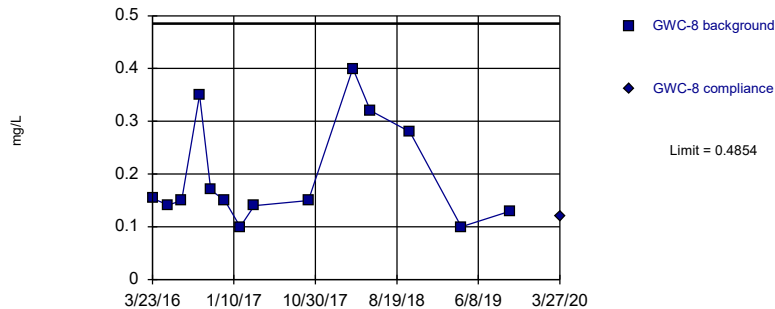
Within Limit Prediction Limit  
 Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

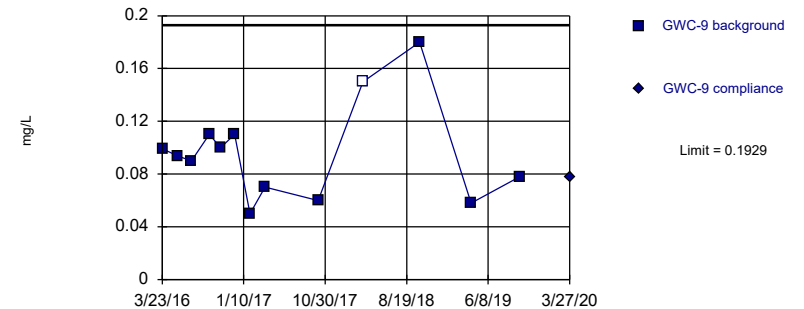
Within Limit Prediction Limit  
 Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
 Intrawell Parametric

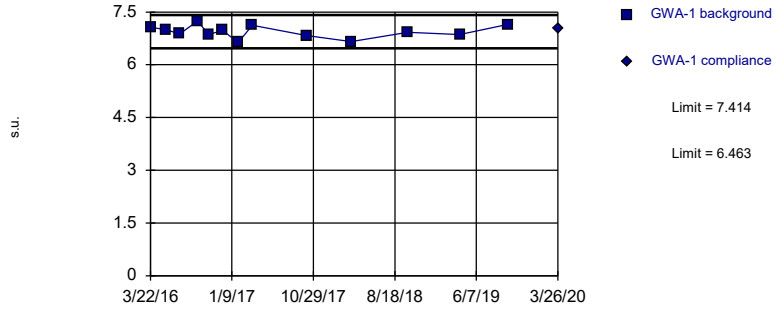


Background Data Summary: Mean=0.09607, Std. Dev.=0.03684, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9147, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

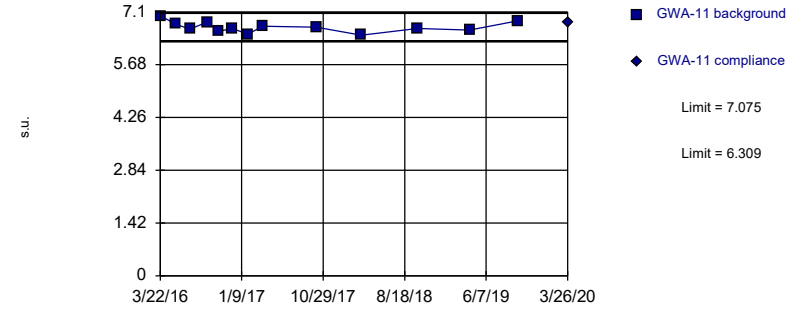


Background Data Summary: Mean=6.938, Std. Dev.=0.1807, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9693, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

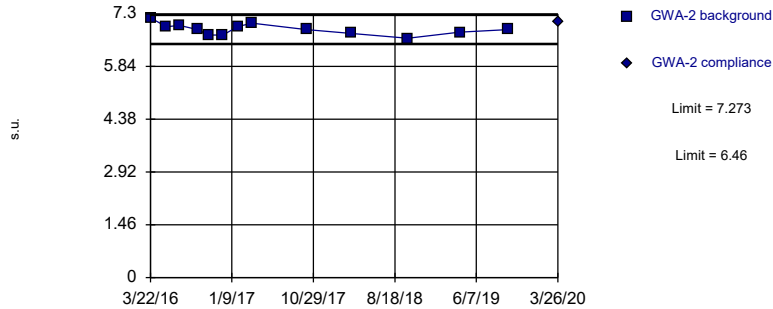


Background Data Summary: Mean=6.692, Std. Dev.=0.1457, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9669, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

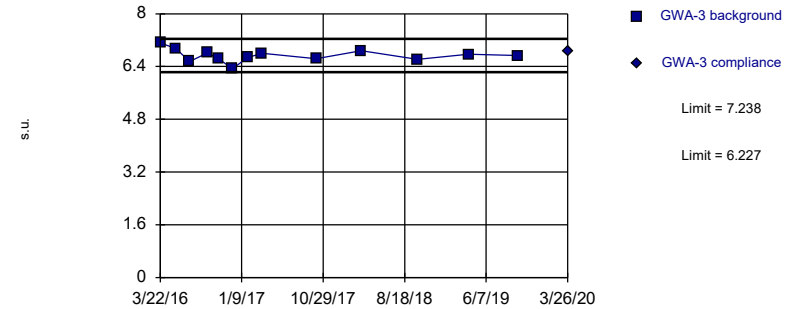


Background Data Summary: Mean=6.867, Std. Dev.=0.1547, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric



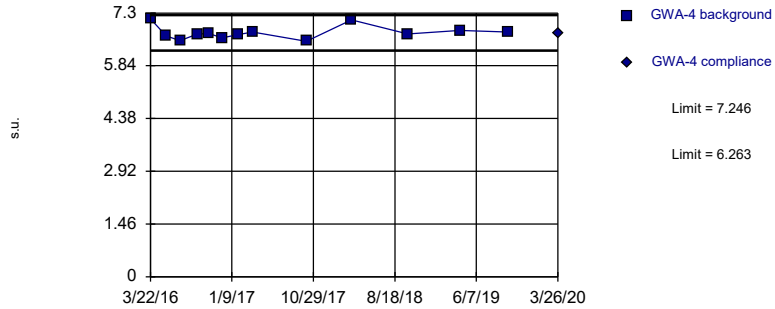
Background Data Summary: Mean=6.732, Std. Dev.=0.1922, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9818, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limits

Prediction Limit  
Intrawell Parametric

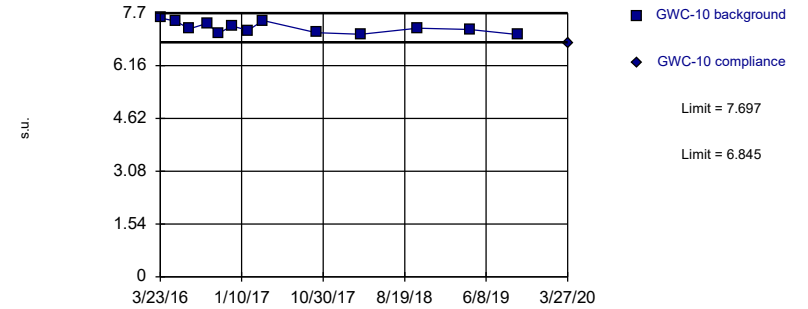


Background Data Summary: Mean=6.755, Std. Dev.=0.1869, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.862, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limits

Prediction Limit  
Intrawell Parametric

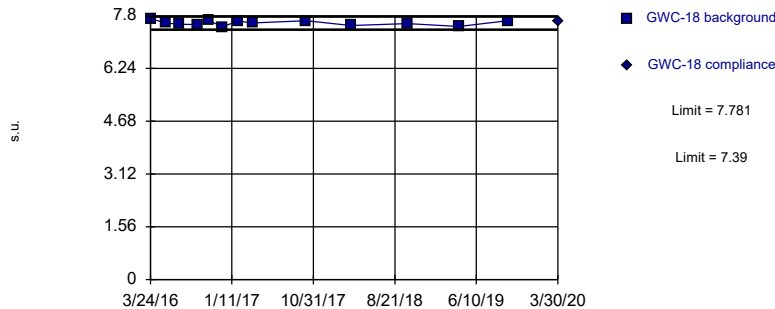


Background Data Summary: Mean=7.271, Std. Dev.=0.162, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9348, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

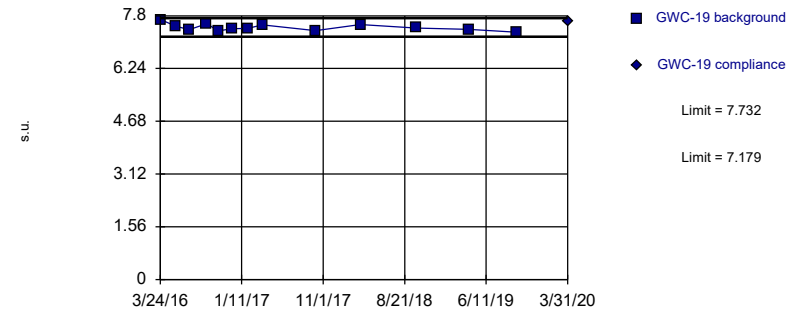


Background Data Summary: Mean=7.585, Std. Dev.=0.07423, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9602, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

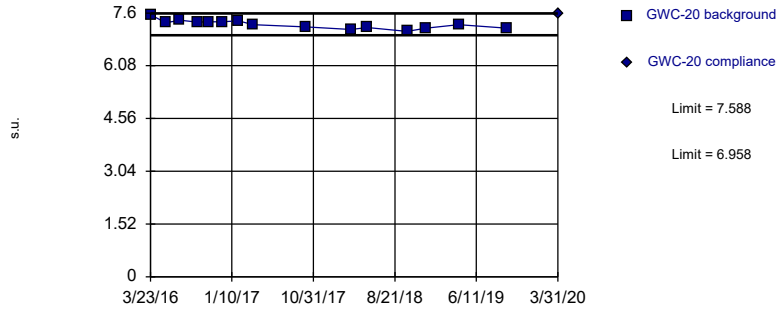


Background Data Summary: Mean=7.455, Std. Dev.=0.1052, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9485, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

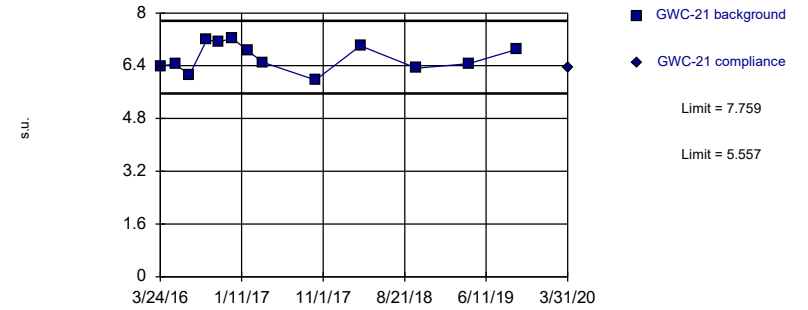


Background Data Summary: Mean=7.273, Std. Dev.=0.1253, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9587, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

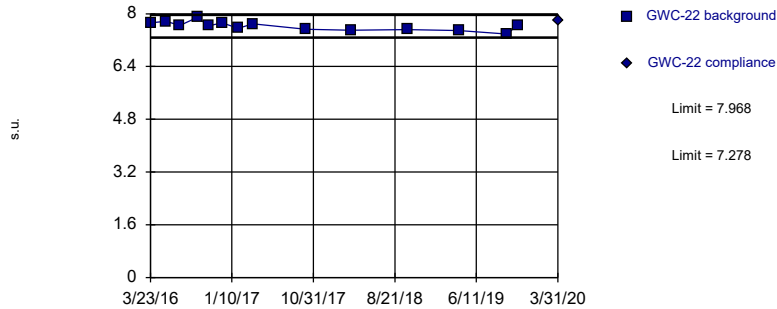


Background Data Summary: Mean=6.658, Std. Dev.=0.4189, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9363, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

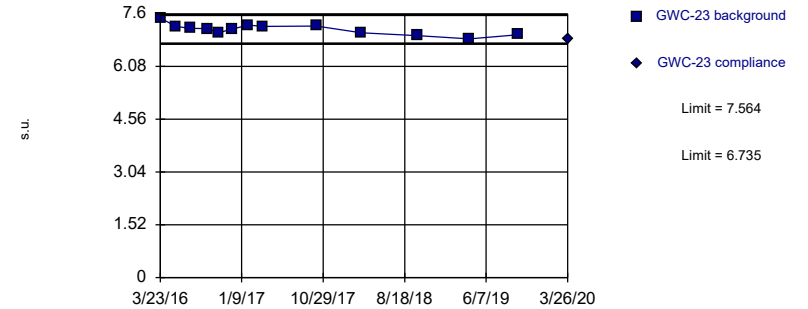


Background Data Summary: Mean=7.623, Std. Dev.=0.1341, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9786, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

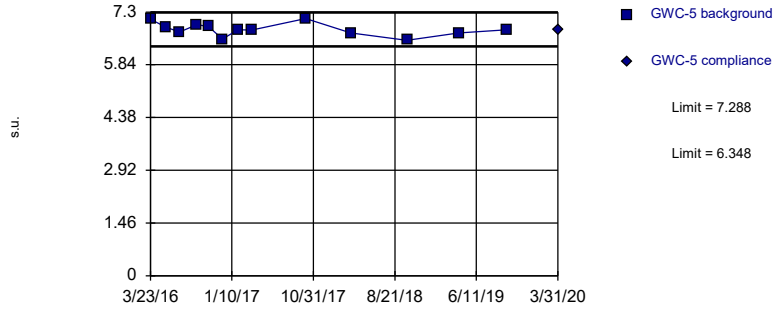


Background Data Summary: Mean=7.149, Std. Dev.=0.1578, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9618, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

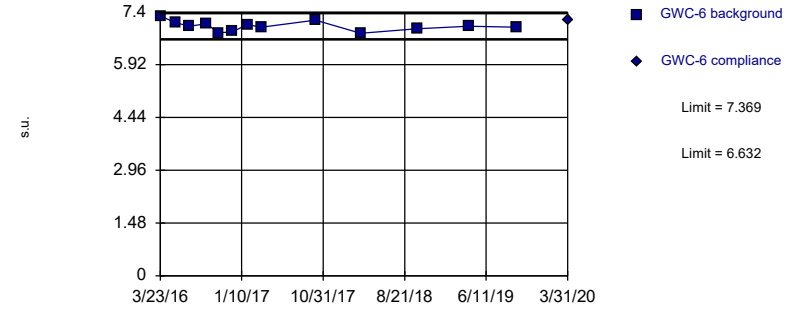


Background Data Summary: Mean=6.818, Std. Dev.=0.1788, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9555, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

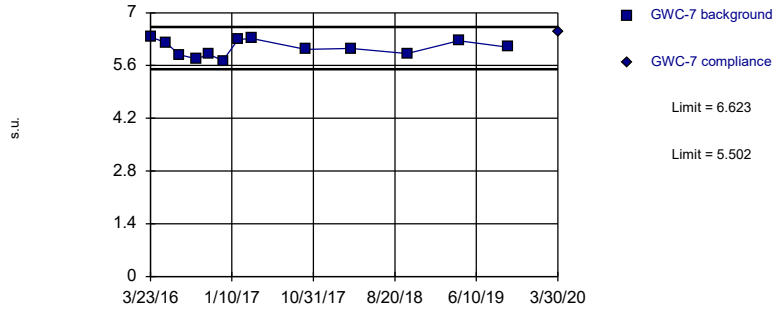


Background Data Summary: Mean=7.001, Std. Dev.=0.1401, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.965, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

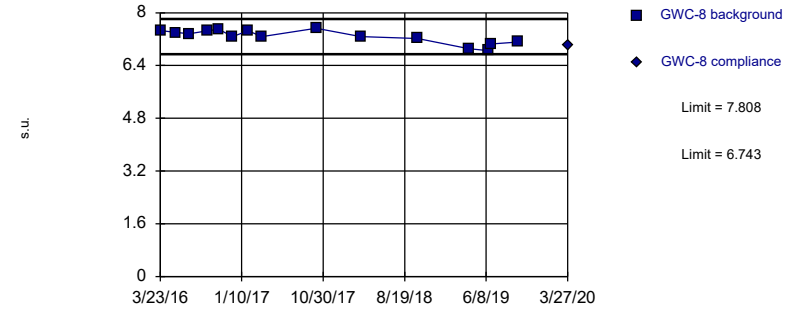


Background Data Summary: Mean=6.062, Std. Dev.=0.2132, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9398, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

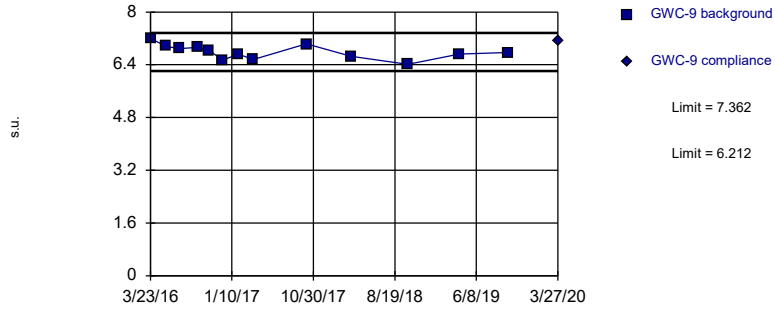


Background Data Summary: Mean=7.275, Std. Dev.=0.2119, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9103, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

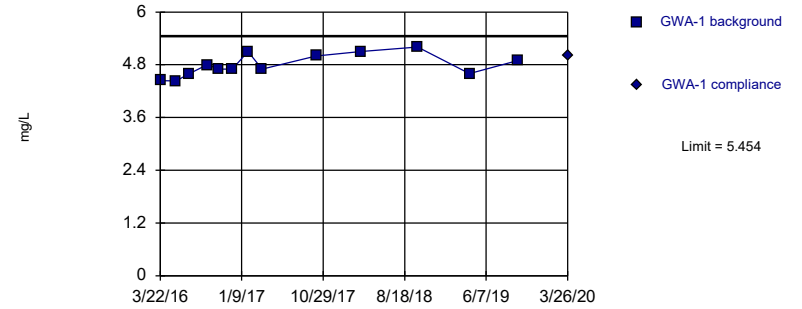


Background Data Summary: Mean=6.787, Std. Dev.=0.2186, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9914, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

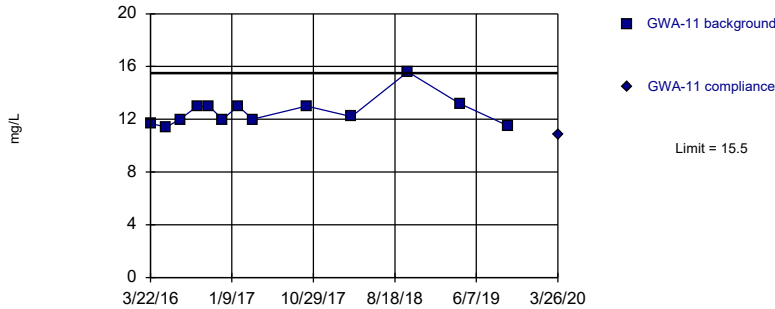


Background Data Summary: Mean=4.79, Std. Dev.=0.2524, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

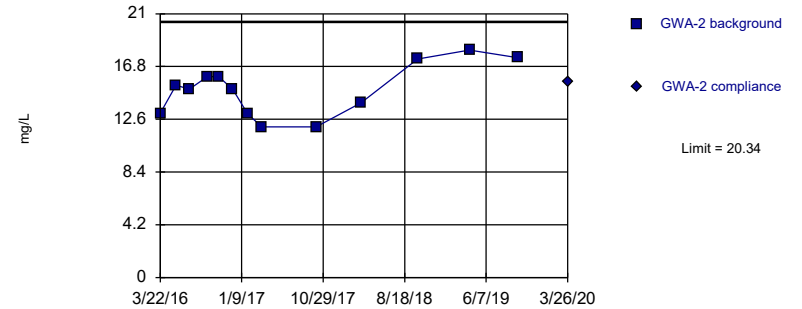


Background Data Summary: Mean=12.58, Std. Dev.=1.108, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8167, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

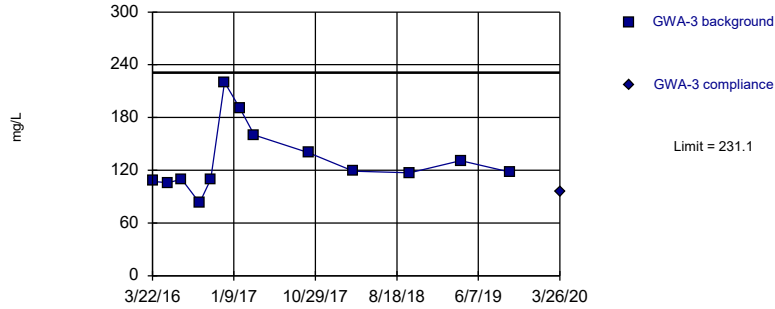
Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

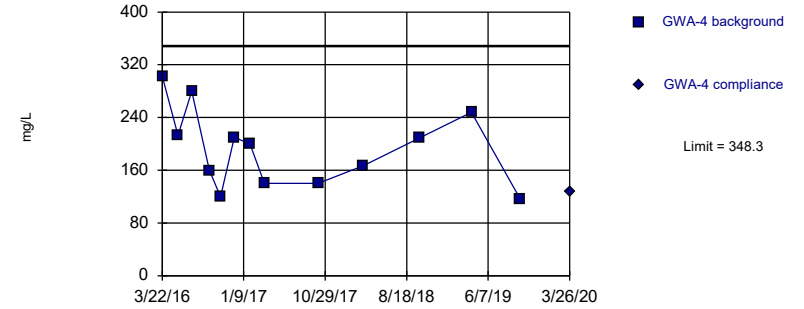
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

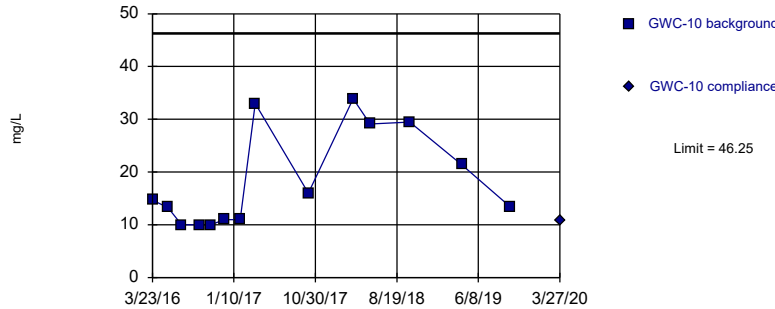
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

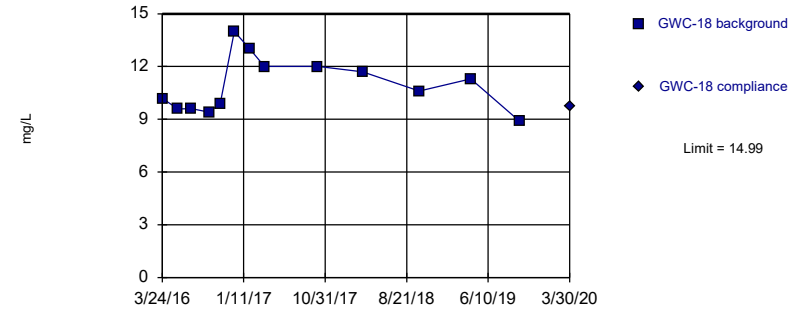
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

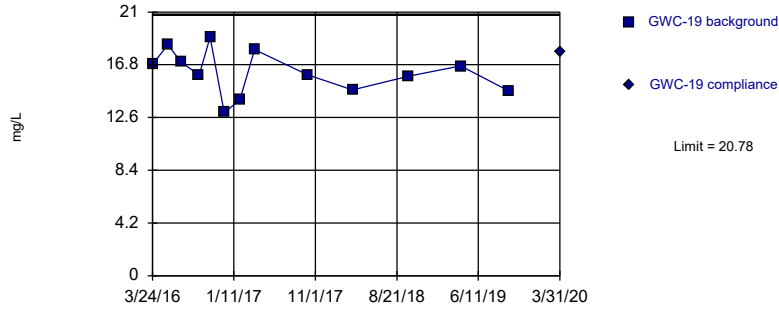
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

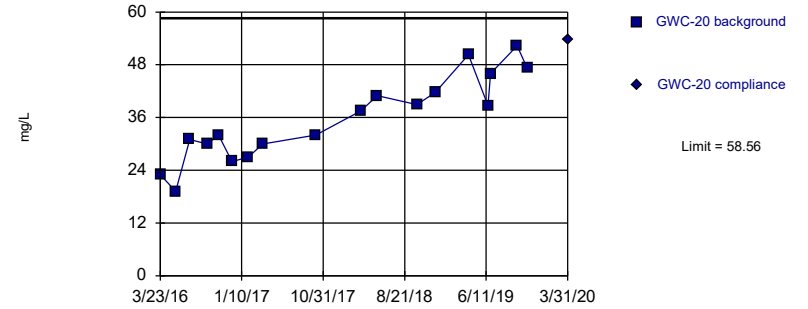
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

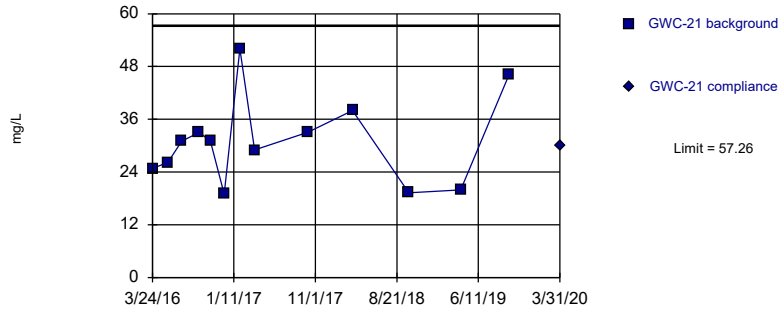
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

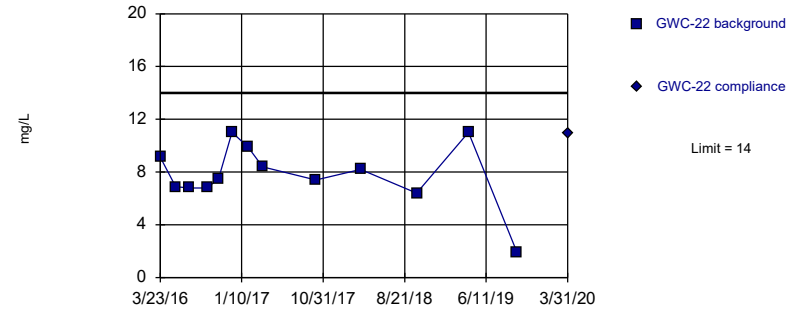
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric

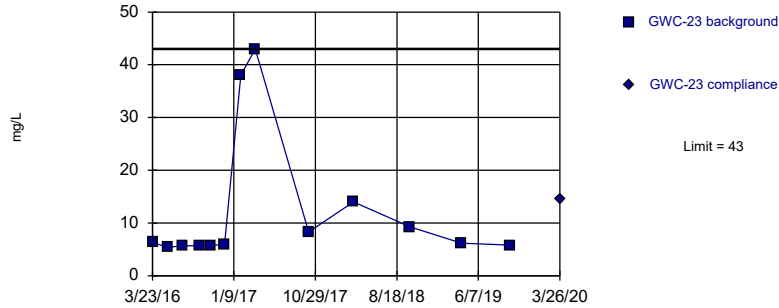


Background Data Summary: Mean=7.792, Std. Dev.=2.363, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8985, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

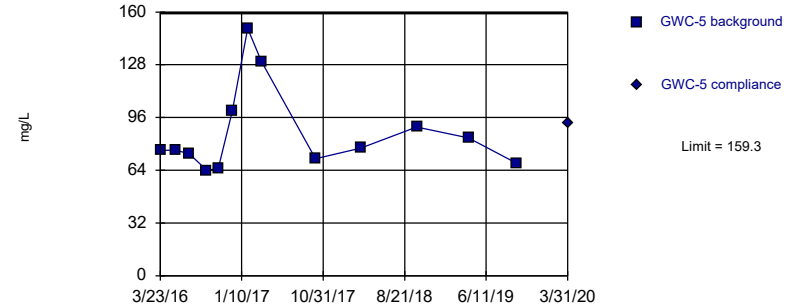


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Sulfate Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

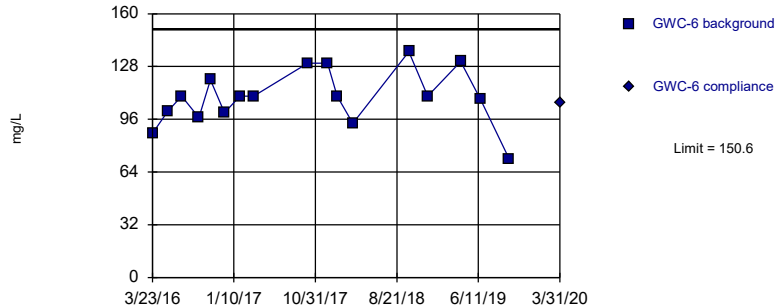


Background Data Summary (based on square root transformation): Mean=9.222, Std. Dev.=1.293, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8196, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

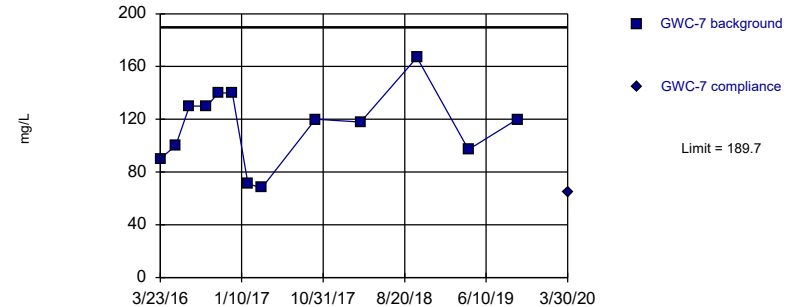


Background Data Summary: Mean=109.2, Std. Dev.=17.06, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9548, critical = 0.851. Kappa = 2.427 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

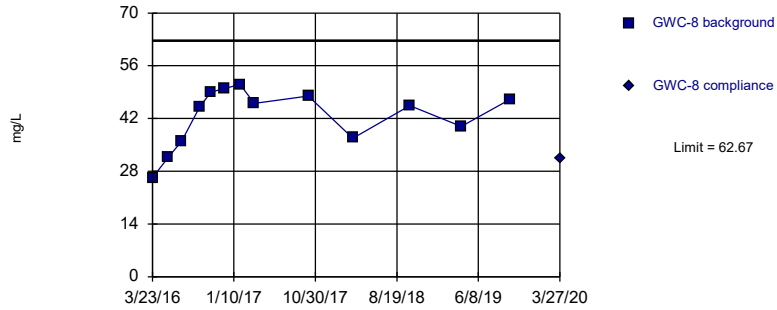
Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

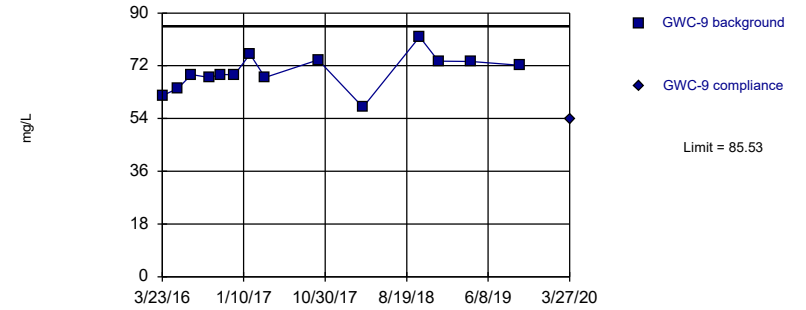
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

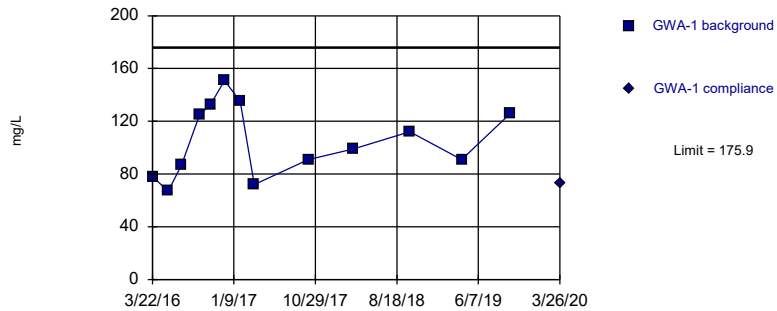
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

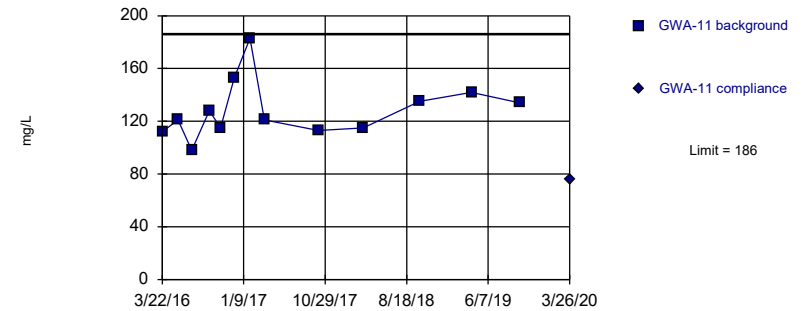
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric

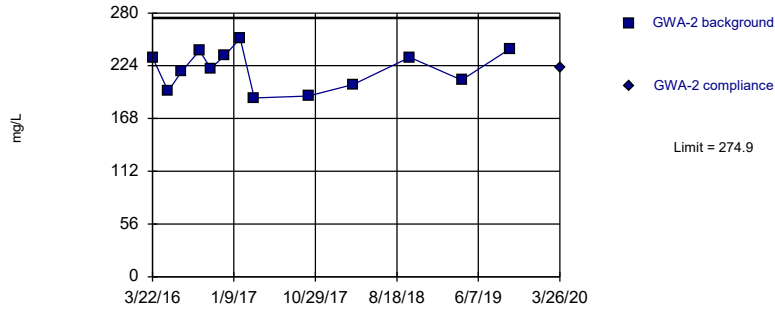


Background Data Summary: Mean=128.5, Std. Dev.=21.88, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9038, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



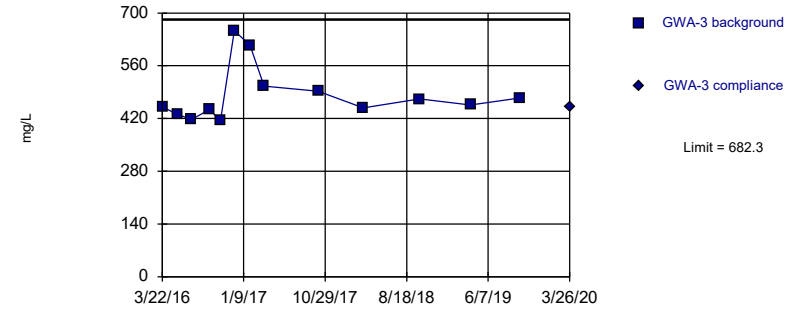
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

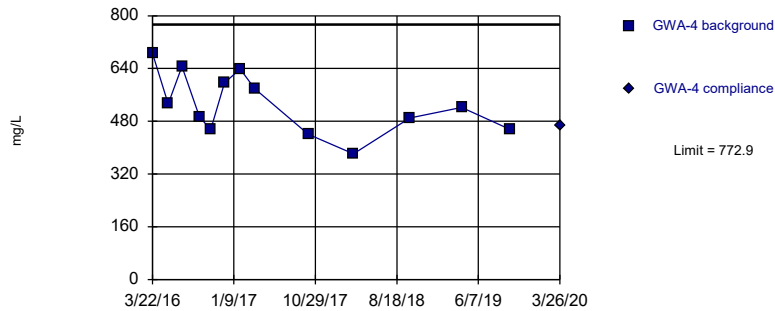
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 1:59 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

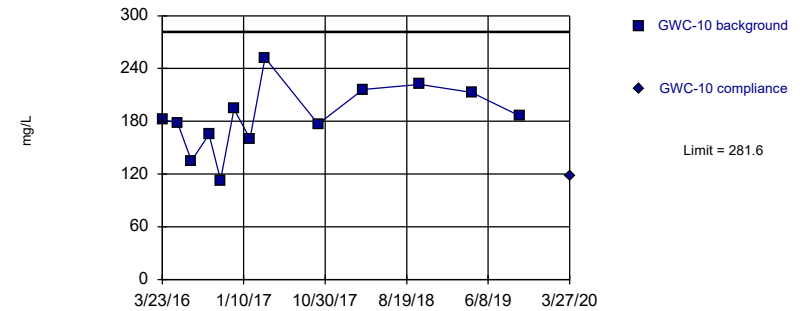
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric

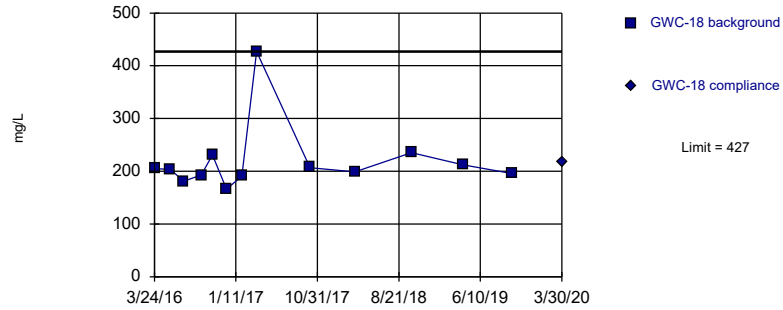


Background Data Summary: Mean=184.1, Std. Dev.=37.09, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9837, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

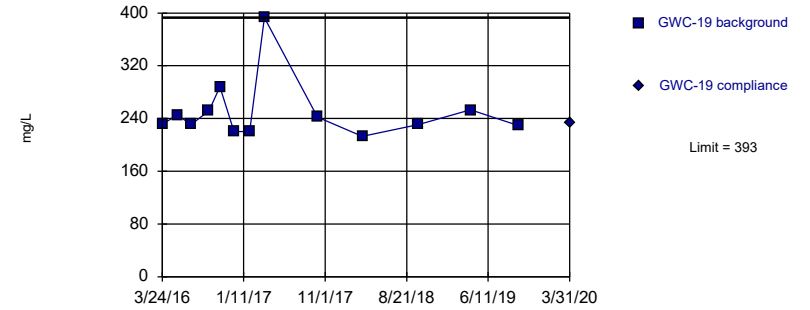


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

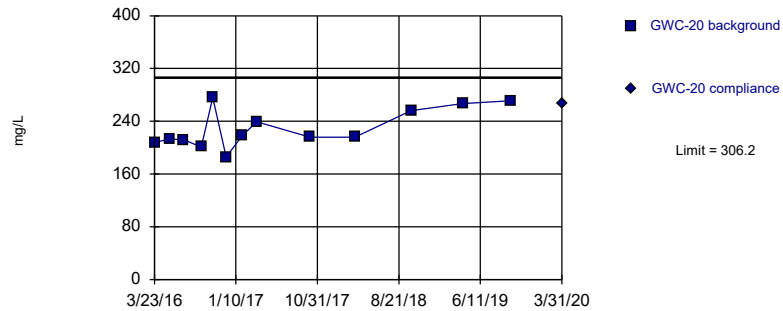


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

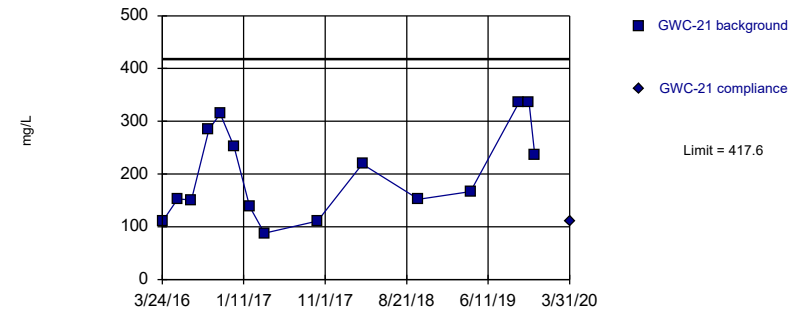


Background Data Summary: Mean=229.2, Std. Dev.=29.3, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8995, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

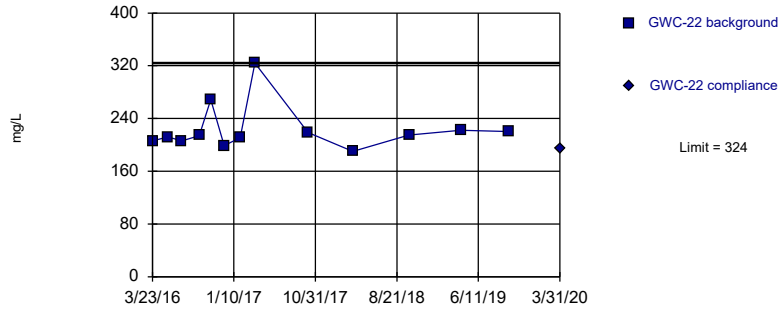
Prediction Limit  
Intrawell Parametric



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 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

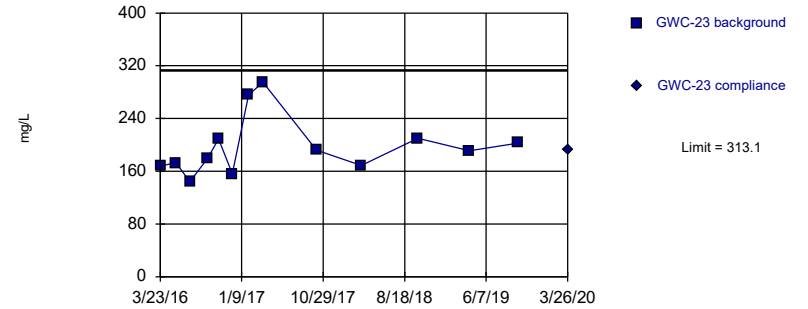
Within Limit Prediction Limit  
Intrawell Non-parametric



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 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

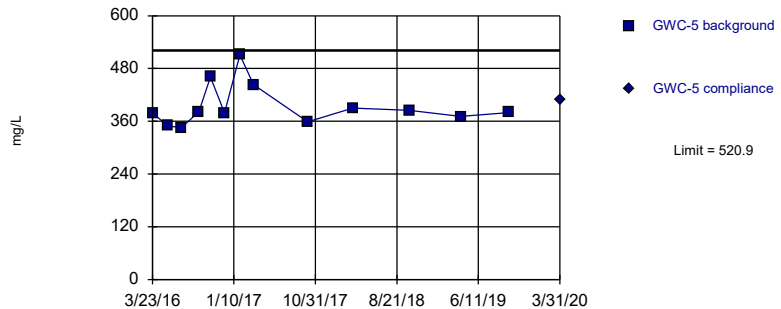
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

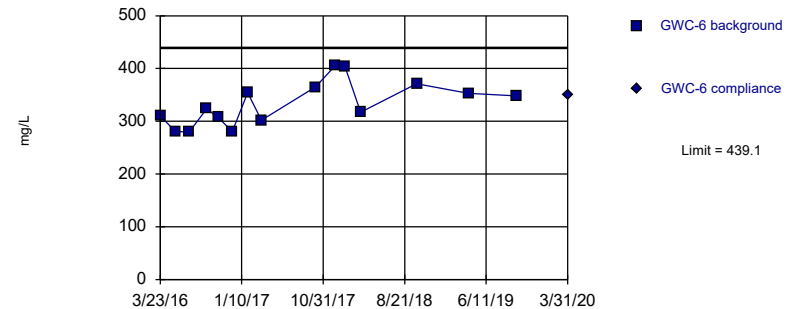
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

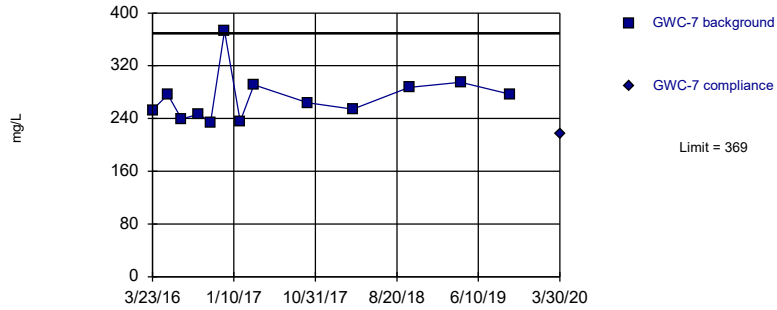
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

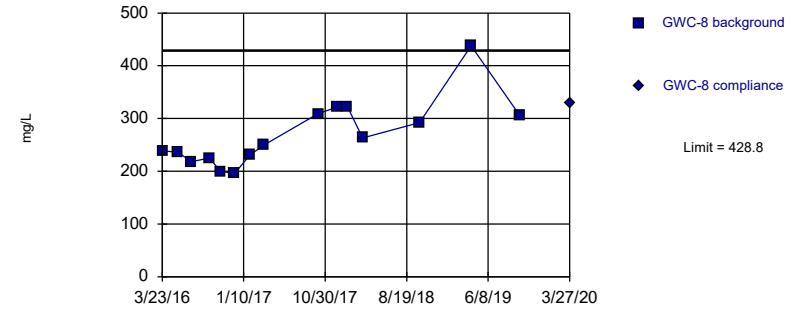
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

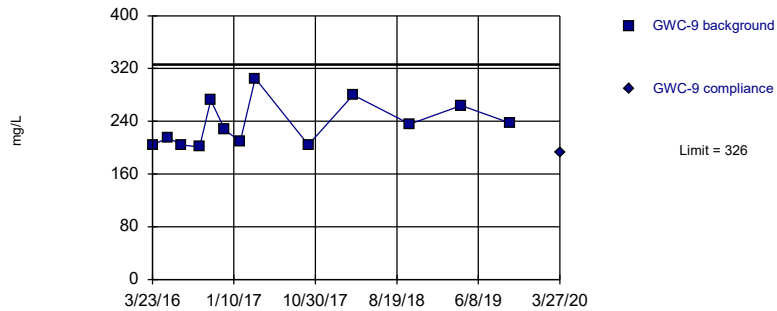
Within Limit Prediction Limit  
Intrawell Parametric



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 8/12/2020 2:00 PM View: PL's - Federal  
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 8/12/2020 2:00 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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 (J)	
3/31/2020		0.091 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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 (J)	
3/27/2020		0.056 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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)



# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:09 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 8/12/2020 2:10 PM View: PL's - Federal  
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

FIGURE G.

# Trend Test Summary (Federal) - Significant Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 8/13/2020, 8:30 AM

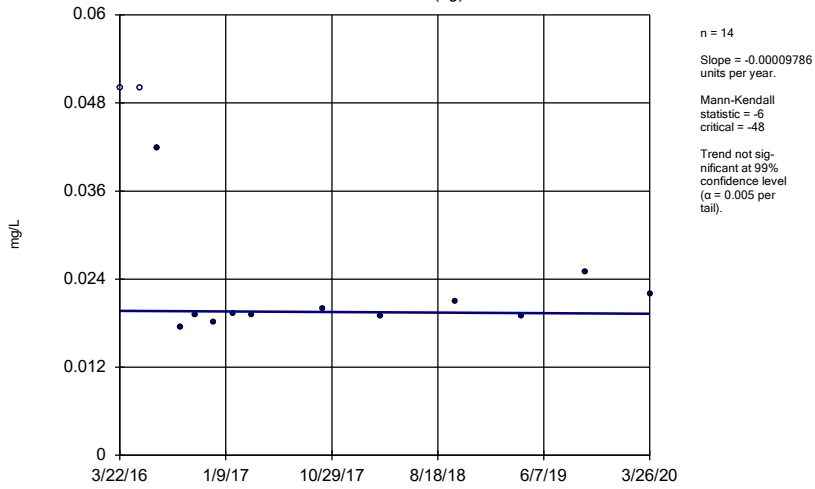
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
<b>Boron (mg/L)</b>	<b>GWC-8</b>	<b>0.007378</b>	<b>58</b>	<b>48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>pH (s.u.)</b>	<b>GWC-10</b>	<b>-0.1134</b>	<b>-51</b>	<b>-48</b>	<b>Yes</b>	<b>14</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>

# Trend Test Summary (Federal) - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 8:30 AM

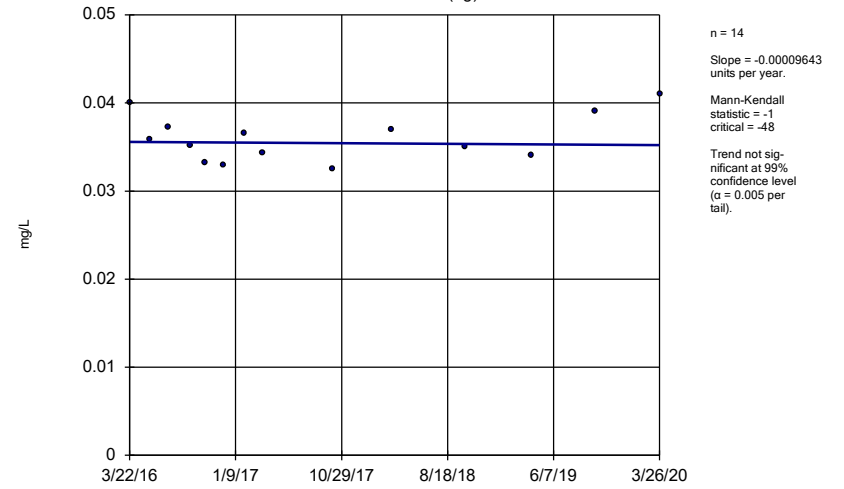
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GWA-1 (bg)	-0.00009786	-6	-48	No	14	14.29	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-11 (bg)	-0.00009643	-1	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-2 (bg)	-0.001436	-15	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-3 (bg)	0.002072	4	48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-4 (bg)	-0.003283	-13	-48	No	14	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWC-6	0.001163	28	53	No	15	0	n/a	n/a	0.01	NP
<b>Boron (mg/L)</b>	<b>GWC-8</b>	<b>0.007378</b>	<b>58</b>	<b>48</b>	<b>Yes</b>	<b>14</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)	-0.03389	-4	-48	No	14	7.143	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-11 (bg)	-0.08391	-4	-48	No	14	7.143	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-2 (bg)	-0.5958	-9	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-3 (bg)	0.7795	9	48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWA-4 (bg)	-5.451	-27	-48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-19	0.1213	3	48	No	14	0	n/a	n/a	0.01	NP
Calcium (mg/L)	GWC-20	2.471	35	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-1 (bg)	0	8	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-11 (bg)	0.003456	8	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	0.07228	17	48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-3 (bg)	-0.1718	-24	-48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-4 (bg)	-0.03551	-2	-48	No	14	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-7	0.173	30	48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	GWA-1 (bg)	-0.0312	-8	-48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	GWA-11 (bg)	-0.03008	-9	-48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	GWA-2 (bg)	-0.04588	-15	-48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	GWA-3 (bg)	-0.01474	-6	-48	No	14	0	n/a	n/a	0.01	NP
pH (s.u.)	GWA-4 (bg)	0.01813	17	48	No	14	0	n/a	n/a	0.01	NP
<b>pH (s.u.)</b>	<b>GWC-10</b>	<b>-0.1134</b>	<b>-51</b>	<b>-48</b>	<b>Yes</b>	<b>14</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)



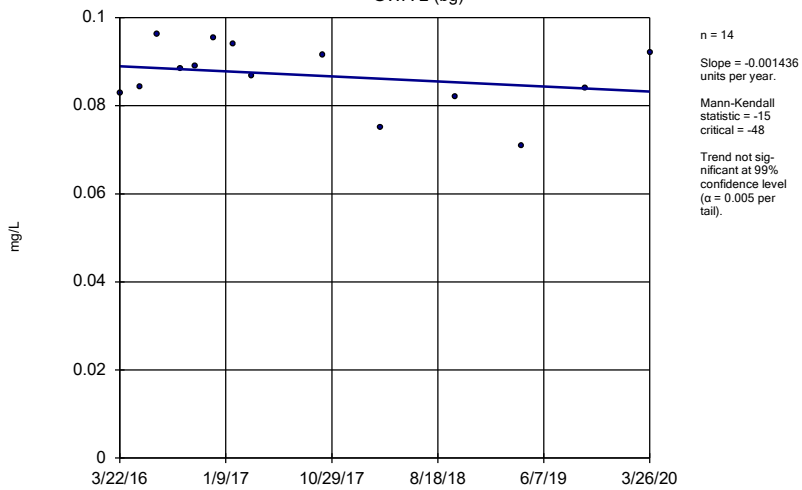
Constituent: Boron Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWA-11 (bg)



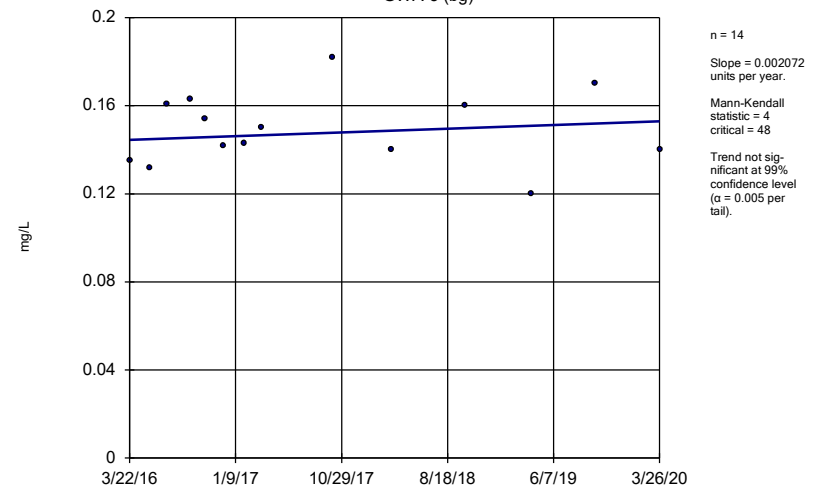
Constituent: Boron Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator GWA-2 (bg)



Constituent: Boron Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

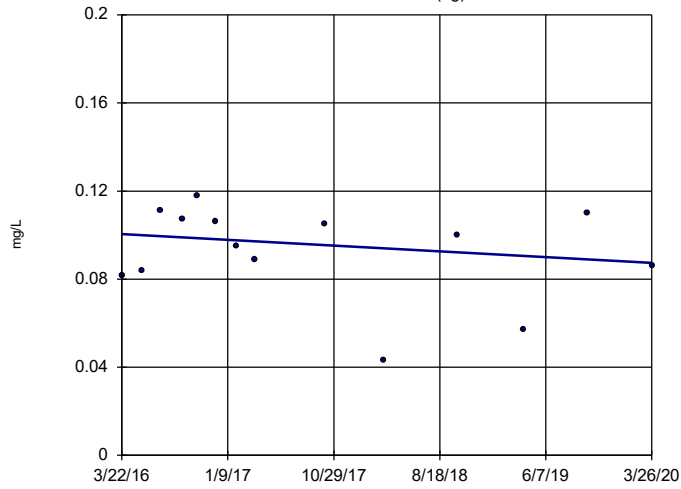
### Sen's Slope Estimator GWA-3 (bg)



Constituent: Boron Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWA-4 (bg)

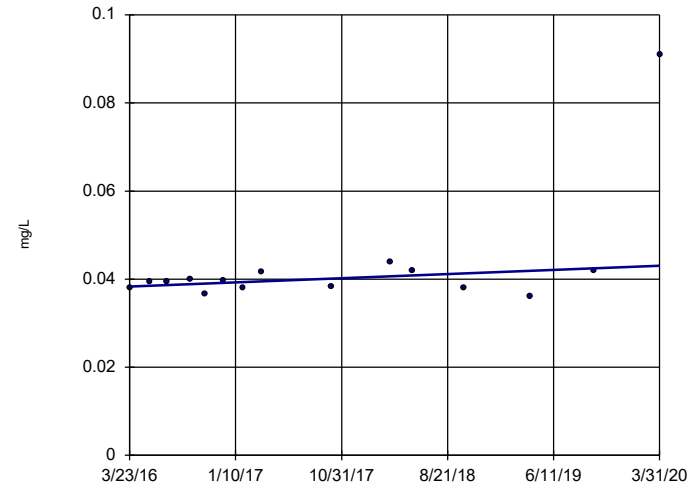


n = 14  
 Slope = -0.003283  
 units per year.  
 Mann-Kendall  
 statistic = -13  
 critical = -48  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Boron Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWC-6

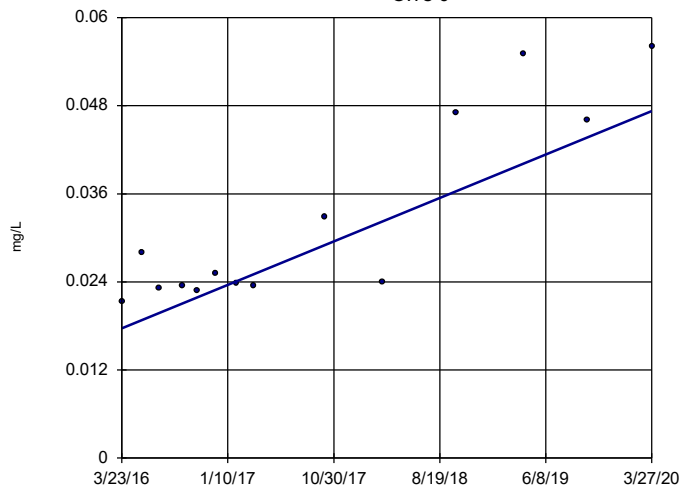


n = 15  
 Slope = 0.001163  
 units per year.  
 Mann-Kendall  
 statistic = 28  
 critical = 53  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Boron Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWC-8



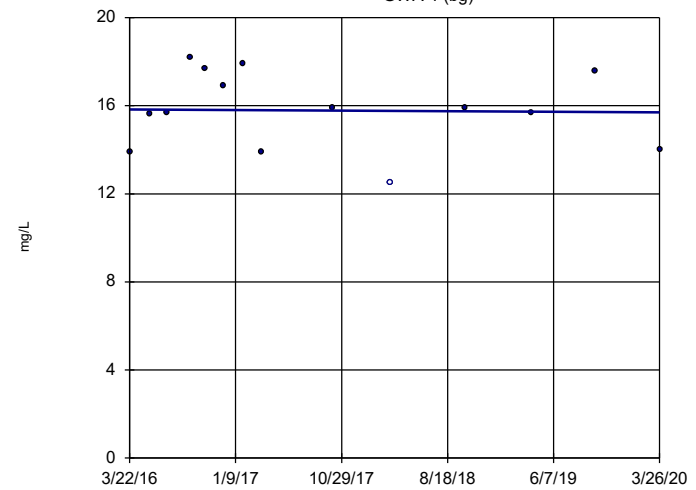
n = 14  
 Slope = 0.007378  
 units per year.  
 Mann-Kendall  
 statistic = 58  
 critical = 48  
 Increasing trend  
 significant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Boron Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Hollow symbols indicate censored values.

### Sen's Slope Estimator

GWA-1 (bg)



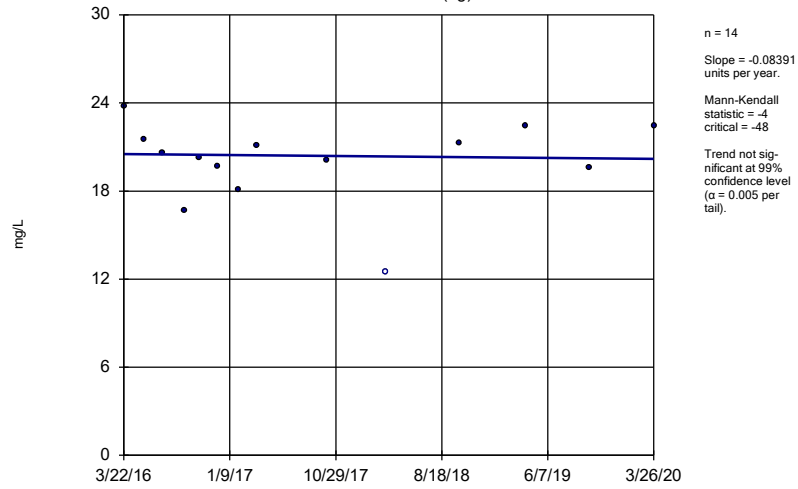
n = 14  
 Slope = -0.03389  
 units per year.  
 Mann-Kendall  
 statistic = -4  
 critical = -48  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Calcium Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



### Sen's Slope Estimator

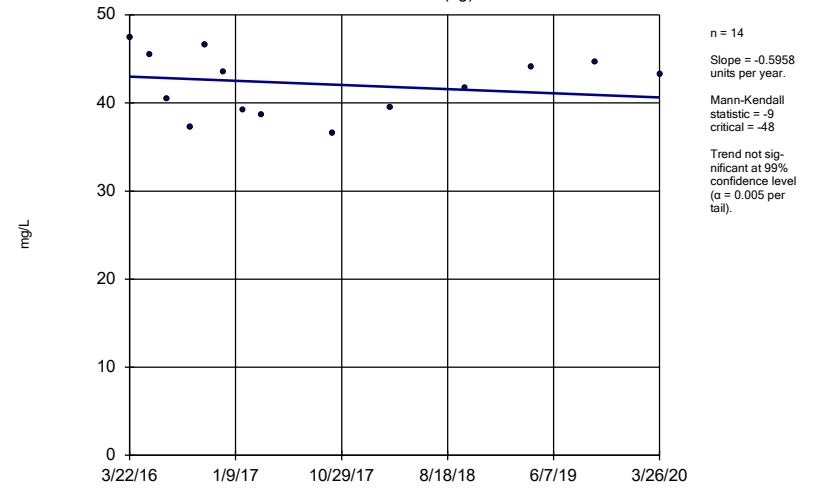
GWA-11 (bg)



Constituent: Calcium Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

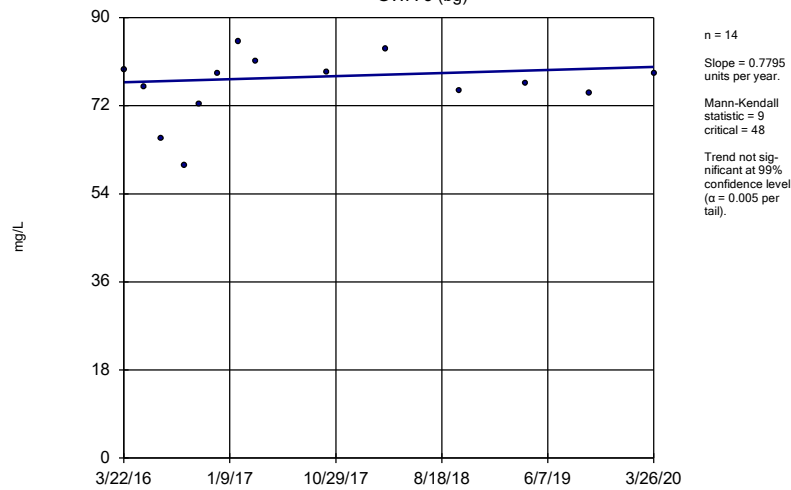
GWA-2 (bg)



Constituent: Calcium Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

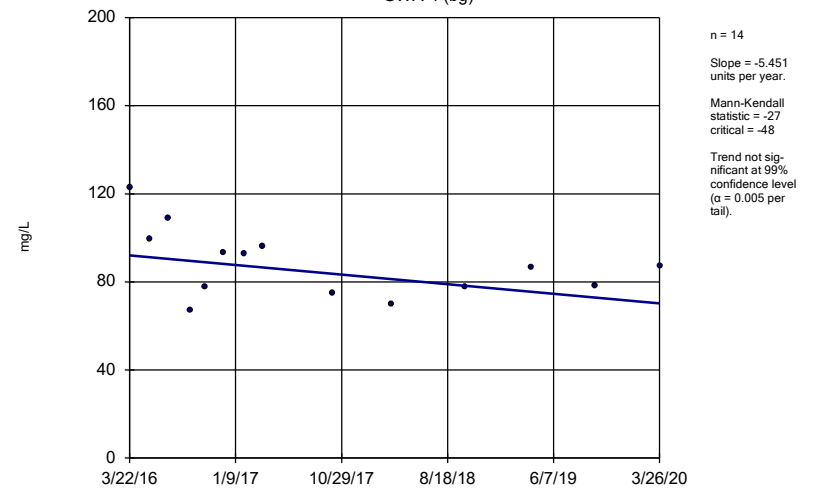
GWA-3 (bg)



Constituent: Calcium Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

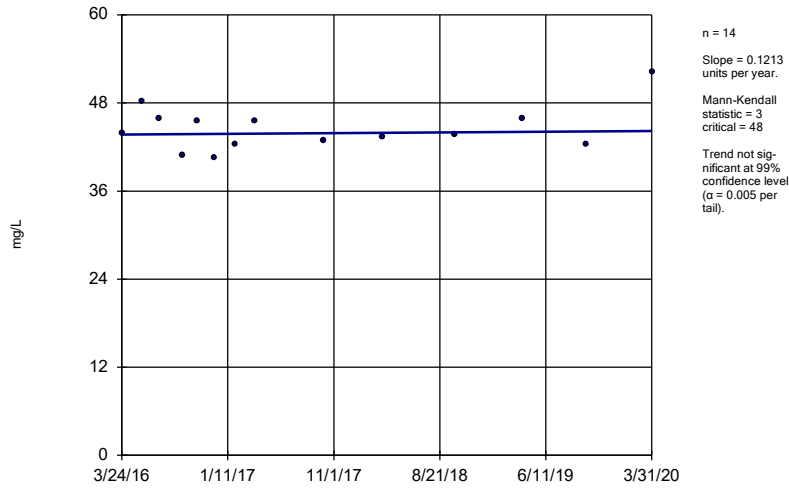
### Sen's Slope Estimator

GWA-4 (bg)



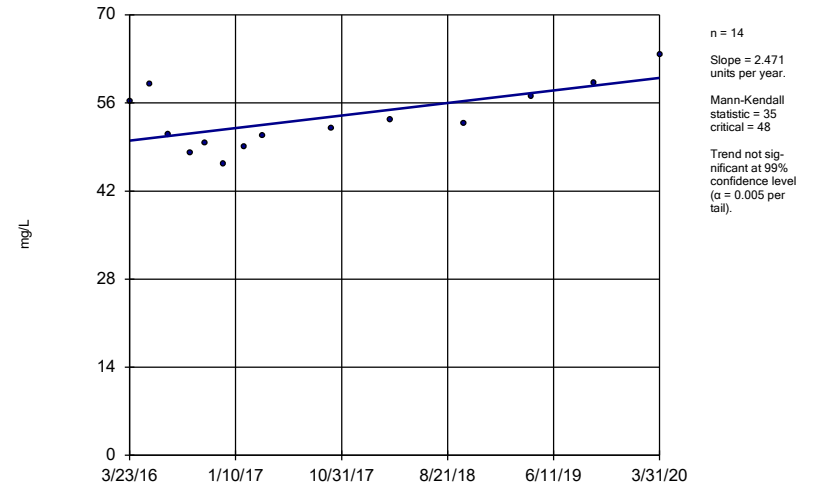
Constituent: Calcium Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWC-19



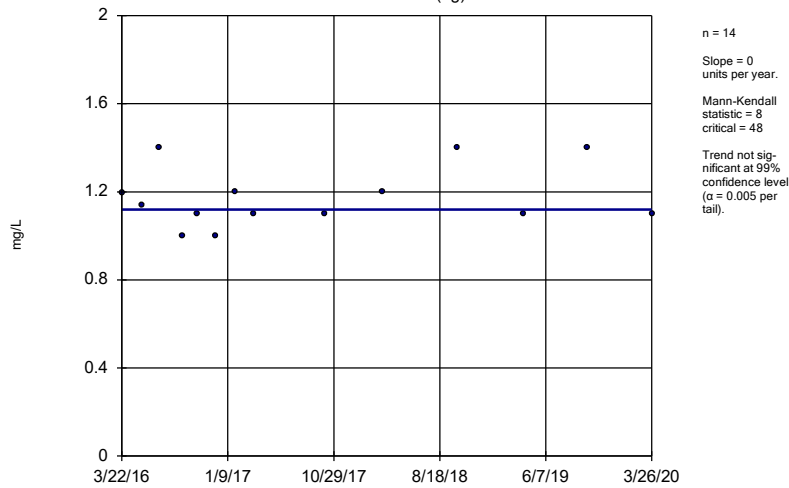
Constituent: Calcium Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWC-20



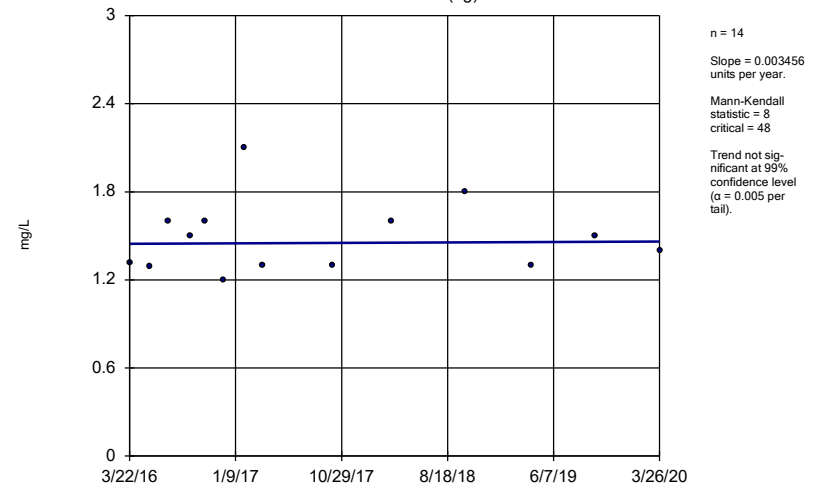
Constituent: Calcium Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
GWA-1 (bg)



Constituent: Chloride Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

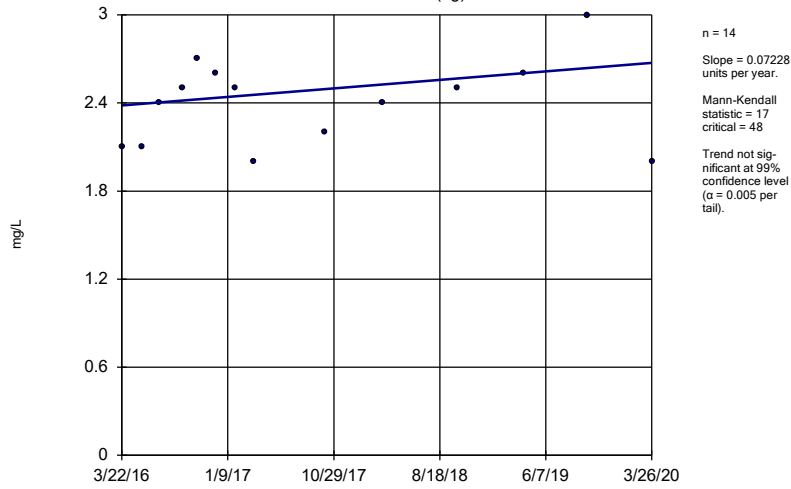
Sen's Slope Estimator  
GWA-11 (bg)



Constituent: Chloride Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

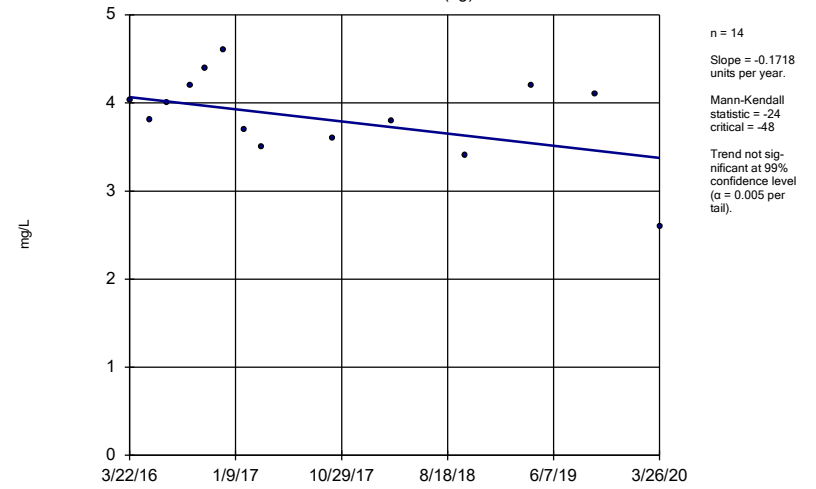
GWA-2 (bg)



Constituent: Chloride Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

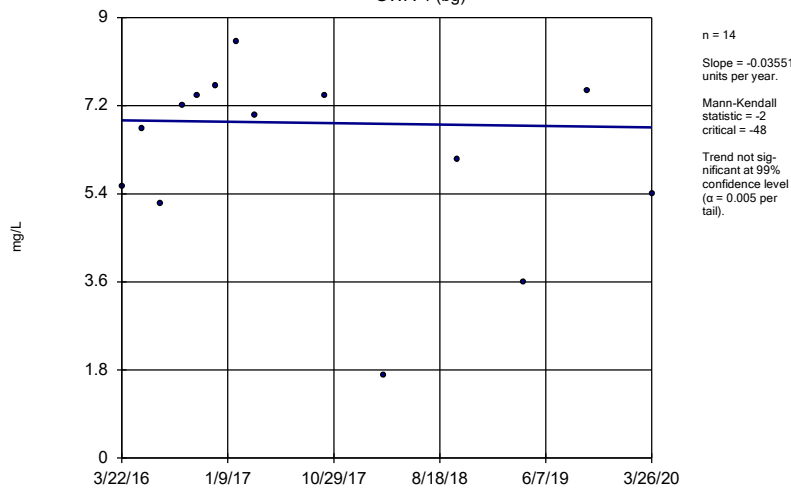
GWA-3 (bg)



Constituent: Chloride Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

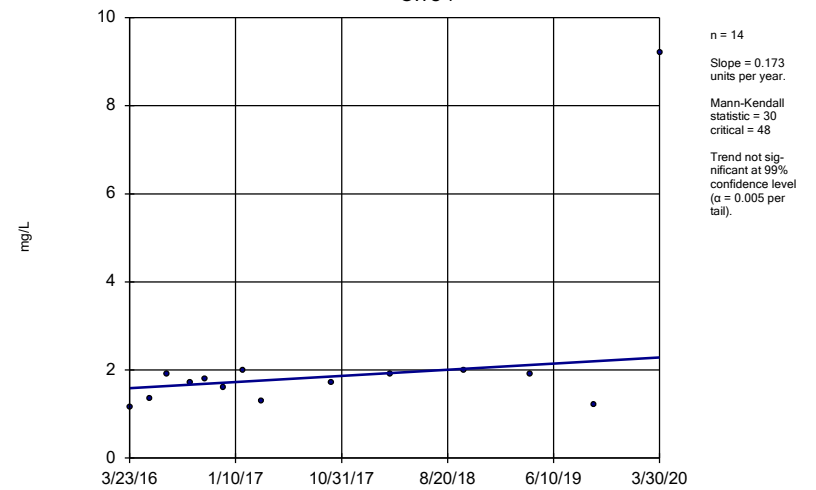
GWA-4 (bg)



Constituent: Chloride Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

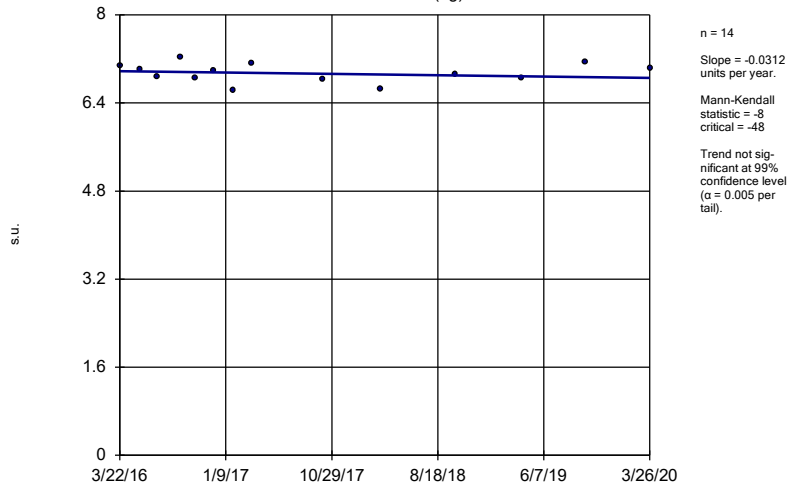
GWC-7



Constituent: Chloride Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

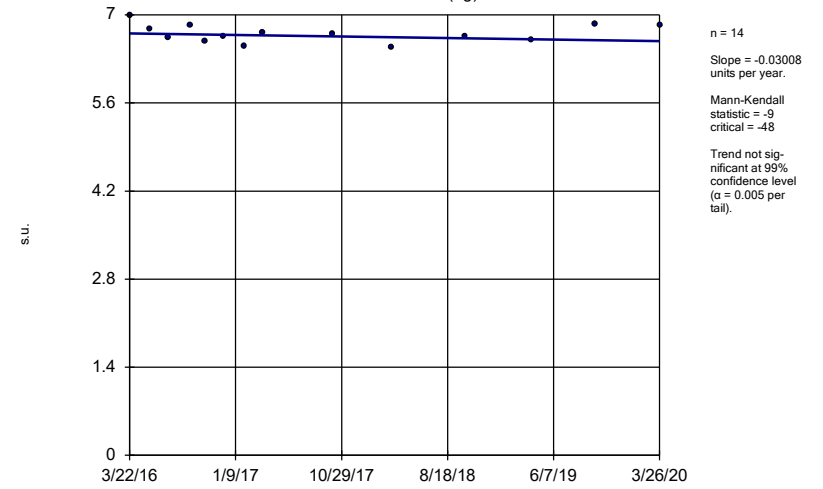
GWA-1 (bg)



Constituent: pH Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

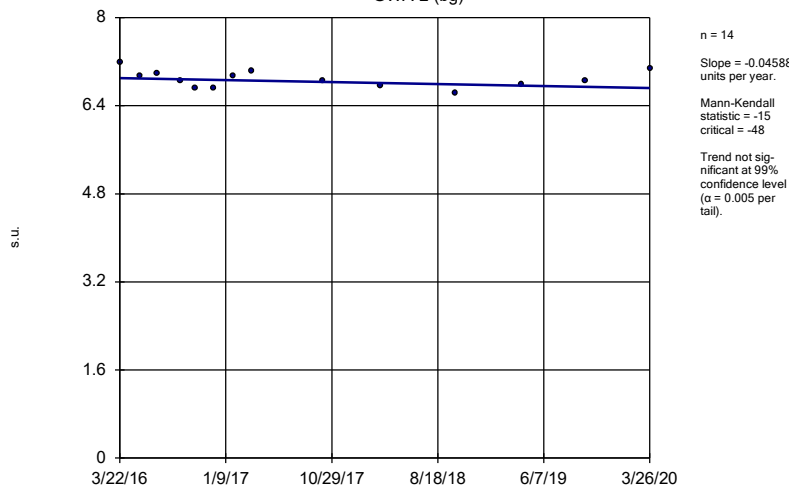
GWA-11 (bg)



Constituent: pH Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

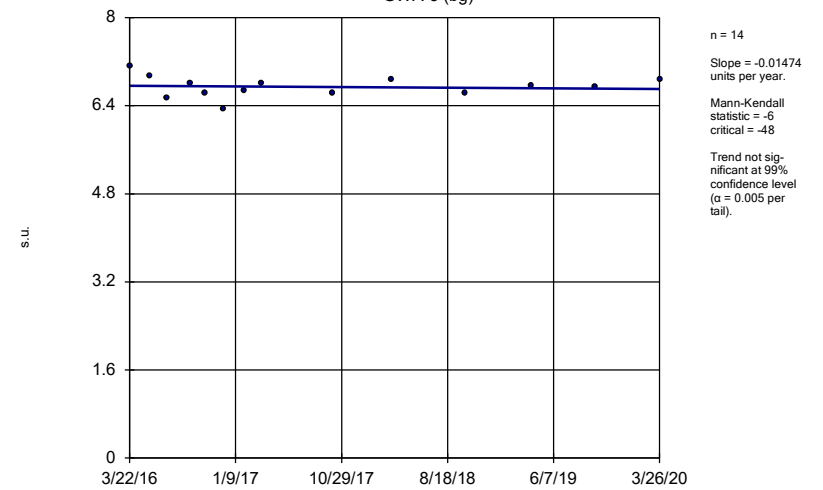
GWA-2 (bg)



Constituent: pH Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

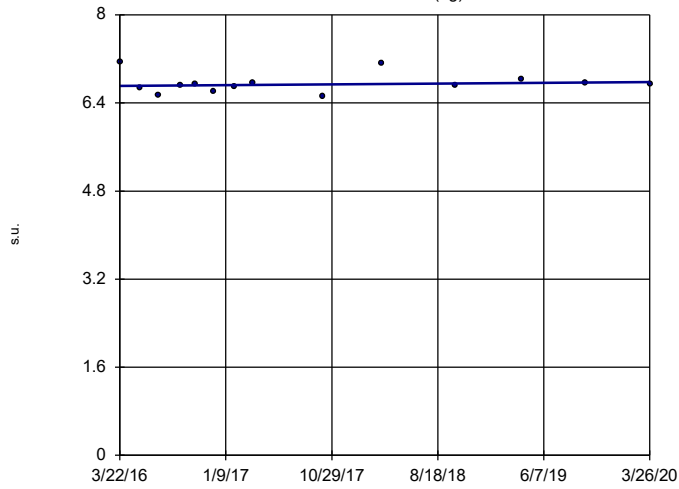
GWA-3 (bg)



Constituent: pH Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWA-4 (bg)

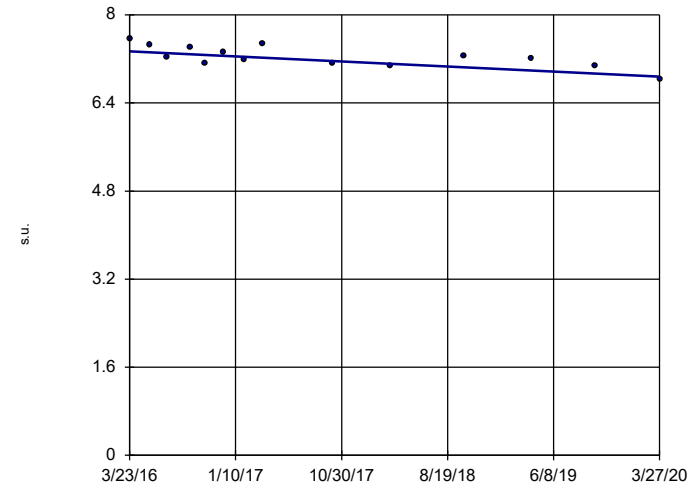


n = 14  
Slope = 0.01813  
units per year.  
Mann-Kendall  
statistic = 17  
critical = 48  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: pH Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWC-10



n = 14  
Slope = -0.1134  
units per year.  
Mann-Kendall  
statistic = -51  
critical = -48  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: pH Analysis Run 8/13/2020 8:26 AM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# ADDENDUM REPORT

# State Prediction Limits

# State Intrawell Prediction Limit Summary - All Resample Results (No Significant)

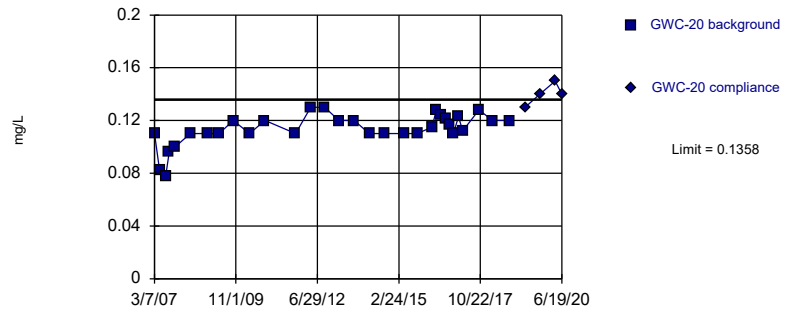
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/12/2020, 3:05 PM

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-20	0.1358	n/a	6/19/2020	0.14	Yes	31	0.001502	0.0004195	0	None	x^3	0.0002926	Param Intra 1 of 2



Exceeds Limit

Prediction Limit  
Intrawell Parametric



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 8/12/2020 3:04 PM View: PL's State resample

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

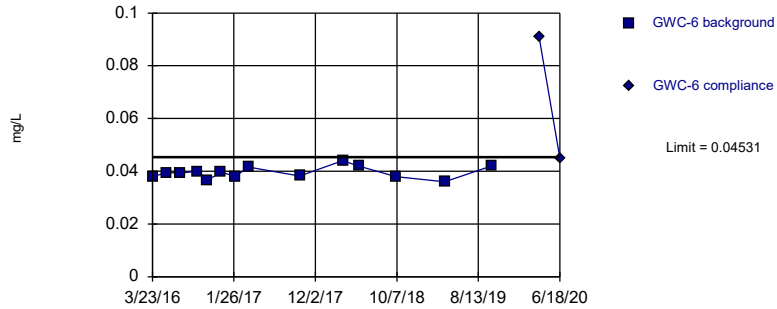
# Federal Prediction Limits

# Federal Interwell Prediction Limit Summary - All Resample Results (No Significant)

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 8/13/2020, 4:01 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-6	0.04531	n/a	6/18/2020	0.045J	No	14	0.03949	0.002264	0	None	No	0.0006269	Param Intra 1 of 2
Boron (mg/L)	GWC-8	0.055	n/a	6/19/2020	0.086J	No	13	n/a	n/a	0	n/a	n/a	0.009692	NP Intra (normality) 1 of 2
Calcium (mg/L)	GWC-19	49.63	n/a	6/19/2020	41.3	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	6/19/2020	61.4	No	13	52.64	4.139	0	None	No	0.0006269	Param Intra 1 of 2
Chloride (mg/L)	GWC-7	2.458	n/a	6/19/2020	1.4	No	13	1.654	0.3056	0	None	No	0.0006269	Param Intra 1 of 2
pH (s.u.)	GWC-10	7.697	6.845	6/19/2020	7.4	No	13	7.271	0.162	0	None	No	0.0003135	Param Intra 1 of 2

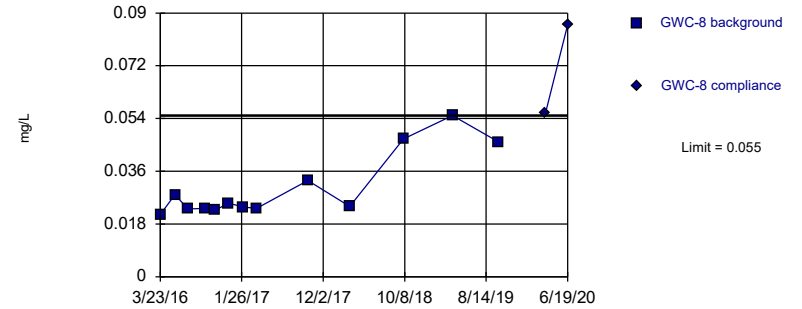
Within Limit Prediction Limit  
Intrawell Parametric



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 8/13/2020 3:59 PM View: PL's resampled  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

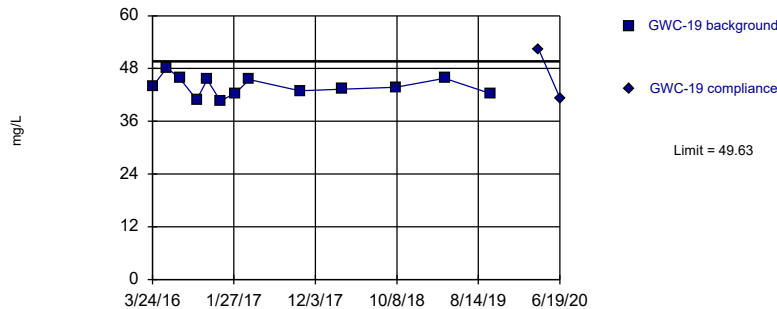
Within Limit Prediction Limit  
Intrawell Non-parametric



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: Boron Analysis Run 8/13/2020 3:59 PM View: PL's resampled  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

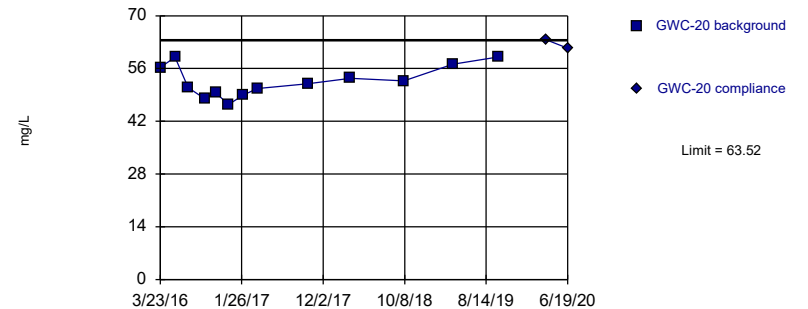
Within Limit Prediction Limit  
Intrawell Parametric



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 8/13/2020 3:59 PM View: PL's resampled  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric

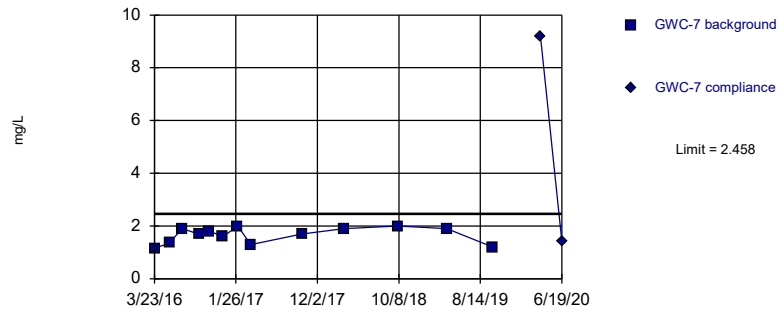


Background Data Summary: Mean=52.64, Std. Dev.=4.139, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9448, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 8/13/2020 3:59 PM View: PL's resampled  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

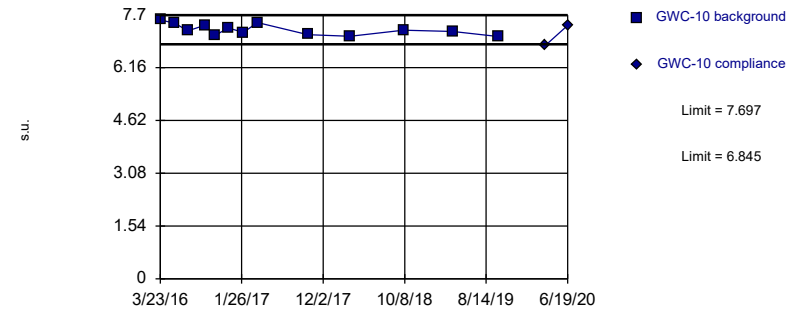


Background Data Summary: Mean=1.654, Std. Dev.=0.3056, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8832, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 8/13/2020 3:59 PM View: PL's resampled  
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 8/13/2020 3:59 PM View: PL's resampled  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/13/2020 4:55 PM View: PL's resampled  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 8/13/2020 4:55 PM View: PL's resampled  
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)



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/13/2020 4:01 PM View: PL's resampled  
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)

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 8/13/2020 4:01 PM View: PL's resampled  
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)

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 8/13/2020 4:01 PM View: PL's resampled  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

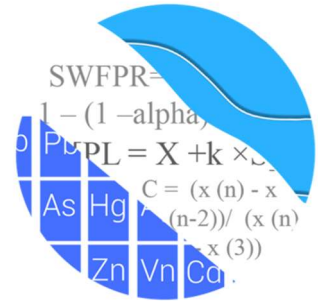
	GWC-7	GWC-7
3/23/2016	1.1569	
5/18/2016	1.35	
7/6/2016	1.9	
9/7/2016	1.7	
10/18/2016	1.8	
12/8/2016	1.6	
2/2/2017	2	
3/24/2017	1.3	
10/4/2017	1.7	
3/15/2018	1.9	
10/4/2018	2	
4/8/2019	1.9	
10/1/2019	1.2	
3/30/2020		9.2
6/19/2020		1.4 (R)

# Prediction Limit

Constituent: pH (s.u.) Analysis Run 8/13/2020 4:01 PM View: PL's resampled  
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)

# GROUNDWATER STATS CONSULTING



January 27, 2021

Southern Company Services  
Attn: Ms. Kristen Jurinko  
241 Ralph McGill Blvd NE, Bin 10160  
Atlanta, Georgia 30308

Re: Plant Hammond's Huffaker Road Landfill  
Statistical Analysis - September 2020

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the September 2020 Semi-Annual Groundwater Monitoring Statistical summary of the analysis of groundwater data for Georgia Power Company's Plant Hammond's Huffaker Road Landfill. An addendum report which evaluates data collected as resamples subsequent to this analysis follows the main report. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began for the 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 Dr. Jim Loftis, Civil & Environmental Engineering professor emeritus at Colorado State University and Senior Advisor to 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% nondetects follows this letter.

A substitution of the most recent reporting limit is used for nondetect data. Reporting limits often decrease over time due to improved laboratory practices, sometimes resulting in more conservative statistical limits. Such changes in reporting limits have occurred for cadmium, cobalt, copper, nickel, silver, and zinc, and prediction limits for those constituents have decreased over time at some of the wells. The reporting limit for zinc for the previous analysis was 0.02 mg/L; however, for this analysis the limit has returned to the historical limit of 0.01 mg/L. 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 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.

For 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 nondetects, 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% nondetects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% nondetects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for nondetects is the practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% nondetects, the Kaplan-Meier nondetect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% nondetects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

### Two-Step Statistical Analysis

Intrawell statistical methods, combined with a 1-of-2 resample plan, may be used as a conservative first step for identifying potential facility impacts in downgradient wells. Intrawell methods use background data for individual wells and may be overly sensitive to natural variation. In particular for nonparametric limits with small background sample sizes, the probability of a false positive is much higher than the desired annual sitewide rate of 10%. Therefore, a large number of exceedances may occur as a result of natural variation rather than facility impacts. A second step can be used to further evaluate those exceedances and reduce the overall number of SSIs that result from natural variation. In instances where intrawell statistical methods identify an apparent SSI, a second step of



interwell statistical evaluation may be used to determine whether the measurement exceeds the sitewide background limit based on pooled upgradient well data. This is similar in concept to the procedure used in compliance monitoring programs where an interwell statistical limit is used to determine "background" (USEPA Unified Guidance (2009), Chapter 7, Section 7.5). For the detection monitoring program, if the result does not exceed sitewide (interwell) background, an SSI is not declared.

When the result exceeds the sitewide (interwell) background, the 1-of-2 resample plan allows for collection of an independent resample to confirm or disconfirm the initial finding. A statistically significant increase is not declared unless the resample also exceeds the intrawell prediction limit (United States Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to 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 nondetects 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 nondetects. 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.

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. Future compliance observations at each well are compared to these background limits during each subsequent semi-annual sampling event.

## Evaluation of Georgia EPD Constituents – September 2020

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell prediction limits, combined with a 1-of-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 September 2020 compliance data were compared to these intrawell background limits. No statistical analyses were included for well/constituent pairs with 100% nondetects.

A summary of the Georgia EPD intrawell prediction limits follows this report (Figure D). An exceedance was noted for the following downgradient well/constituent pair:

- Barium: GWC-8

The reported measurement of 0.14 mg/L for barium in well GWC-8 exceeded its intrawell prediction limit of 0.12 mg/L. An interwell prediction limit was then constructed using pooled upgradient well data to evaluate the apparent intrawell prediction limit exceedance (Figure E). The reported measurement of barium in this well was 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, 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)

Decreasing trends:

- Barium: GWA-3 (upgradient) and GWA-4 (upgradient)

### **Evaluation of CCR Appendix III Parameters – September 2020**

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:

- Boron: GWC-6
- Chloride: GWA-1 (upgradient)
- pH: GWC-19
- Sulfate: GWA-1 (upgradient) and GWC-20

Note that the most recent reported measurement for boron in well GWC-6 is higher than its respective background limit. However, because this value is flagged by the laboratory with “J” during this event to indicate that the measurement is an estimated value (i.e. less than the reporting limit of 0.1 mg/L), it is not identified as statistically significant by the Sanitas software. When interwell prediction limits were constructed for the apparent intrawell prediction limit exceedances in downgradient wells, no exceedances were noted for boron or sulfate. The upper interwell prediction limit of 7.185 (su) for pH was exceeded by the reported measurement of 7.78 (su) in well GWC-19 (Figure H). An addendum report follows the main report and includes the statistical analysis of the resampled data for pH at this well. The resample was within its respective intrawell prediction limit; therefore, the initial statistical exceedance is considered a false positive result and no further action is required. Data that exceeded 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). No statistically significant increasing trends were found except for sulfate in upgradient well GWA-1 and in downgradient well GWC-20. When similar patterns 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 the sulfate concentrations at downgradient well GWC-20 are higher than those at upgradient well GWA-1, they remain lower than 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,

A handwritten signature in cursive script that reads "Kristina Rayner".

Kristina Rayner  
Groundwater Statistician



# Date Ranges

Date: 10/28/2020 2:48 PM

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

# Outlier Summary

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/28/2020, 3:28 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		

# State Intrawell Prediction Limit Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 11/7/2020, 4:07 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	9/24/2020	0.14	Yes	31	0.316	0.01439	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2	

# State Intrawell Prediction Limit Summary - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 11/7/2020, 4:07 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	9/23/2020	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	9/22/2020	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	9/21/2020	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	9/23/2020	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	9/23/2020	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	9/25/2020	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	9/24/2020	0.00033J	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	9/28/2020	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	9/25/2020	0.00052J	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	9/25/2020	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	9/24/2020	0.0008J	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	9/24/2020	0.0019J	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	9/24/2020	0.00056J	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	9/22/2020	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	9/23/2020	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	9/23/2020	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	9/24/2020	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	9/24/2020	0.0011J	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	9/23/2020	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	9/25/2020	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	9/24/2020	0.0064	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	9/24/2020	0.0043J	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	9/24/2020	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	9/23/2020	0.041	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	9/22/2020	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	9/21/2020	0.18	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	9/23/2020	0.14	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	9/23/2020	0.043	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	9/25/2020	0.11	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	9/24/2020	0.079	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	9/28/2020	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	9/23/2020	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	9/24/2020	0.19	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	9/23/2020	0.1	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-23	0.08464	n/a	9/23/2020	0.079	No	32	0.06272	0.009212	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.1274	n/a	9/25/2020	0.074	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	9/25/2020	0.16	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	9/24/2020	0.11	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>9/24/2020</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	9/24/2020	0.06	No	20	0.06193	0.00445	0	None	No	0.0002926	Param Intra 1 of 2
Beryllium (mg/L)	GWA-3	0.003	n/a	9/23/2020	0.003ND	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	0.003	n/a	9/28/2020	0.0001J	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-7	0.137	n/a	9/24/2020	0.00005J	No	30	-6.771	1.993	23.33	Kaplan-Meier	ln(x)	0.0002926	Param Intra 1 of 2
Cadmium (mg/L)	GWA-4	0.0025	n/a	9/23/2020	0.0025ND	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	0.0025	n/a	9/25/2020	0.0025ND	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	0.0025	n/a	9/24/2020	0.0025ND	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	0.0025	n/a	9/23/2020	0.0025ND	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	0.0025	n/a	9/24/2020	0.0025ND	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	0.0025	n/a	9/23/2020	0.0025ND	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	0.0025	n/a	9/25/2020	0.0025ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2

# State Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 11/7/2020, 4:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-7	0.0035	n/a	9/24/2020	0.0025ND	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	0.0025	n/a	9/24/2020	0.0025ND	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	0.0025	n/a	9/24/2020	0.0025ND	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	9/23/2020	0.01ND	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	0.01	n/a	9/22/2020	0.01ND	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	0.01	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/25/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19	0.01	n/a	9/28/2020	0.00063J	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	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	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	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/25/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.01	n/a	9/25/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-7	0.01	n/a	9/24/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	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	9/23/2020	0.00051J	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	9/22/2020	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	9/21/2020	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	9/23/2020	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	9/23/2020	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	9/25/2020	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	9/24/2020	0.00068J	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	9/23/2020	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	9/25/2020	0.00057J	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	9/25/2020	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	9/24/2020	0.01	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	9/24/2020	0.0011J	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	9/24/2020	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	9/22/2020	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	9/21/2020	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	9/23/2020	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	9/23/2020	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	9/25/2020	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	9/24/2020	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	9/28/2020	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	9/23/2020	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	9/24/2020	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	9/23/2020	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	9/23/2020	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	9/25/2020	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	9/25/2020	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	9/24/2020	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	9/24/2020	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	9/24/2020	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	0.005	n/a	9/22/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2

# State Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 11/7/2020, 4:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWA-3	0.005	n/a	9/23/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.005	n/a	9/25/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.005	n/a	9/24/2020	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-19	0.005	n/a	9/28/2020	0.00014J	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	0.005	n/a	9/23/2020	0.005ND	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	9/24/2020	0.00012J	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	9/23/2020	0.000066J	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	9/23/2020	0.00036J	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	0.005	n/a	9/25/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6	0.005	n/a	9/25/2020	0.005ND	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	9/24/2020	0.00006J	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	0.005	n/a	9/24/2020	0.000049J	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.005	n/a	9/23/2020	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	9/22/2020	0.0014J	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	9/21/2020	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	9/23/2020	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	0.01	n/a	9/23/2020	0.00091J	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	9/25/2020	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	0.01	n/a	9/24/2020	0.0011J	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	9/28/2020	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	9/23/2020	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	9/24/2020	0.0068	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	9/23/2020	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	0.01	n/a	9/23/2020	0.00079J	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	0.01	n/a	9/25/2020	0.00078J	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	9/25/2020	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	9/24/2020	0.042	No	12	0.133	0.06625	0	None	No	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.01	n/a	9/24/2020	0.001J	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	9/24/2020	0.0024J	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	0.01	n/a	9/23/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-10	0.01	n/a	9/25/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	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	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	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	9/24/2020	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	9/24/2020	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	9/24/2020	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	9/23/2020	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	9/25/2020	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	9/24/2020	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	9/24/2020	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	0.02	n/a	9/23/2020	0.0025J	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	9/22/2020	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	9/21/2020	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	9/23/2020	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	9/23/2020	0.0025J	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	9/25/2020	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	9/24/2020	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	0.02	n/a	9/28/2020	0.0033J	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	9/23/2020	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2

# State Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 11/7/2020, 4:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-21	0.02	n/a	9/24/2020	0.0046J	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	9/23/2020	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	0.02	n/a	9/23/2020	0.0022J	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	9/25/2020	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	9/25/2020	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	9/24/2020	0.07	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	9/24/2020	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	9/24/2020	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 Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/26/2020, 3:32 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	9/24/2020	0.14	No	180	n/a	n/a	0	n/a	n/a	0.00006049	NP Inter (normality) 1 of 2



# State Trend Test Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/26/2020, 3:31 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)	0.003982	344	191	Yes	36	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	-0.004581	-358	-191	Yes	36	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	-0.003281	-234	-191	Yes	36	0	n/a	n/a	0.01	NP

# State Trend Test Summary - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 10/26/2020, 3:31 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-1 (bg)	-0.00001599	-19	-191	No	36	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-11 (bg)	-0.0001584	-115	-191	No	36	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>0.003982</b>	<b>344</b>	<b>191</b>	<b>Yes</b>	<b>36</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>-0.004581</b>	<b>-358</b>	<b>-191</b>	<b>Yes</b>	<b>36</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>-0.003281</b>	<b>-234</b>	<b>-191</b>	<b>Yes</b>	<b>36</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWC-8	0.0005426	79	191	No	36	0	n/a	n/a	0.01	NP

# Federal Intrawell Prediction Limit Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/28/2020, 3:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-1	1.55	n/a	9/23/2020	1.6	Yes	13	1.179	0.1409	0	None	No	0.0006269	Param Intra 1 of 2
pH (SU)	GWC-19	7.732	7.179	9/28/2020	7.78	Yes	13	7.455	0.1052	0	None	No	0.0003135	Param Intra 1 of 2
Sulfate (mg/L)	GWA-1	5.454	n/a	9/23/2020	6.6	Yes	13	4.79	0.2524	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	58.56	n/a	9/23/2020	58.9	Yes	18	35.78	9.504	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/28/2020, 3:00 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	9/23/2020	0.047J	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	9/22/2020	0.038J	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	9/21/2020	0.086J	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	9/23/2020	0.15	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	9/23/2020	0.087J	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	9/25/2020	0.036J	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	9/24/2020	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	9/28/2020	0.17	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	9/23/2020	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	9/24/2020	0.061J	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	9/23/2020	0.061J	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	9/23/2020	0.024J	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	9/25/2020	0.08J	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	9/25/2020	0.047J	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	9/24/2020	0.045J	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	9/24/2020	0.055J	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	9/24/2020	0.016J	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	9/23/2020	17.6	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	9/22/2020	19.5	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	9/21/2020	45.8	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	9/23/2020	76.2	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	9/23/2020	74.9	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	9/25/2020	39.4	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	9/24/2020	36.9	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	9/28/2020	44.7	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	9/23/2020	55.8	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	9/24/2020	73.4	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	9/23/2020	45.9	No	13	47.68	1.891	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-23	45.95	n/a	9/23/2020	39.2	No	13	36.75	3.5	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-5	90.26	n/a	9/25/2020	77.1	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	9/25/2020	71.3	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	9/24/2020	39.5	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	9/24/2020	81.4	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	9/24/2020	35.9	No	13	35.16	1.751	0	None	No	0.0006269	Param Intra 1 of 2
<b>Chloride (mg/L)</b>	<b>GWA-1</b>	<b>1.55</b>	<b>n/a</b>	<b>9/23/2020</b>	<b>1.6</b>	<b>Yes</b>	<b>13</b>	<b>1.179</b>	<b>0.1409</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Chloride (mg/L)	GWA-11	2.158	n/a	9/22/2020	1	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	9/21/2020	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	9/23/2020	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	9/23/2020	4.2	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	9/25/2020	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	9/24/2020	0.94J	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	9/28/2020	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	9/23/2020	1.1	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	9/24/2020	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	9/23/2020	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	9/23/2020	1.1	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	9/25/2020	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	9/25/2020	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	9/24/2020	1.4	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	9/24/2020	2.2	No	15	1.936	0.545	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/28/2020, 3:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsrv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWC-9	1.823	n/a	9/24/2020	0.82J	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	9/23/2020	0.089J	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	9/22/2020	0.061J	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	9/21/2020	0.12	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	9/23/2020	0.11	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	9/23/2020	0.13	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	9/25/2020	0.085J	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	9/24/2020	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	9/28/2020	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	9/23/2020	0.065J	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	9/24/2020	0.1	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	9/23/2020	0.073J	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	9/23/2020	0.088J	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	9/25/2020	0.058J	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	9/25/2020	0.063J	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	9/24/2020	0.14	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	9/24/2020	0.15	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	9/24/2020	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	9/23/2020	6.98	No	13	6.938	0.1807	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-11	7.075	6.309	9/22/2020	6.8	No	13	6.692	0.1457	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-2	7.273	6.46	9/21/2020	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	9/23/2020	6.87	No	13	6.732	0.1922	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-4	7.246	6.263	9/23/2020	6.81	No	13	6.755	0.1869	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-10	7.697	6.845	9/25/2020	7.28	No	13	7.271	0.162	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-18	7.781	7.39	9/24/2020	7.62	No	13	7.585	0.07423	0	None	No	0.0003135	Param Intra 1 of 2
<b>pH (SU)</b>	<b>GWC-19</b>	<b>7.732</b>	<b>7.179</b>	<b>9/28/2020</b>	<b>7.78</b>	<b>Yes</b>	<b>13</b>	<b>7.455</b>	<b>0.1052</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003135</b>	<b>Param Intra 1 of 2</b>
pH (SU)	GWC-20	7.588	6.958	9/23/2020	7.11	No	15	7.273	0.1253	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-21	7.759	5.557	9/24/2020	7.12	No	13	6.658	0.4189	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-22	7.968	7.278	9/23/2020	7.42	No	14	7.623	0.1341	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-23	7.564	6.735	9/23/2020	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	9/25/2020	6.82	No	13	6.818	0.1788	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-6	7.369	6.632	9/25/2020	6.96	No	13	7.001	0.1401	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-7	6.623	5.502	9/24/2020	6.32	No	13	6.062	0.2132	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-8	7.808	6.743	9/24/2020	6.96	No	15	7.275	0.2119	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-9	7.362	6.212	9/24/2020	6.75	No	13	6.787	0.2186	0	None	No	0.0003135	Param Intra 1 of 2
<b>Sulfate (mg/L)</b>	<b>GWA-1</b>	<b>5.454</b>	<b>n/a</b>	<b>9/23/2020</b>	<b>6.6</b>	<b>Yes</b>	<b>13</b>	<b>4.79</b>	<b>0.2524</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-11	15.5	n/a	9/22/2020	9.8	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	9/21/2020	18.2	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	9/23/2020	95.6	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	9/23/2020	123	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	9/25/2020	11.6	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	9/24/2020	8.5	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	9/28/2020	15.8	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>9/23/2020</b>	<b>58.9</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	9/24/2020	37.6	No	13	30.96	10.01	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22	14	n/a	9/23/2020	5	No	13	7.792	2.363	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	43	n/a	9/23/2020	5.3	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	9/25/2020	80.7	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	9/25/2020	110	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	9/24/2020	120	No	13	114.7	28.53	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/28/2020, 3:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-8	62.67	n/a	9/24/2020	48.3	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	9/24/2020	69.9	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	9/23/2020	117	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	9/22/2020	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	9/21/2020	204	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	9/23/2020	473	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	9/23/2020	421	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	9/25/2020	153	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	9/24/2020	181	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	9/28/2020	214	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	9/23/2020	277	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	9/24/2020	286	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	9/23/2020	231	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	9/23/2020	186	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	9/25/2020	367	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	9/25/2020	345	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	9/24/2020	254	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	9/24/2020	307	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	9/24/2020	179	No	13	235.2	34.54	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Interwell Prediction Limit Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/29/2020, 5:24 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-19	7.185	6.433	9/28/2020	7.78	Yes	75	6.809	0.1843	0	None	No	0.0003135	Param Inter 1 of 2

# Federal Interwell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/29/2020, 5:24 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-6	0.182	n/a	9/25/2020	0.047J	No	75	n/a	n/a	2.667	n/a	n/a	0.0003397	NP Inter (normality) 1 of 2
<b>pH (SU)</b>	<b>GWC-19</b>	<b>7.185</b>	<b>6.433</b>	<b>9/28/2020</b>	<b>7.78</b>	<b>Yes</b>	<b>75</b>	<b>6.809</b>	<b>0.1843</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003135</b>	<b>Param Inter 1 of 2</b>
Sulfate (mg/L)	GWC-20	302.3	n/a	9/23/2020	58.9	No	75	n/a	n/a	0	n/a	n/a	0.0003397	NP Inter (normality) 1 of 2



# Federal Trend Test Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/26/2020, 5:03 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>
<b>Sulfate (mg/L)</b>	<b>GWA-1 (bg)</b>	<b>0.237</b>	<b>57</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>GWC-20</b>	<b>7.318</b>	<b>152</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>

# Federal Trend Test Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/26/2020, 5:03 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GWA-1 (bg)	0.0003423	4	53	No	15	13.33	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-11 (bg)	0.0003959	7	53	No	15	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-2 (bg)	-0.001127	-17	-53	No	15	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-3 (bg)	0.001921	5	53	No	15	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-4 (bg)	-0.003283	-17	-53	No	15	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWC-6	0.00157	41	58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWA-1 (bg)	-0.01246	-7	-53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-11 (bg)	-0.007419	-3	-53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-2 (bg)	-0.02709	-13	-53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-3 (bg)	0	1	53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-4 (bg)	0.02224	25	53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWC-19	0.005993	3	53	No	15	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWA-1 (bg)</b>	<b>0.237</b>	<b>57</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	GWA-11 (bg)	0	-2	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-2 (bg)	0.675	32	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-3 (bg)	-0.6472	-4	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-4 (bg)	-21.13	-44	-53	No	15	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWC-20</b>	<b>7.318</b>	<b>152</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>

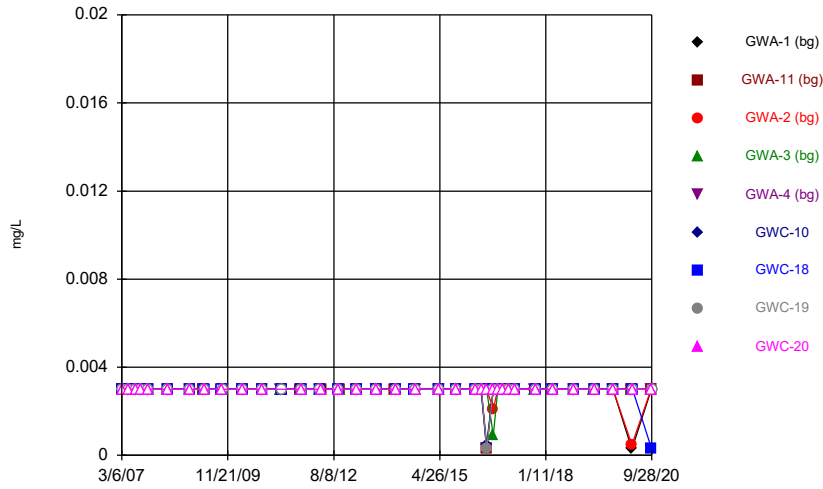
# Intrawell Prediction Limit Summary - Resample Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 11/19/2020, 8:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg. N	Bg. Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (SU)	GWC-19	7.732	7.179	11/10/2020	7.37	No	13	7.455	0.1052	0	None	No	0.0003135	Param Intra 1 of 2

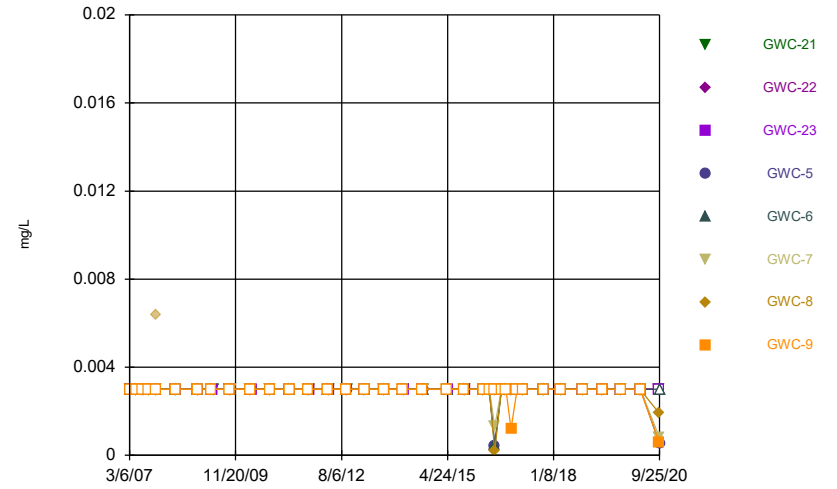
FIGURE A.

Time Series



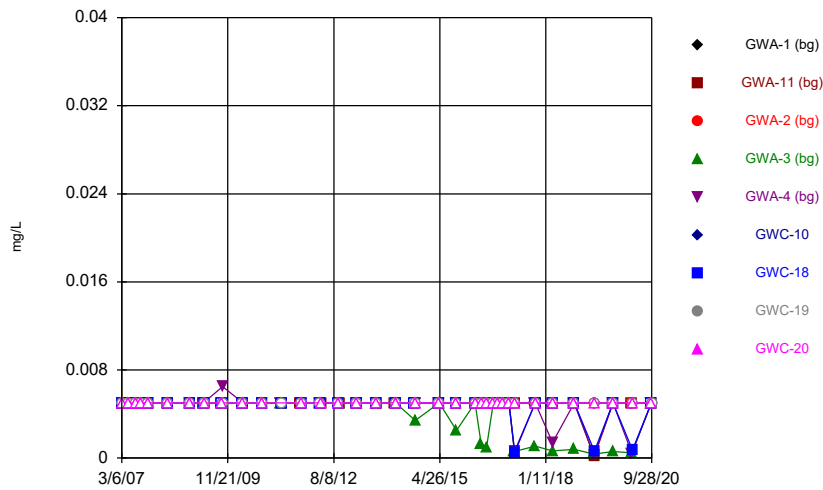
Constituent: Antimony Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



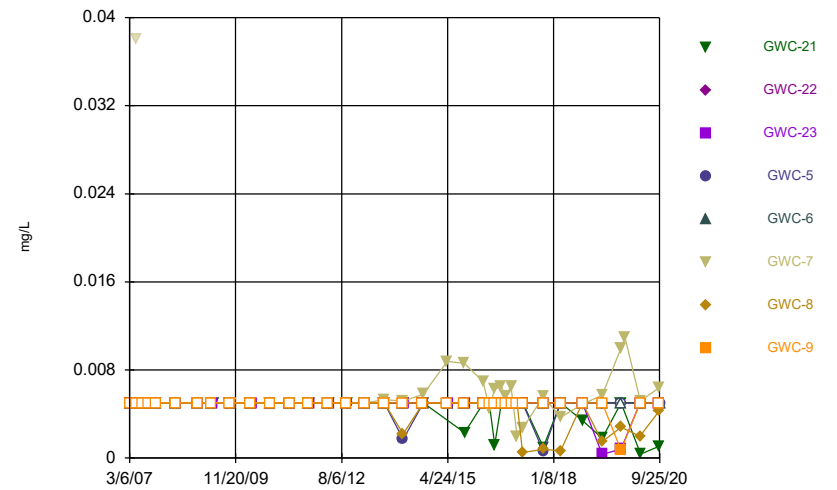
Constituent: Antimony Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



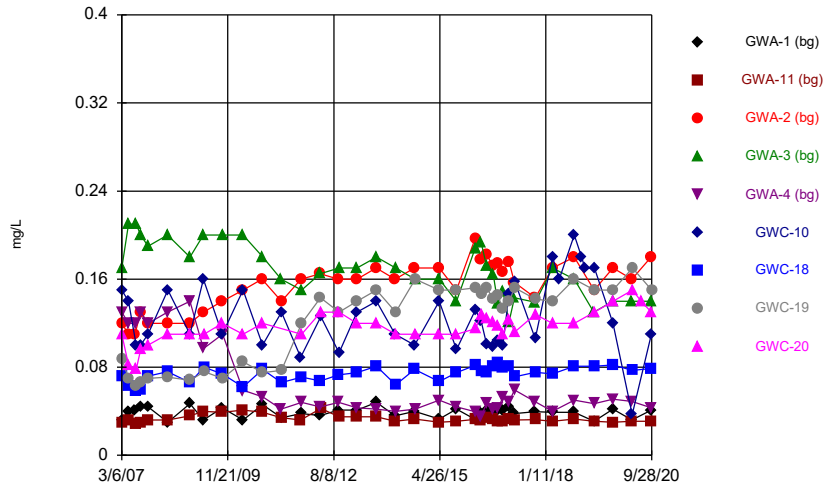
Constituent: Arsenic Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



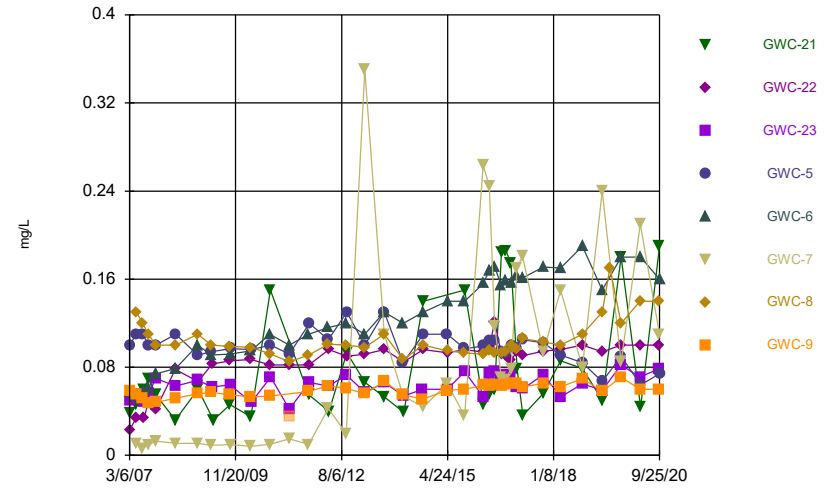
Constituent: Arsenic Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



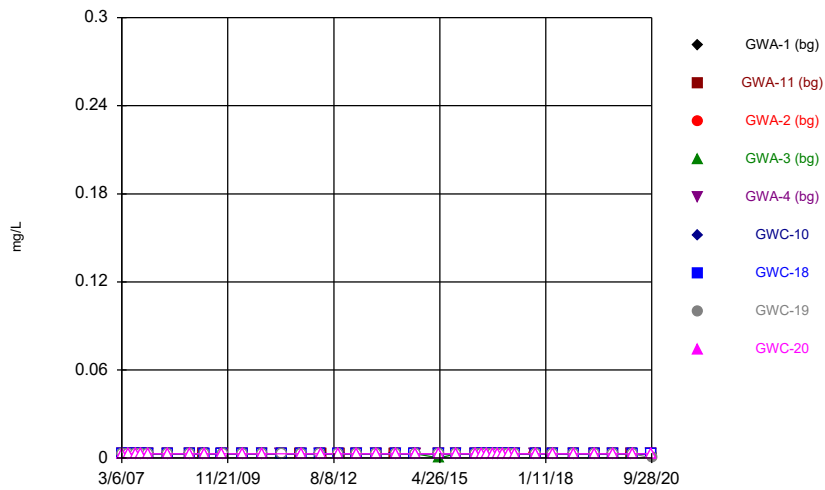
Constituent: Barium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



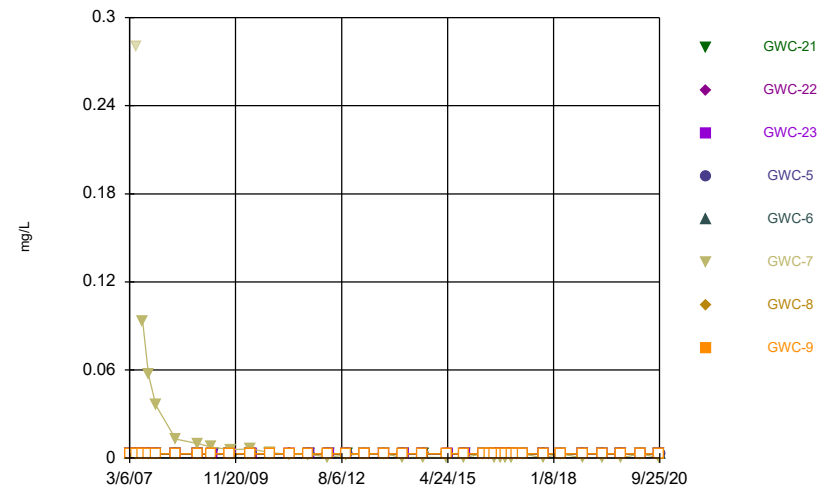
Constituent: Barium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



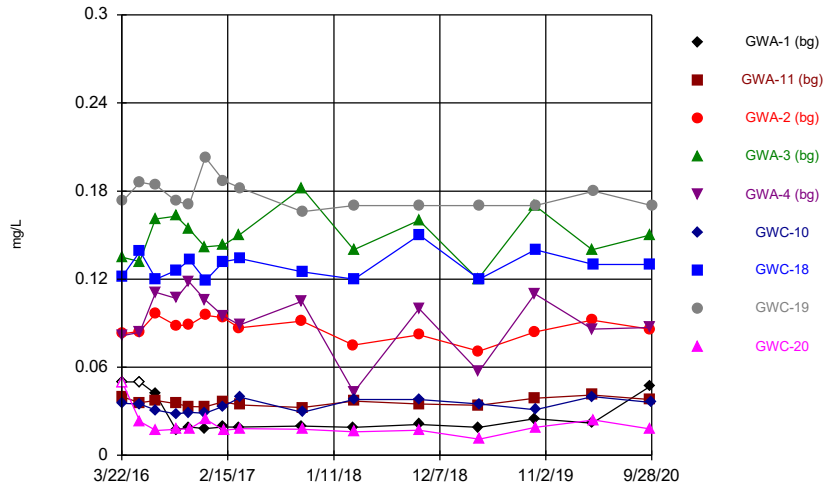
Constituent: Beryllium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



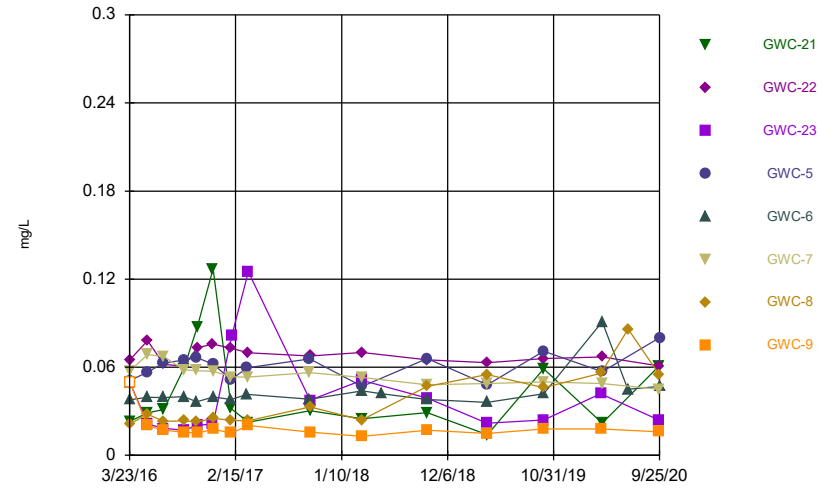
Constituent: Beryllium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



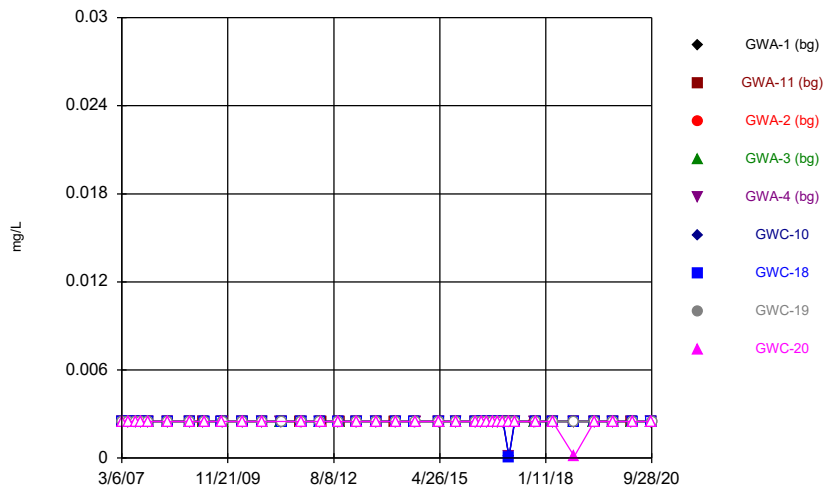
Constituent: Boron Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



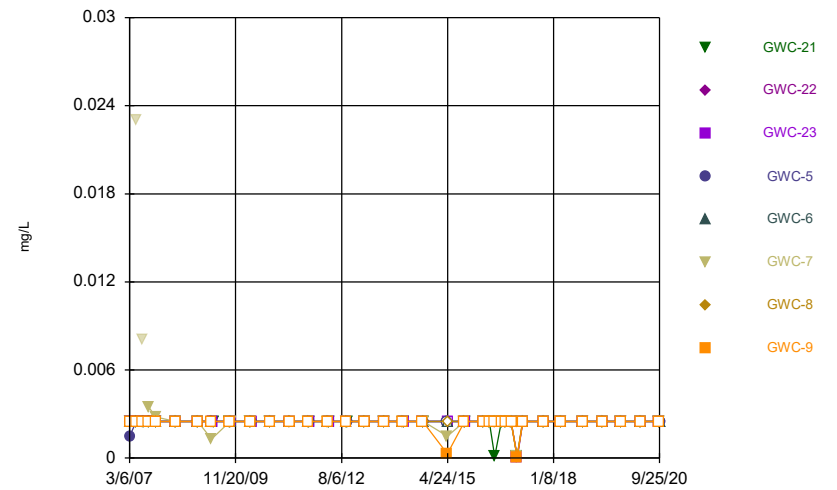
Constituent: Boron Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



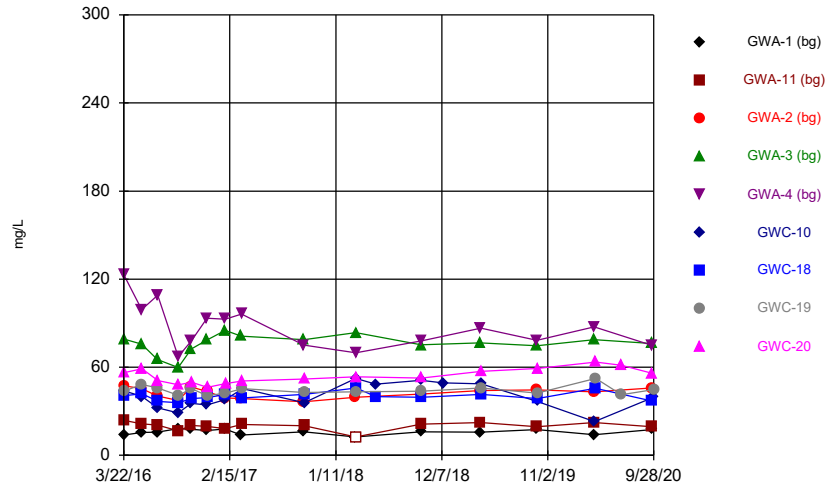
Constituent: Cadmium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



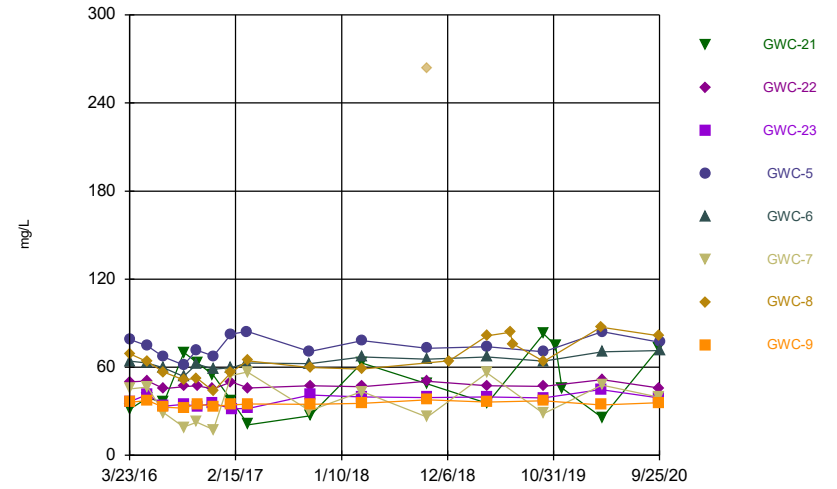
Constituent: Cadmium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



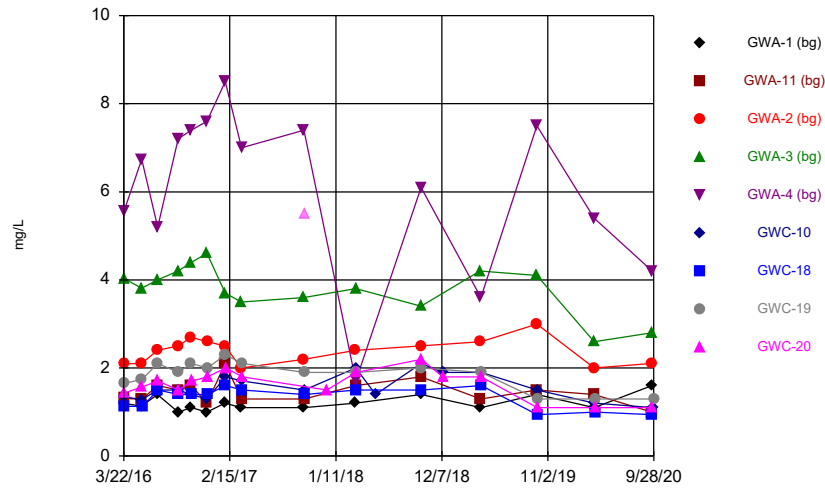
Constituent: Calcium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



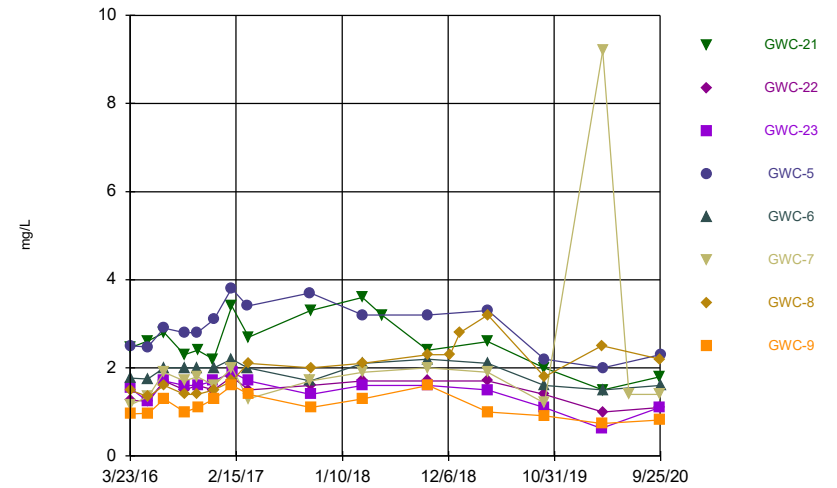
Constituent: Calcium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



Constituent: Chloride Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

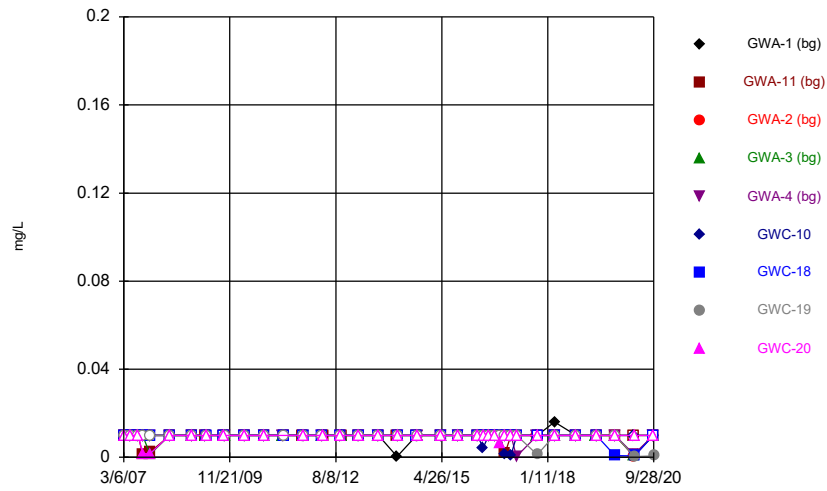
Time Series



Constituent: Chloride Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

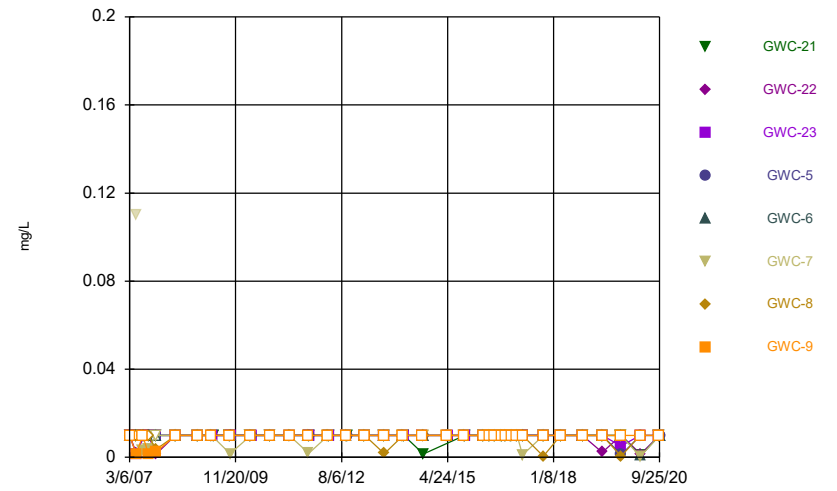


Time Series



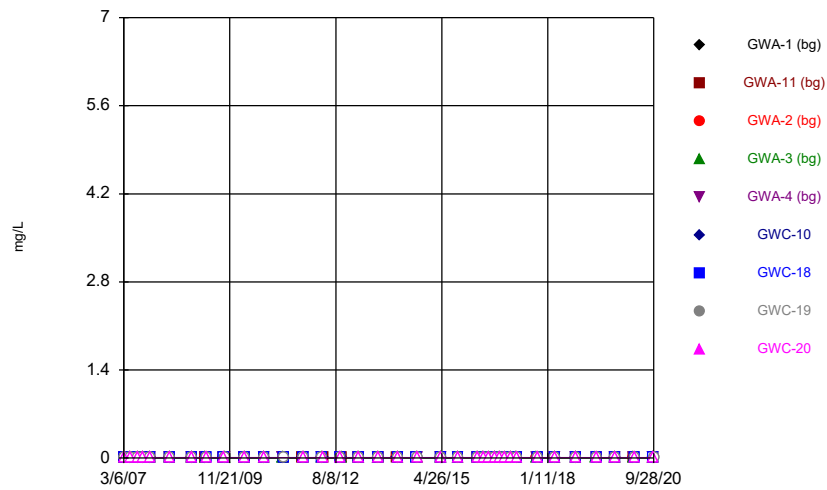
Constituent: Chromium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



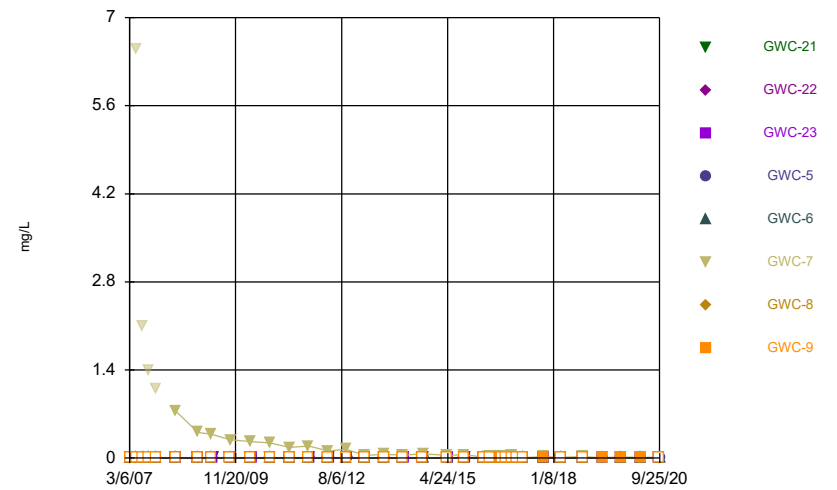
Constituent: Chromium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



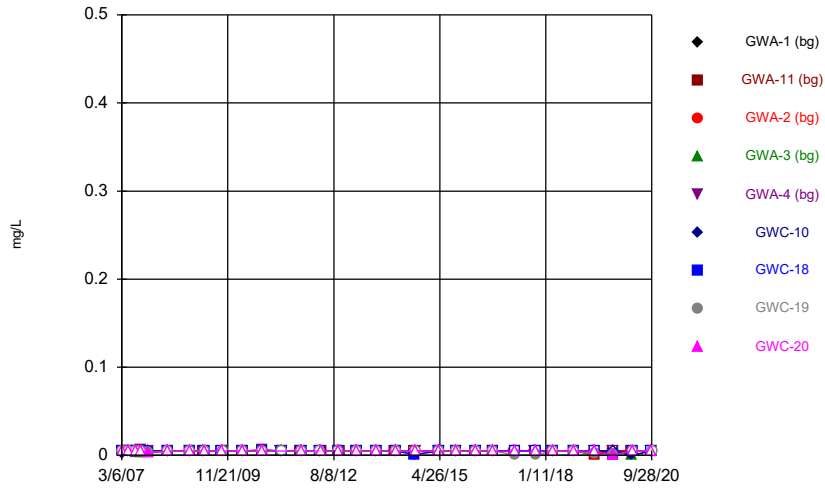
Constituent: Cobalt Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



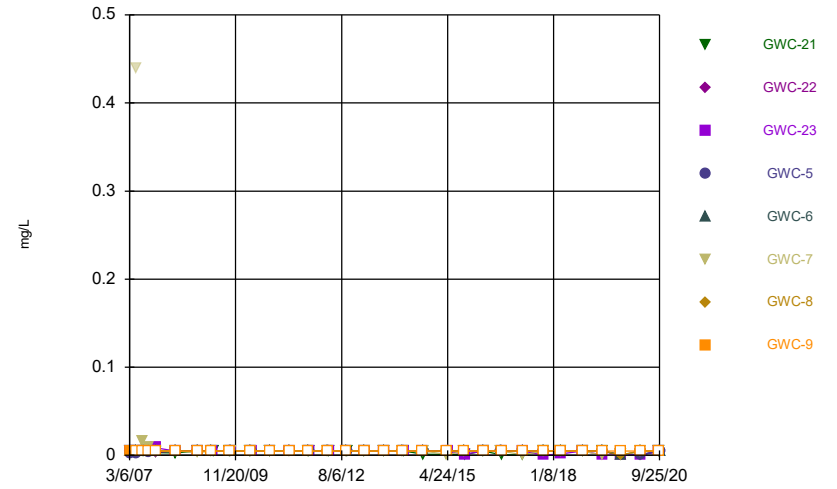
Constituent: Cobalt Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



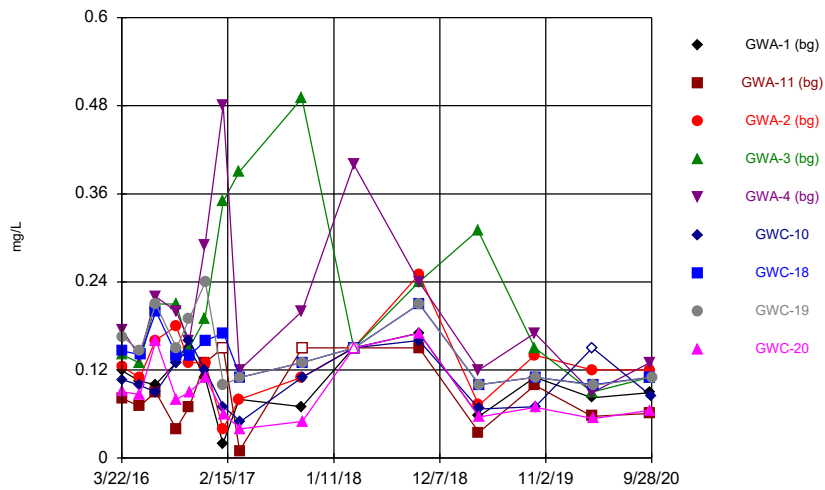
Constituent: Copper Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



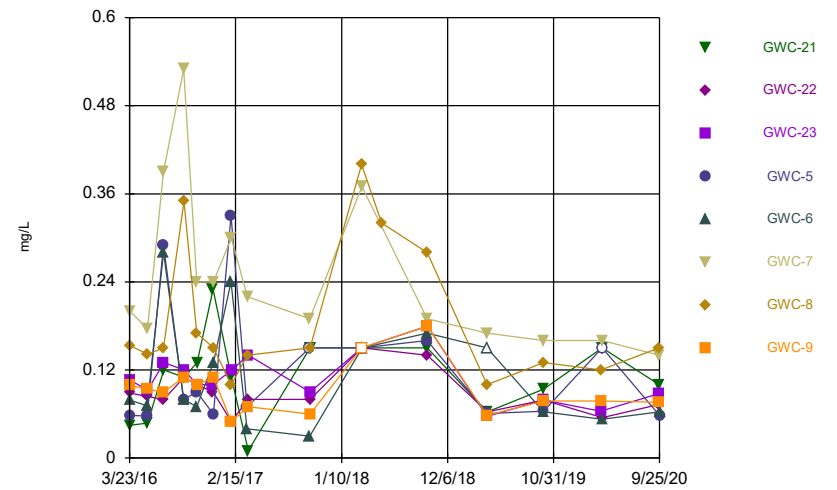
Constituent: Copper Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



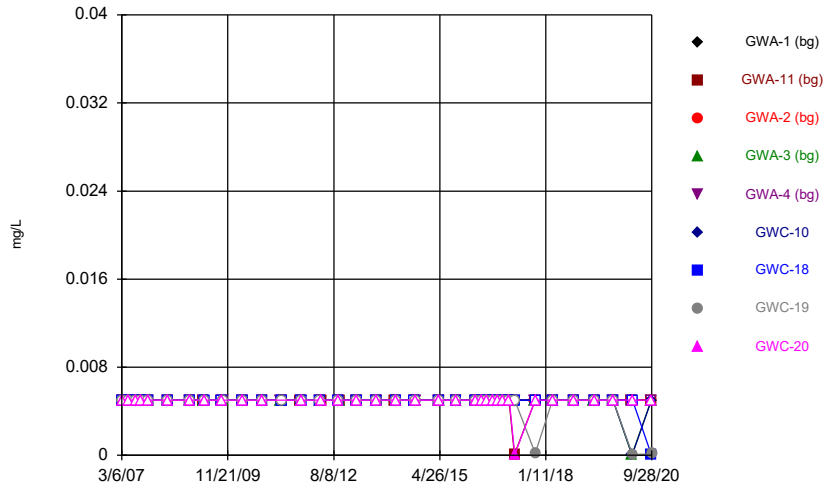
Constituent: Fluoride Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



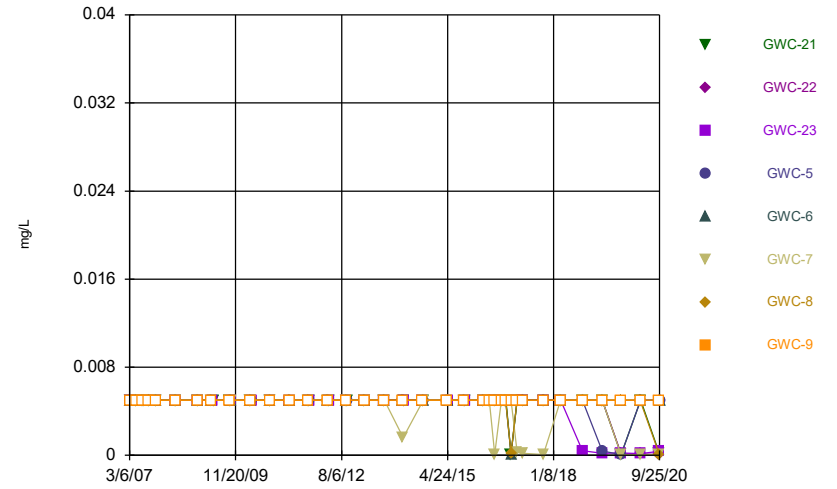
Constituent: Fluoride Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



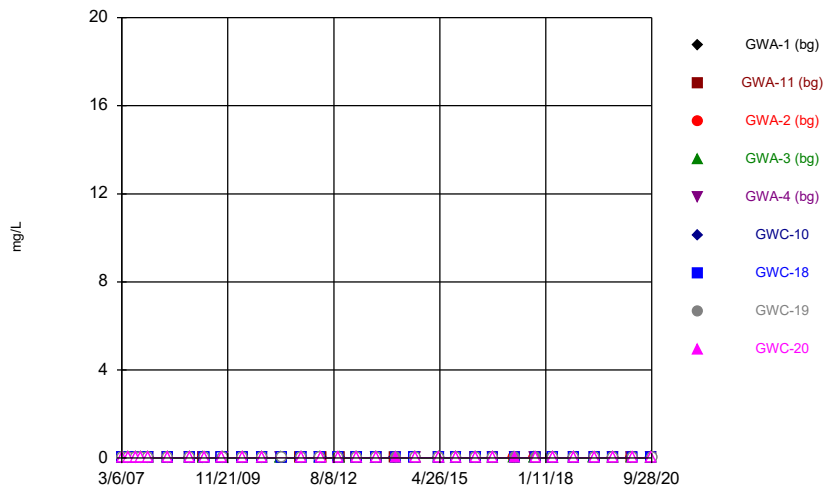
Constituent: Lead Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



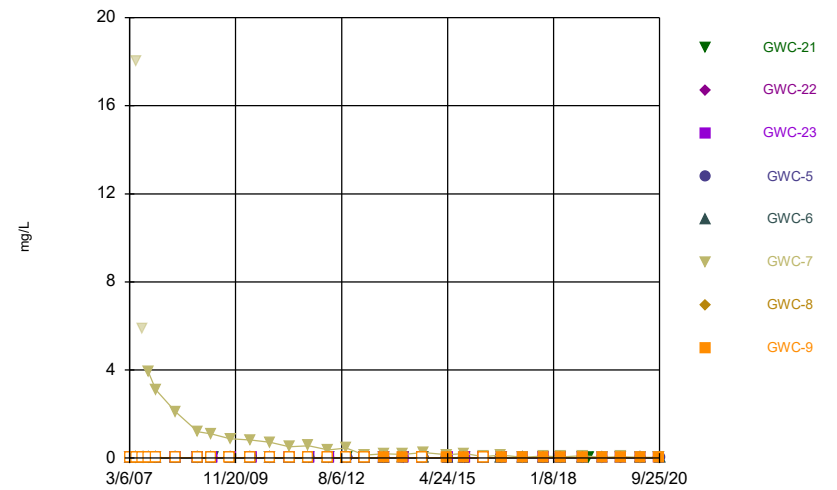
Constituent: Lead Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



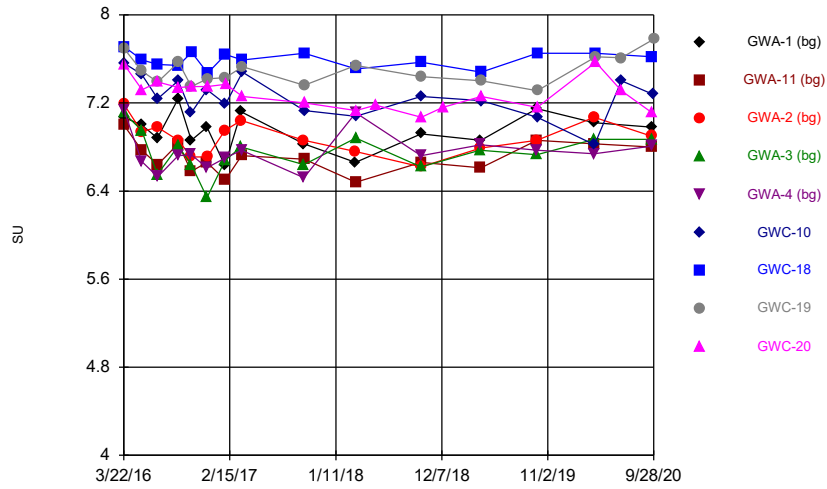
Constituent: Nickel Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



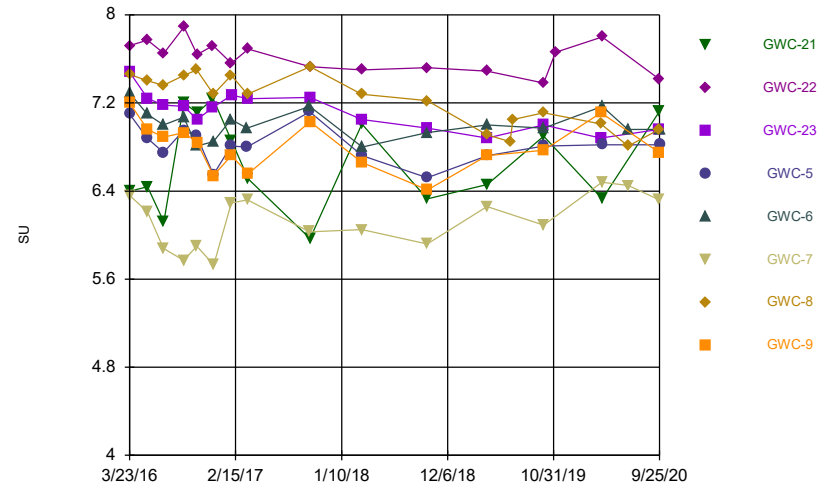
Constituent: Nickel Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



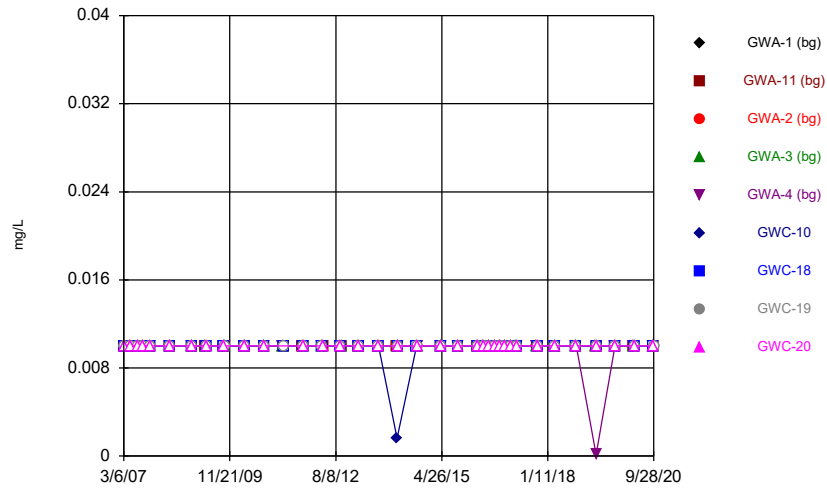
Constituent: pH Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



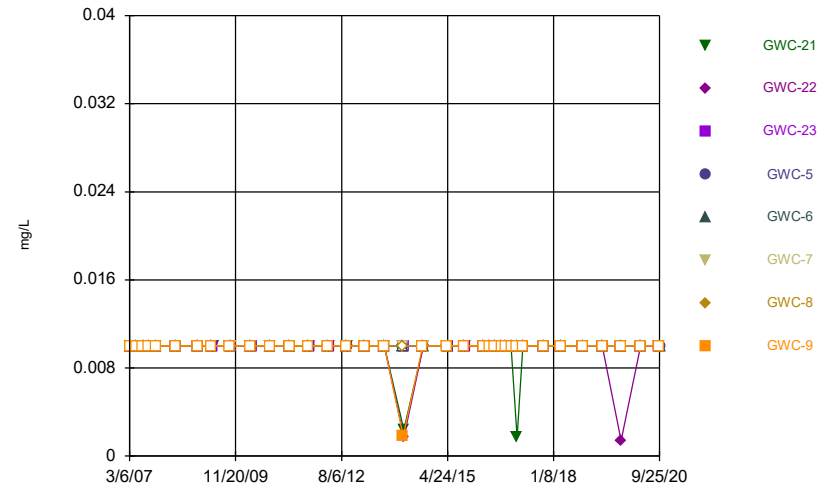
Constituent: pH Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



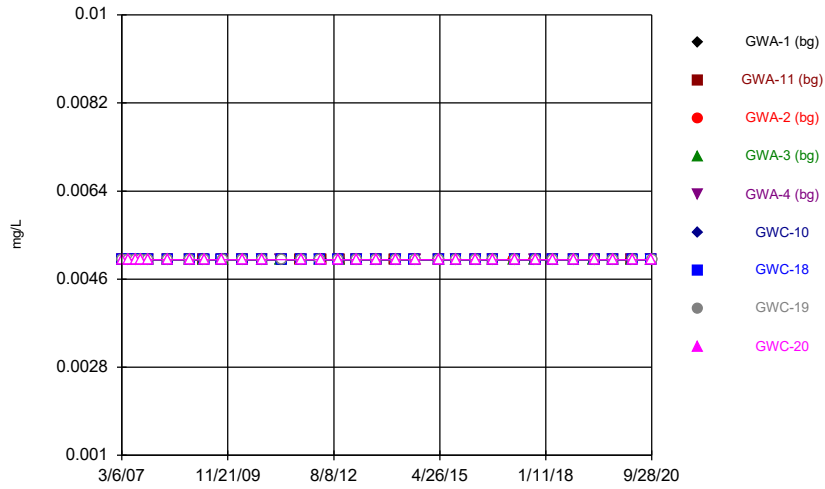
Constituent: Selenium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



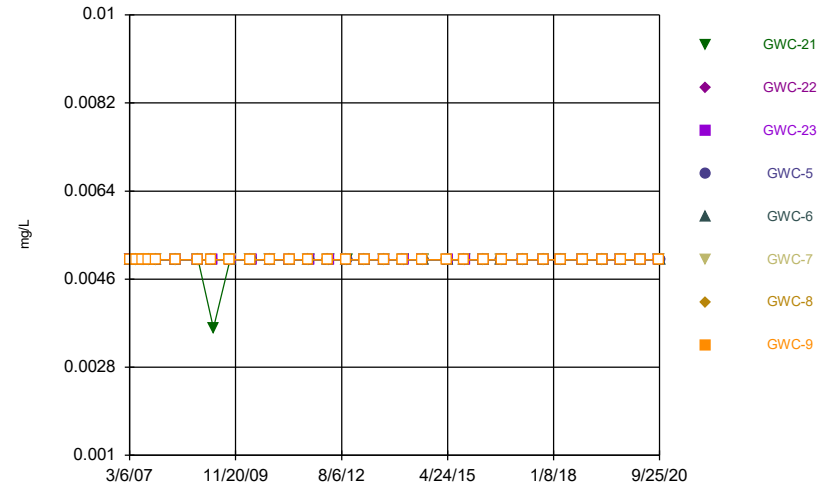
Constituent: Selenium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



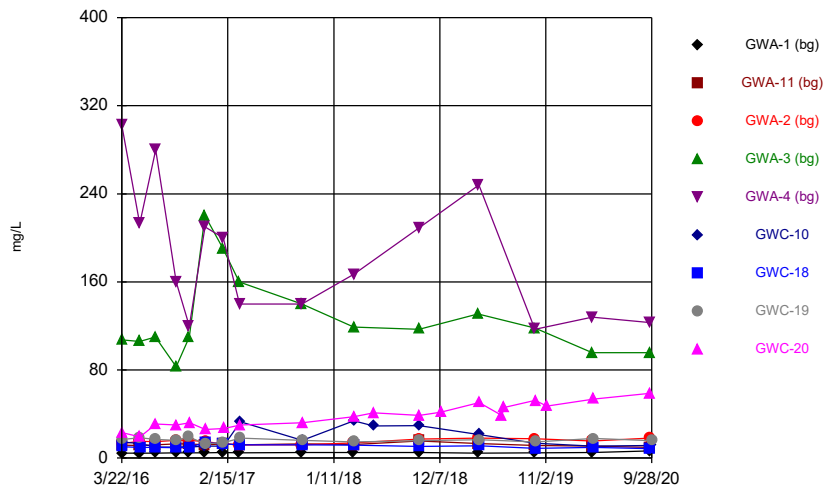
Constituent: Silver Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



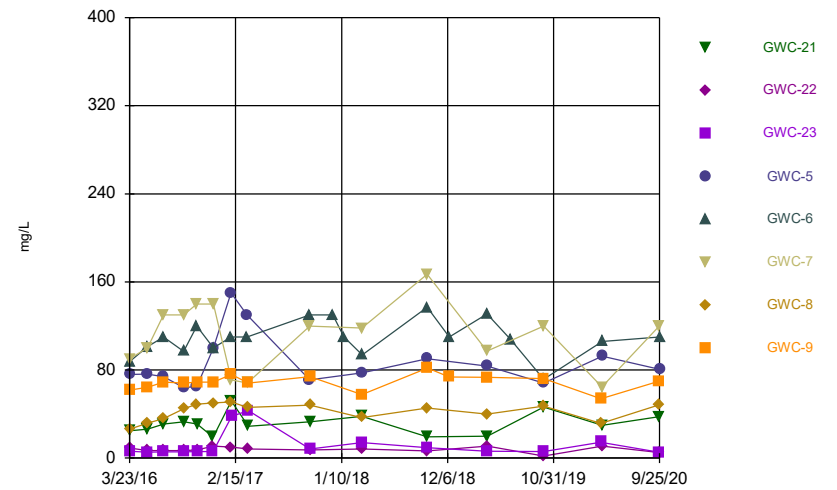
Constituent: Silver Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



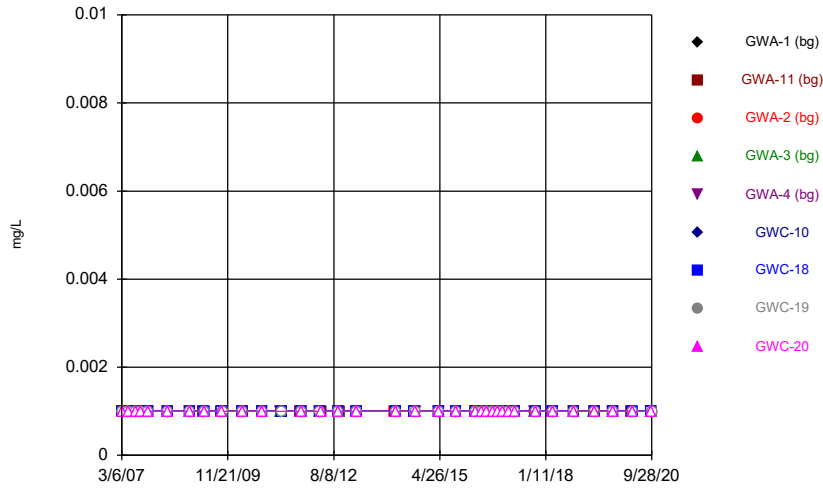
Constituent: Sulfate Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



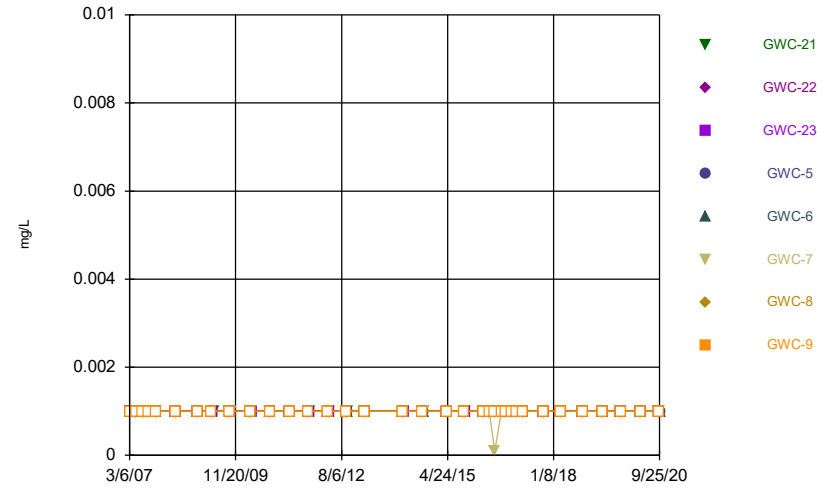
Constituent: Sulfate Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



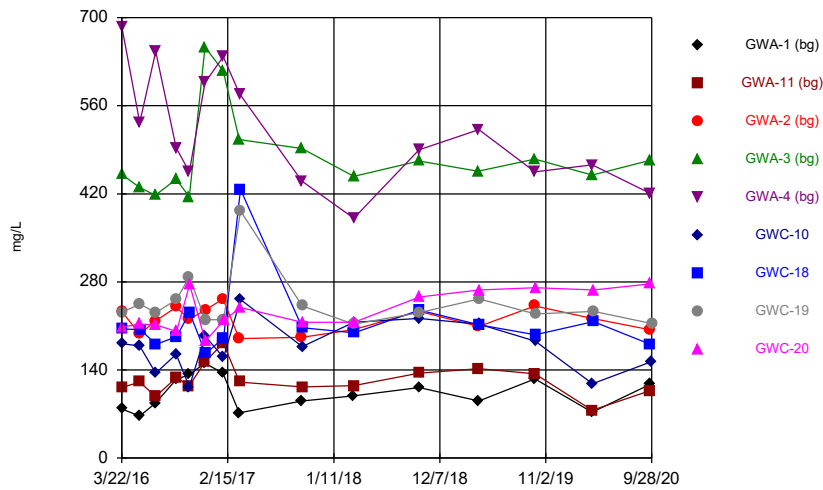
Constituent: Thallium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



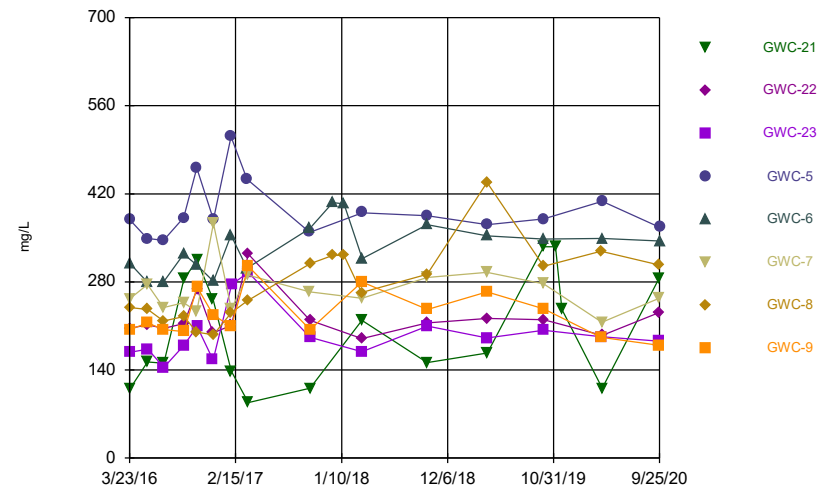
Constituent: Thallium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



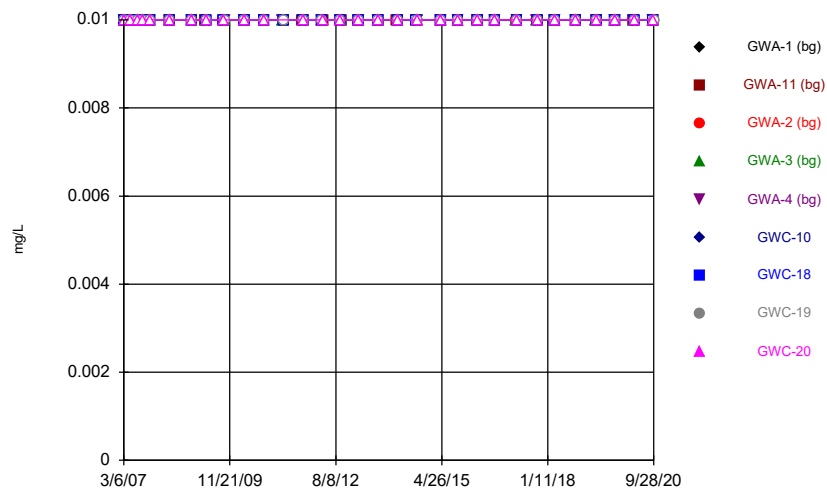
Constituent: Total Dissolved Solids Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



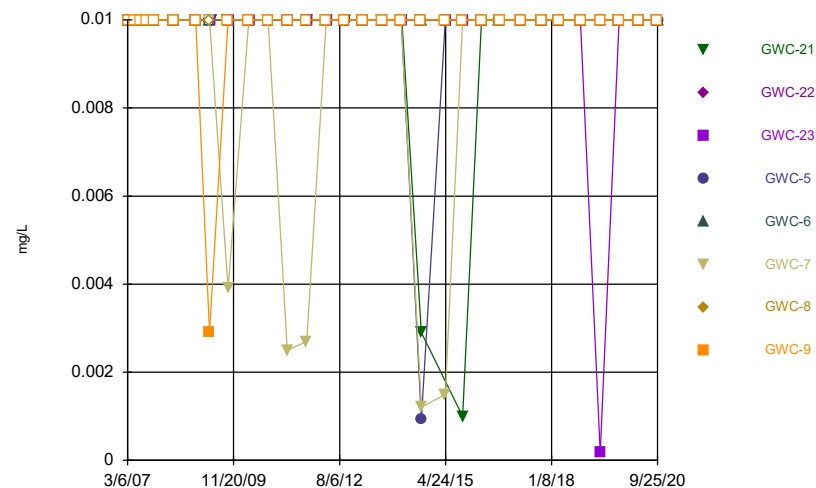
Constituent: Total Dissolved Solids Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



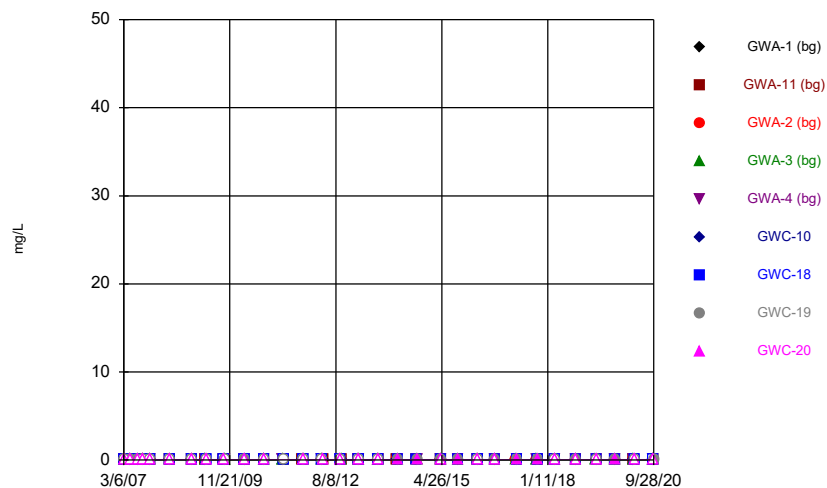
Constituent: Vanadium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



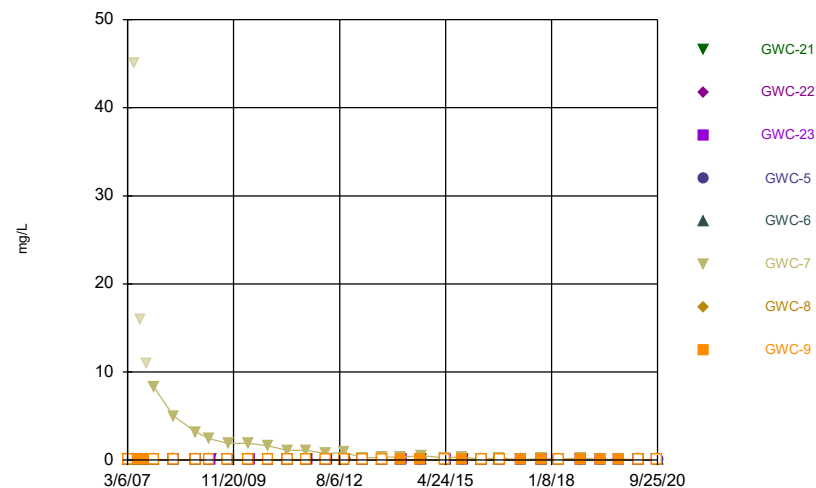
Constituent: Vanadium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



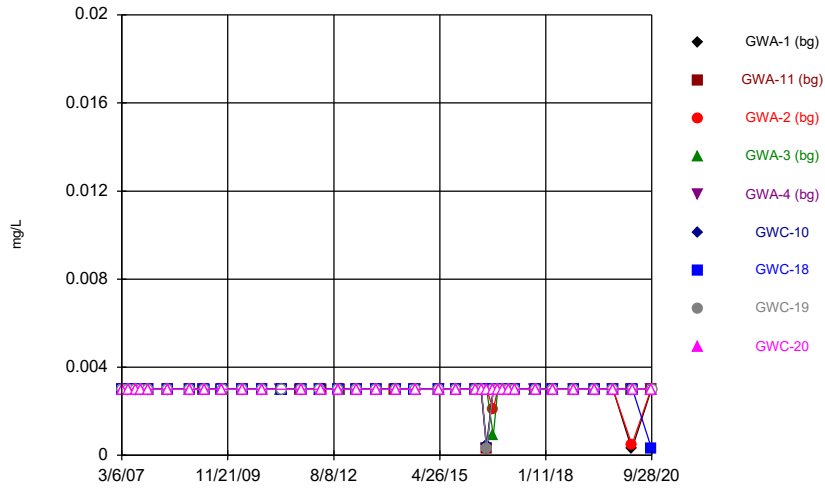
Constituent: Zinc Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



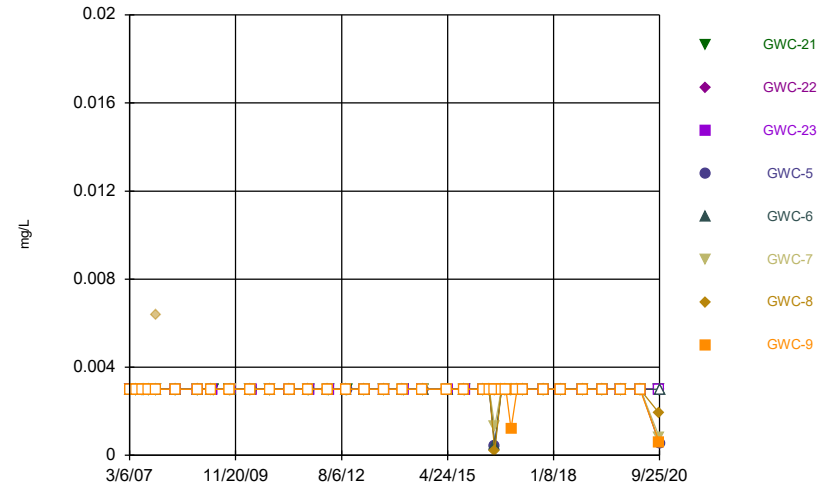
Constituent: Zinc Analysis Run 10/30/2020 8:16 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



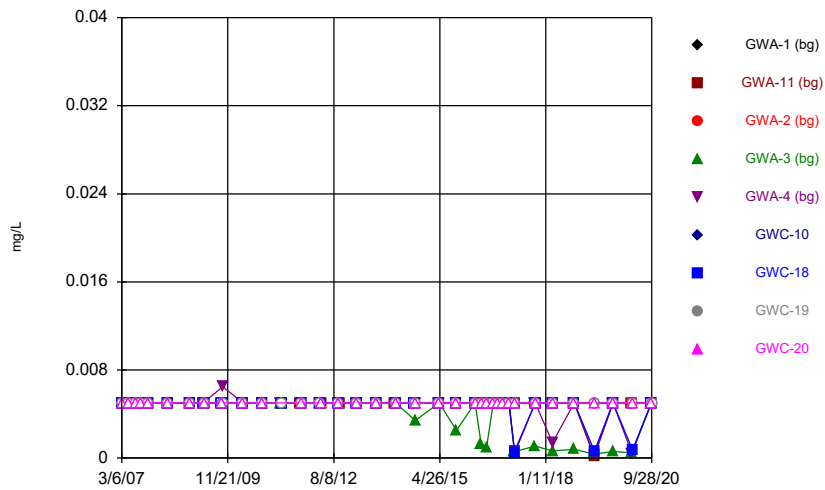
Constituent: Antimony Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



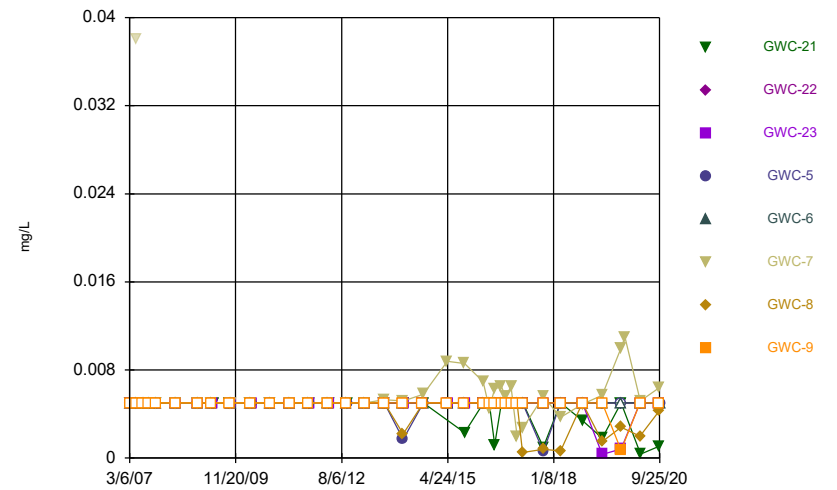
Constituent: Antimony Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



Constituent: Arsenic Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

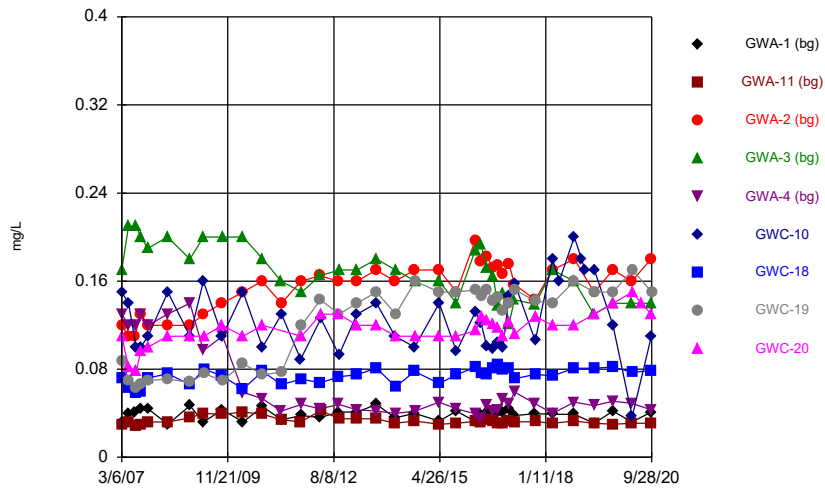
### Time Series



Constituent: Arsenic Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

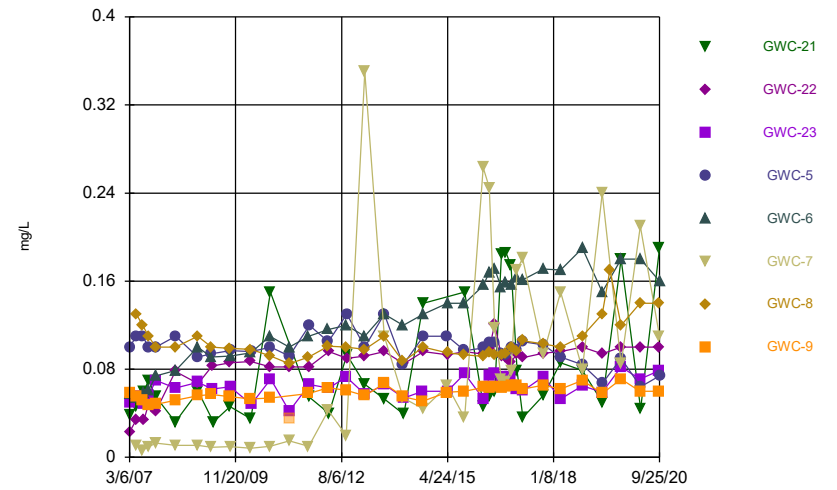


### Time Series



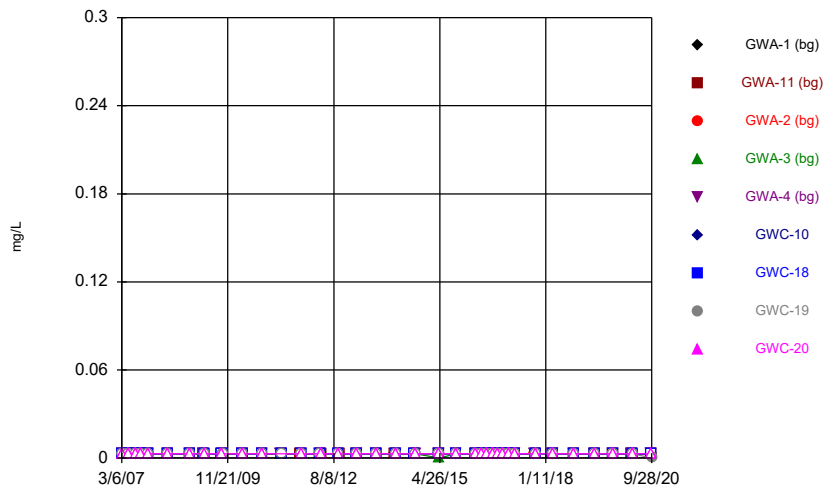
Constituent: Barium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



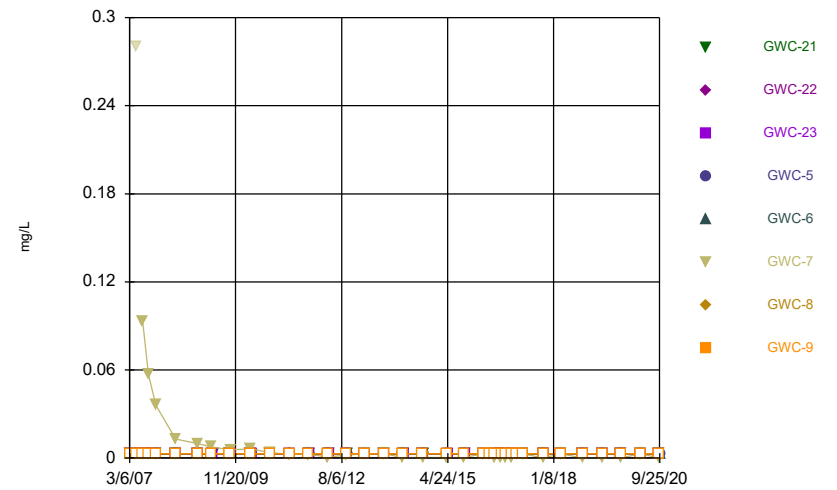
Constituent: Barium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



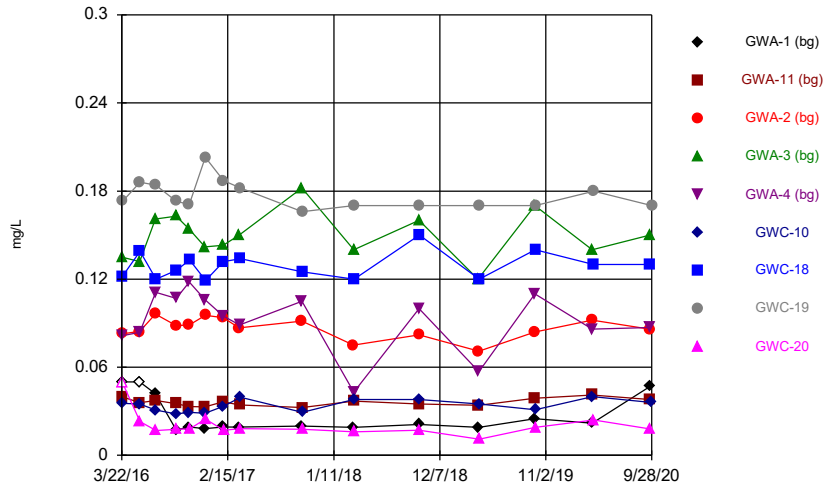
Constituent: Beryllium Analysis Run 10/30/2020 8:16 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Time Series



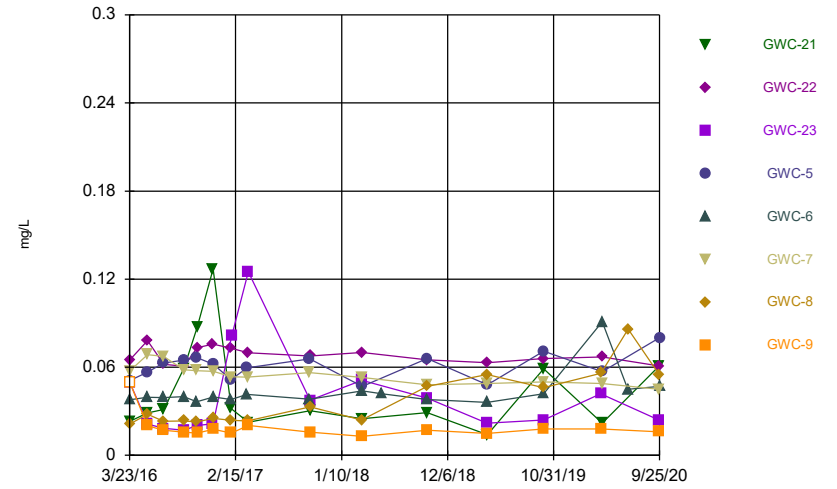
Constituent: Beryllium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



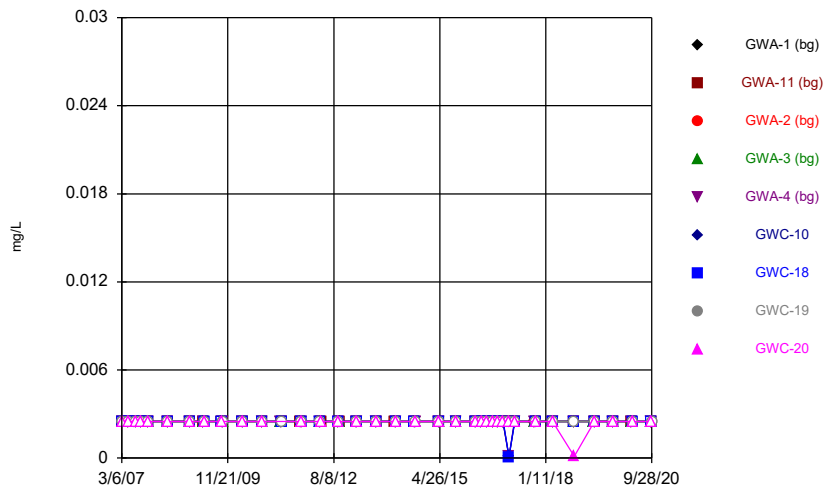
Constituent: Boron Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



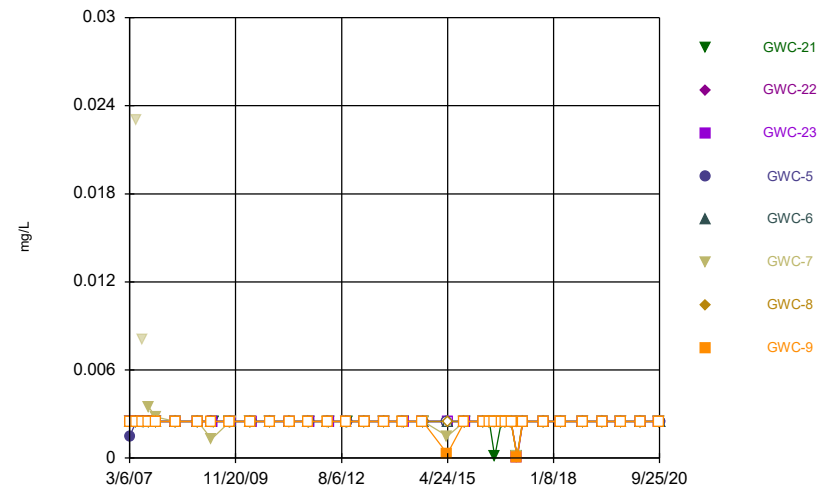
Constituent: Boron Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



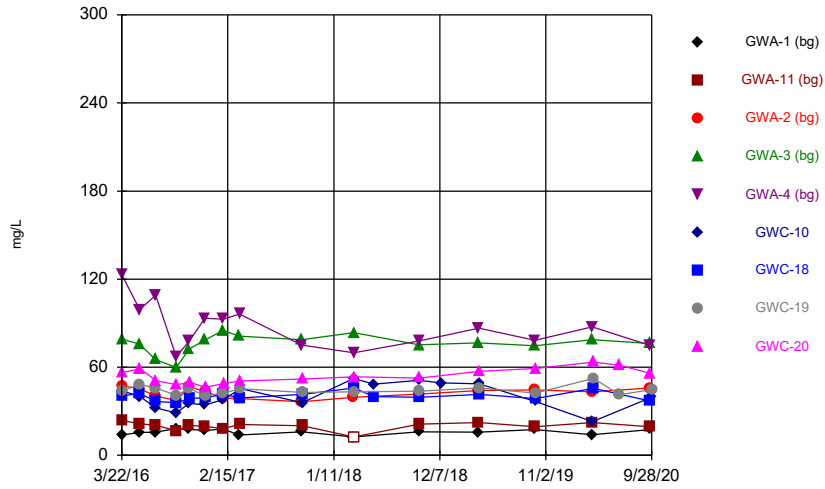
Constituent: Cadmium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



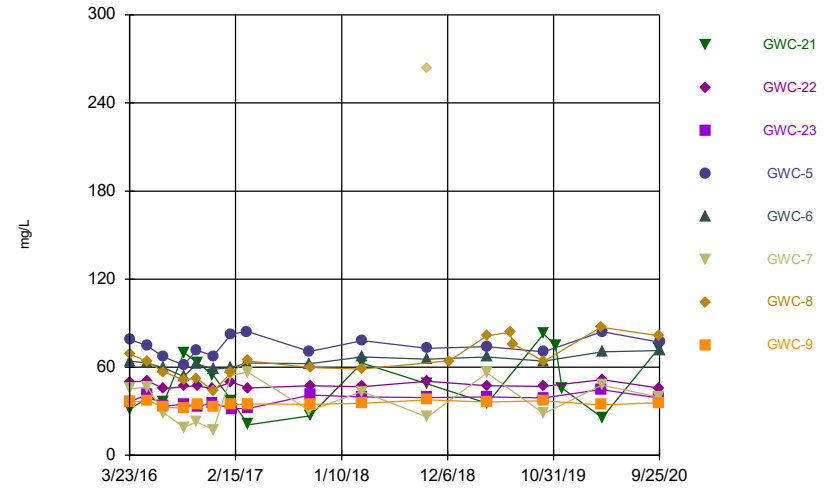
Constituent: Cadmium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



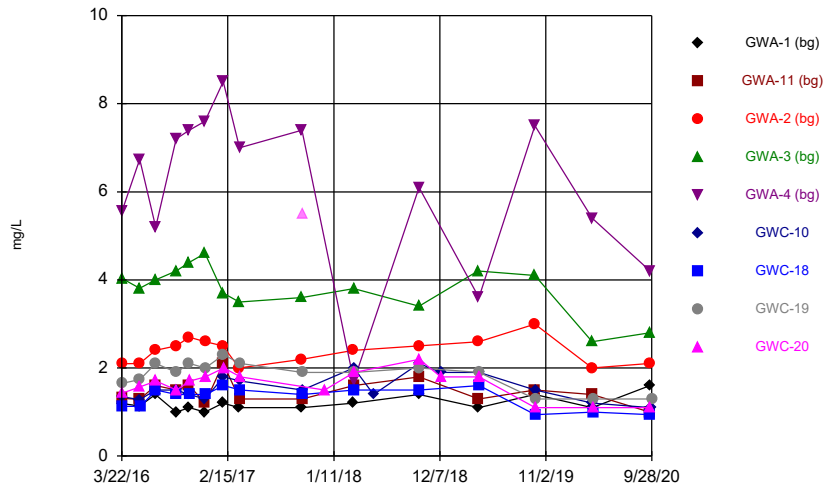
Constituent: Calcium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



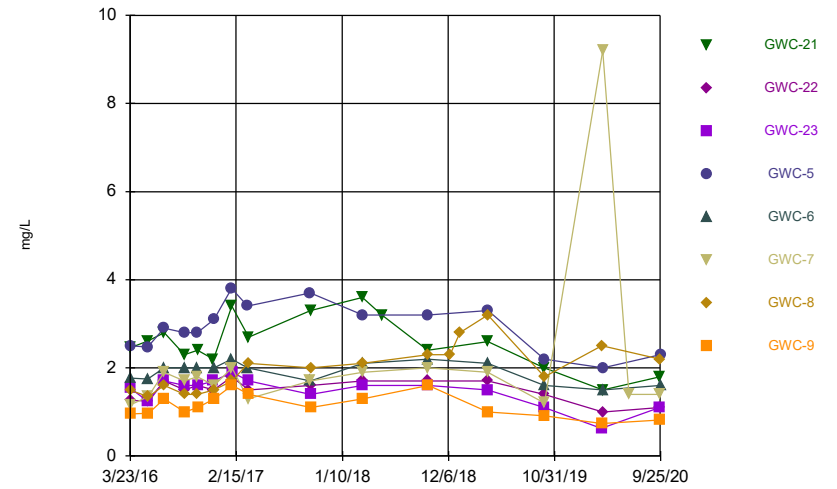
Constituent: Calcium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



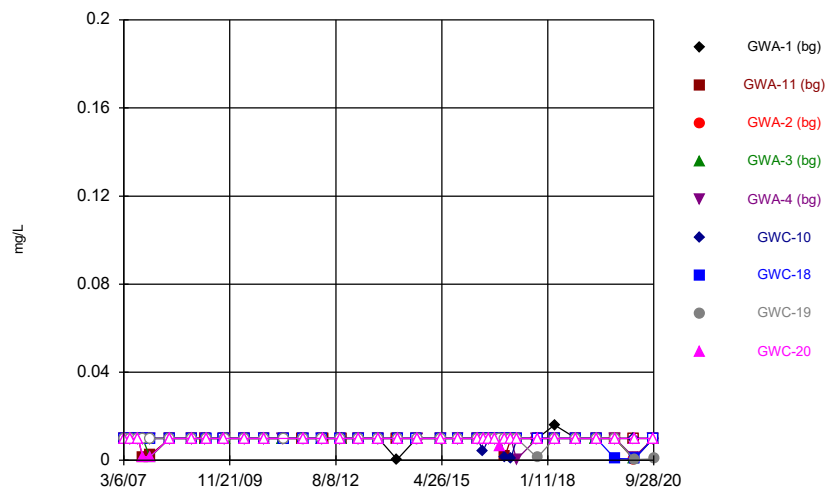
Constituent: Chloride Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



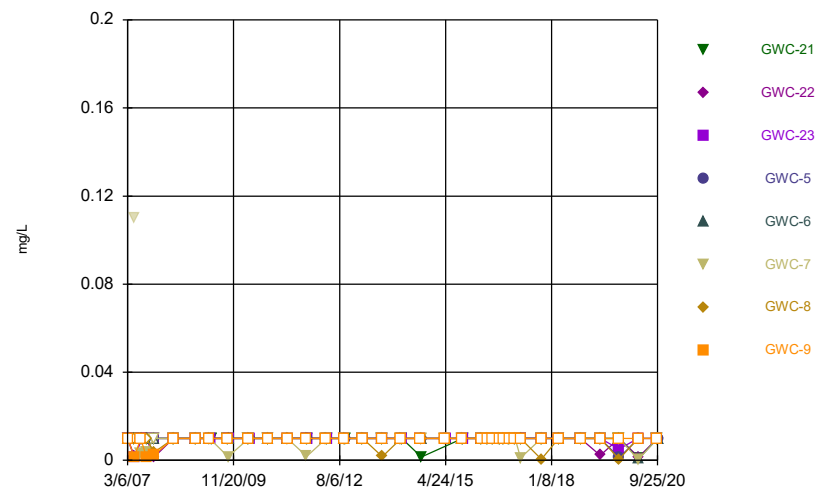
Constituent: Chloride Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



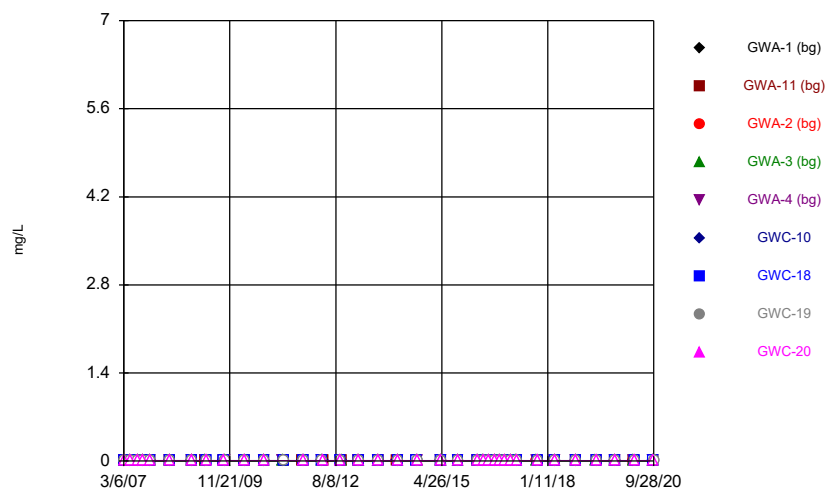
Constituent: Chromium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



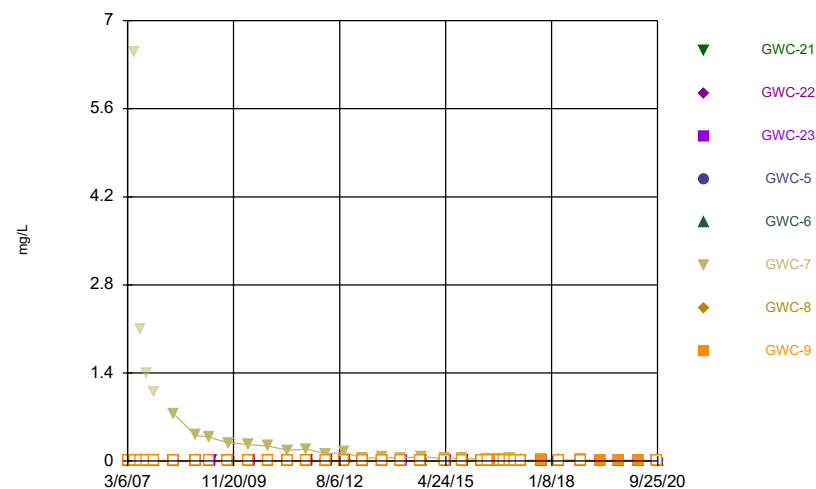
Constituent: Chromium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



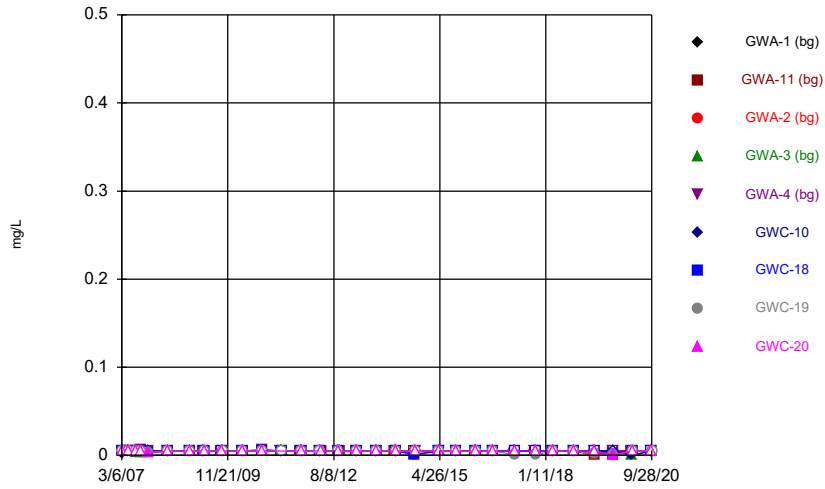
Constituent: Cobalt Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



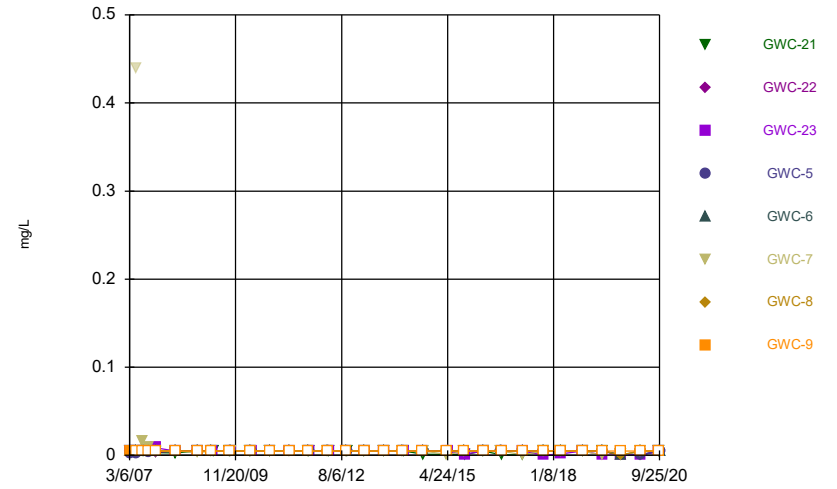
Constituent: Cobalt Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



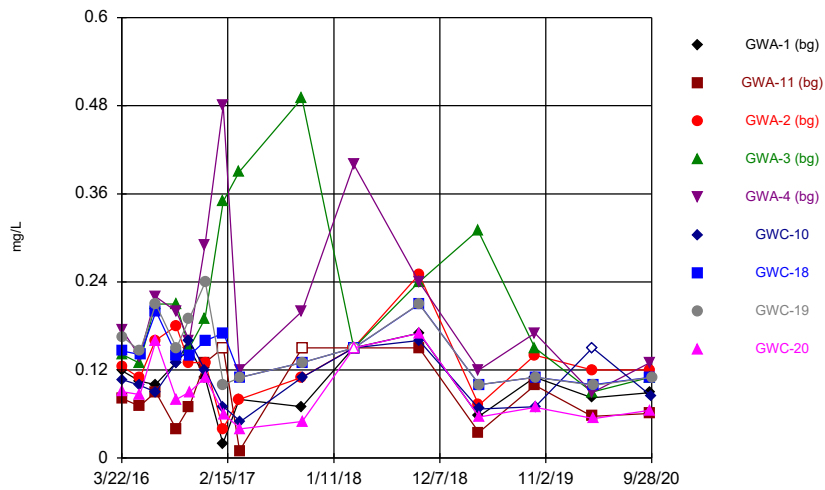
Constituent: Copper Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



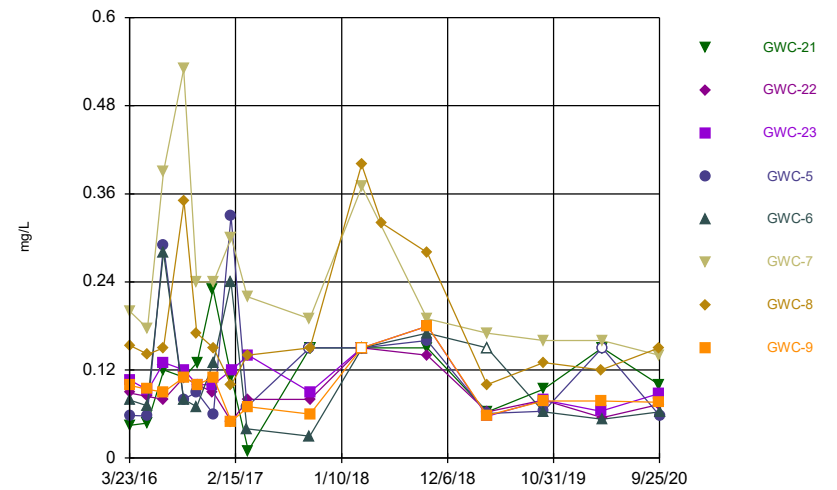
Constituent: Copper Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



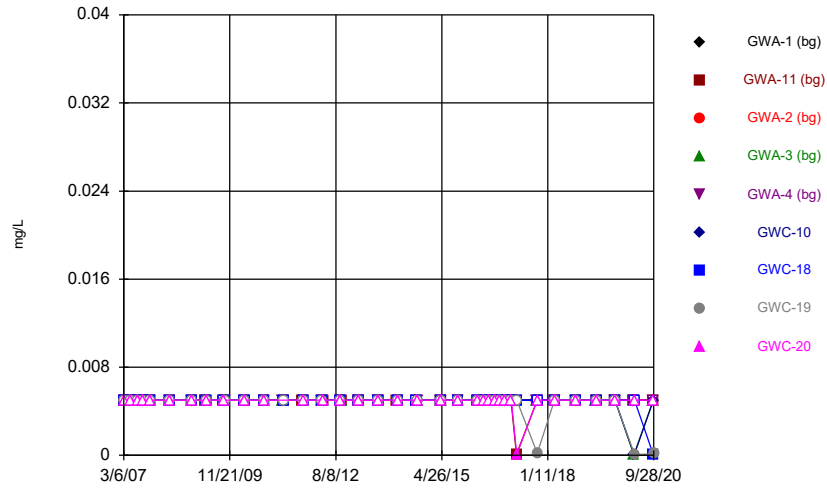
Constituent: Fluoride Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



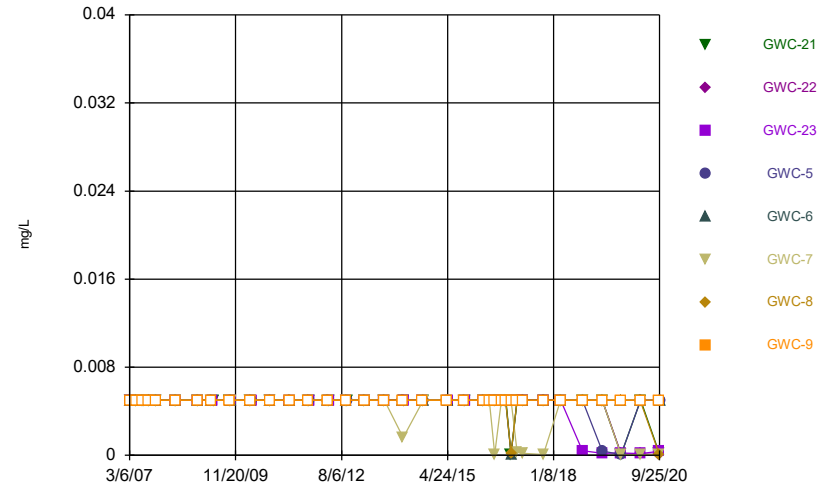
Constituent: Fluoride Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



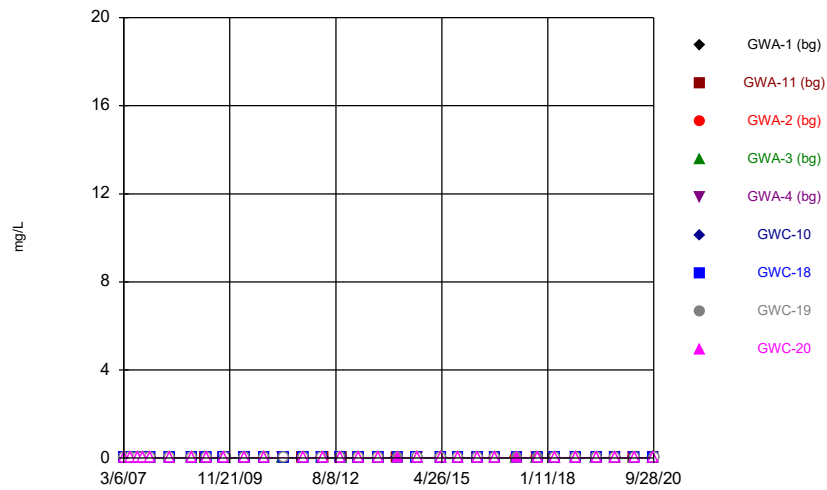
Constituent: Lead Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



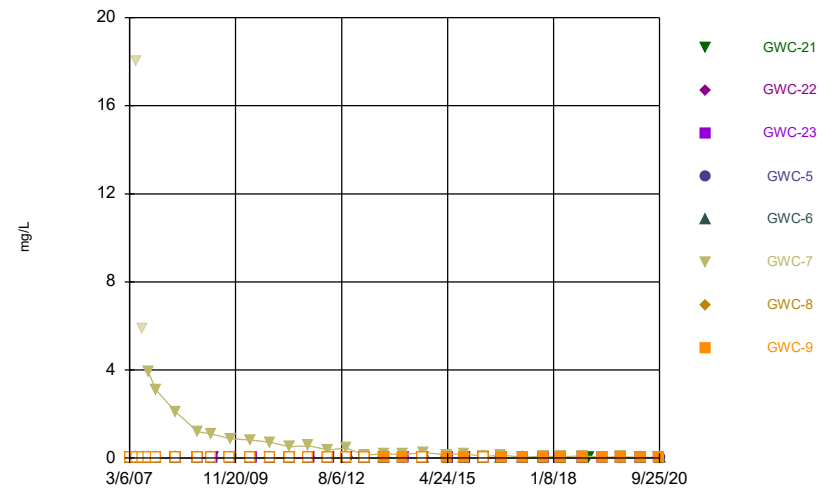
Constituent: Lead Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



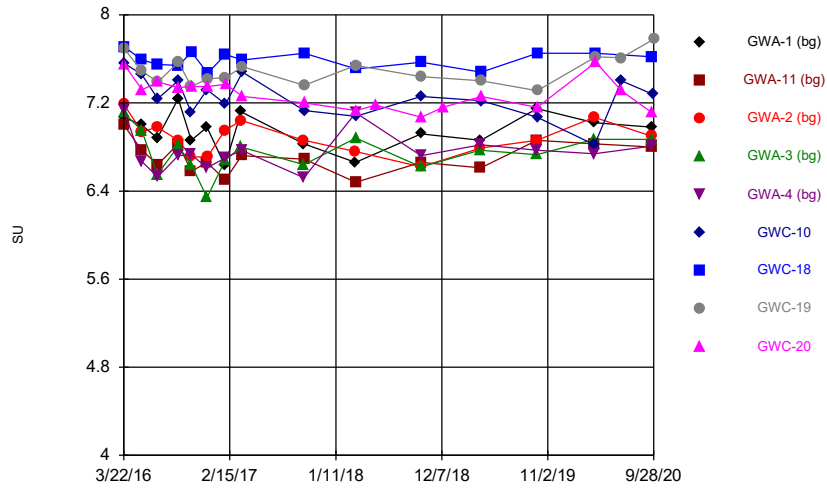
Constituent: Nickel Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



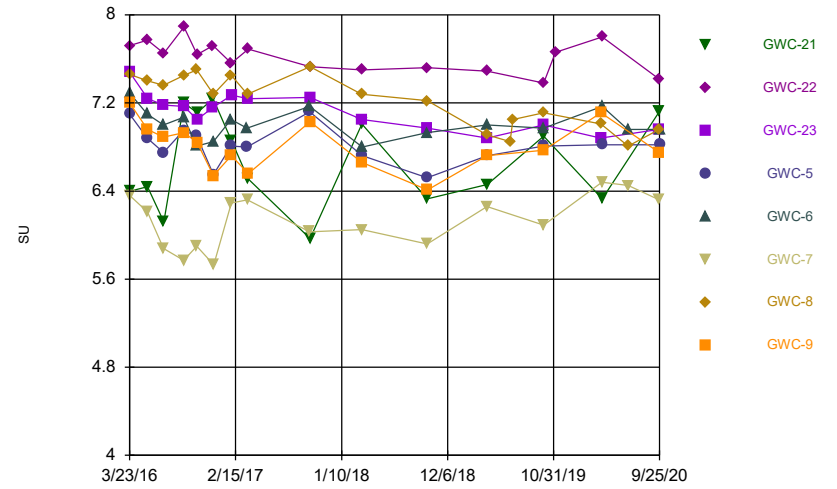
Constituent: Nickel Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



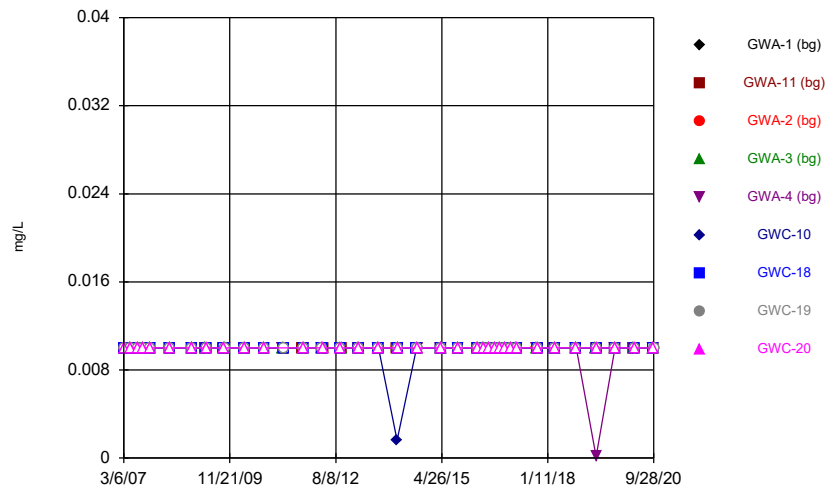
Constituent: pH Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



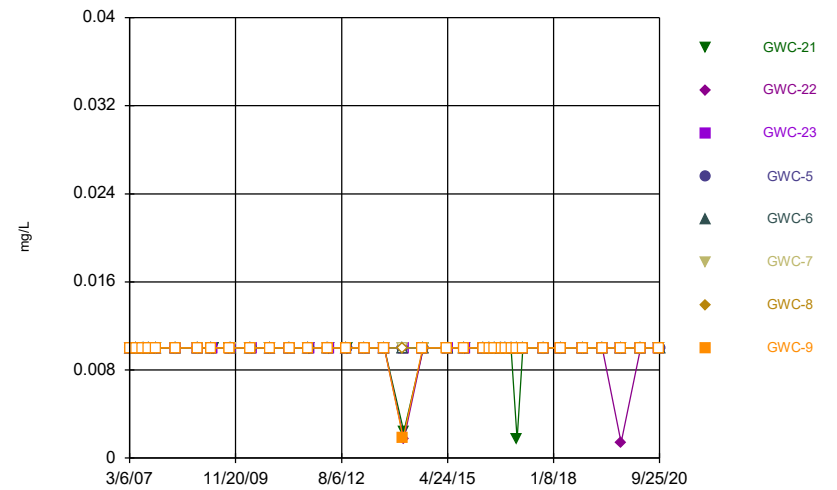
Constituent: pH Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



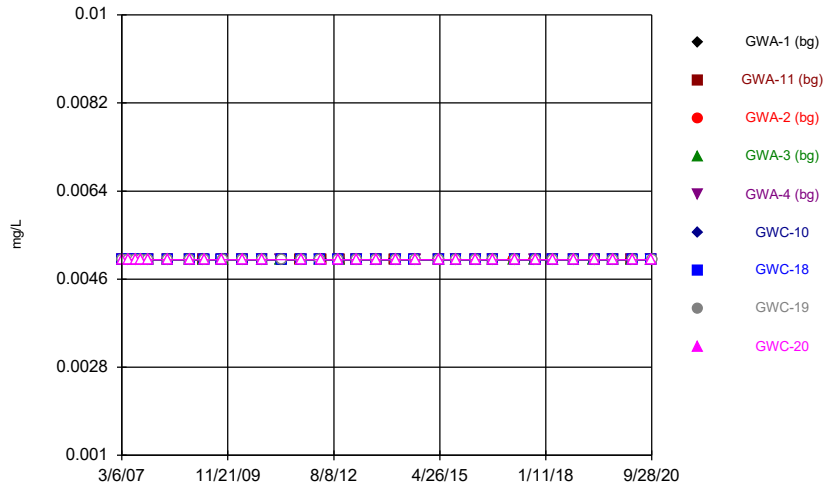
Constituent: Selenium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



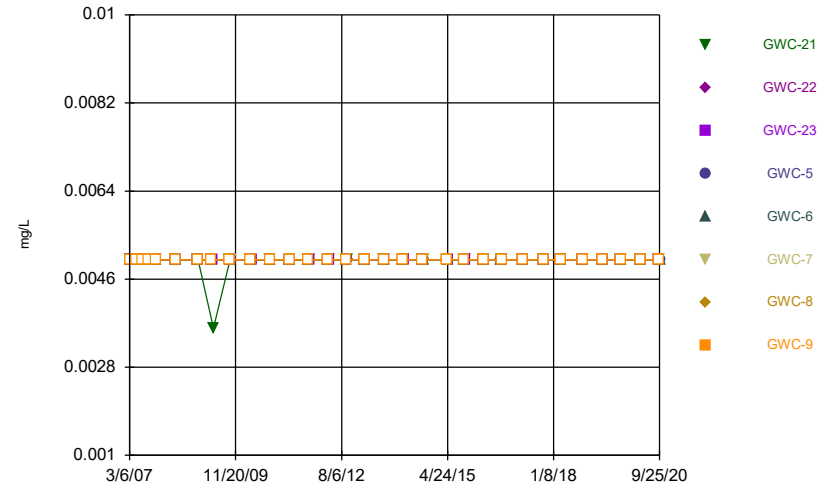
Constituent: Selenium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



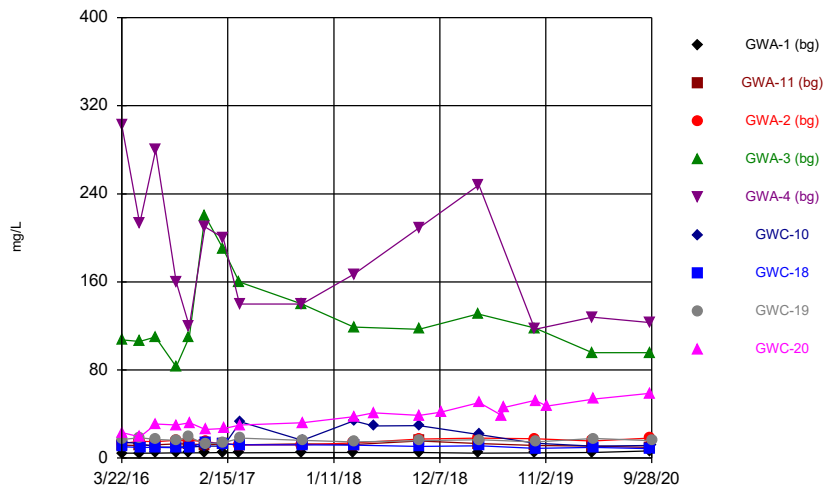
Constituent: Silver Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



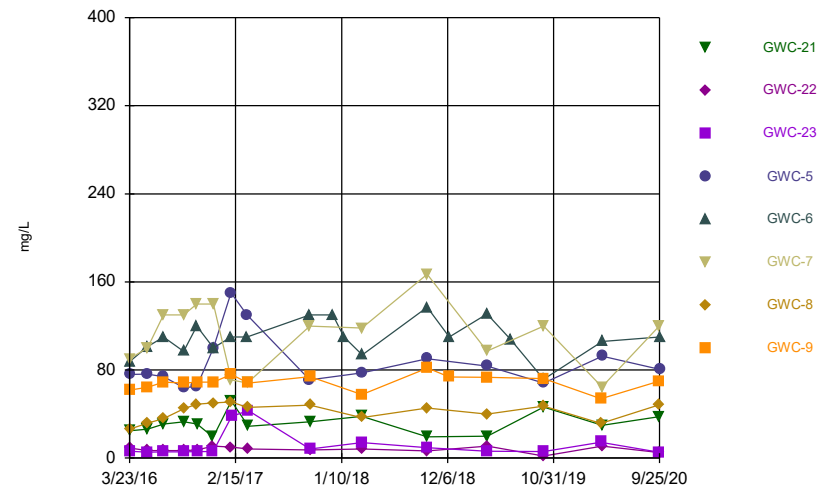
Constituent: Silver Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



Constituent: Sulfate Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

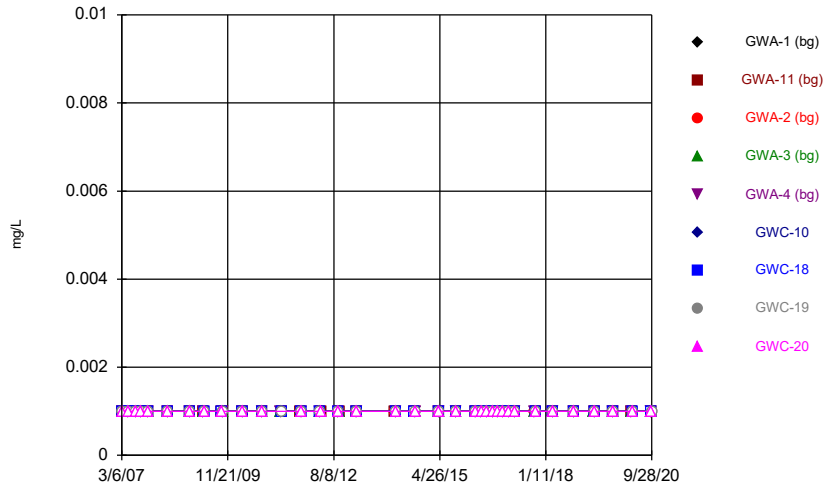
Time Series



Constituent: Sulfate Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

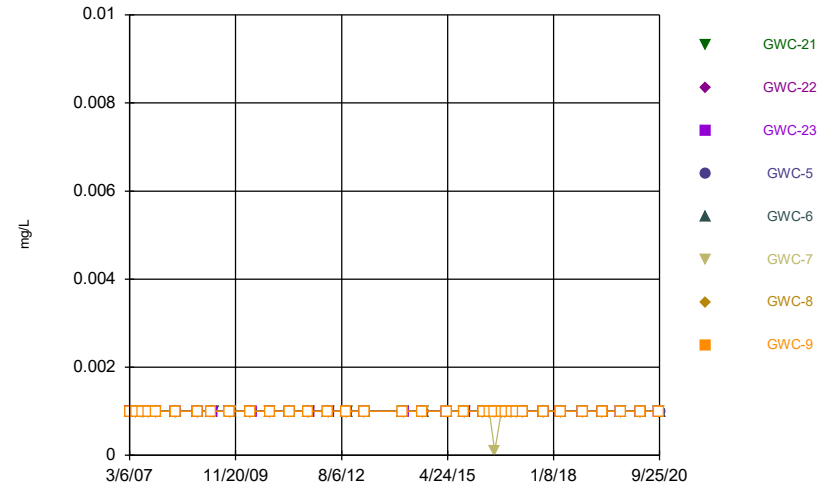


Time Series



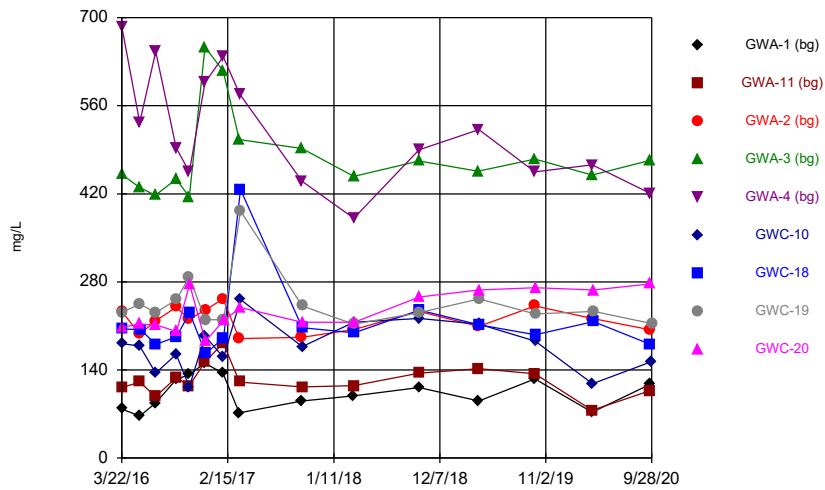
Constituent: Thallium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



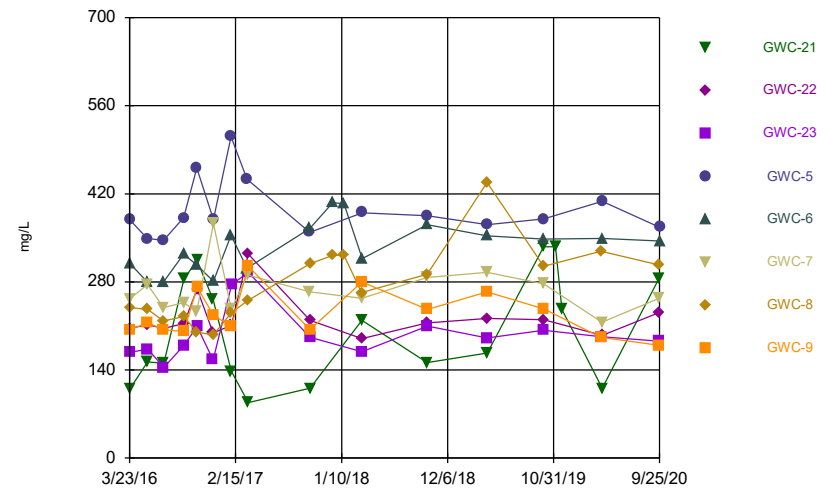
Constituent: Thallium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



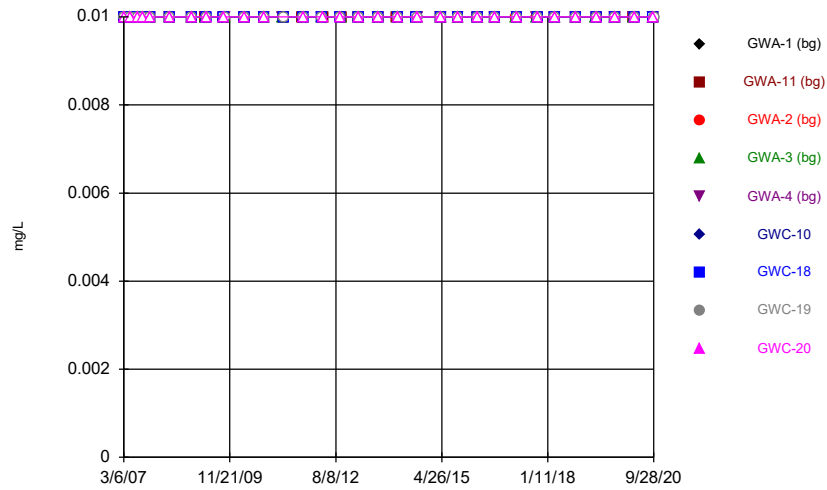
Constituent: Total Dissolved Solids Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



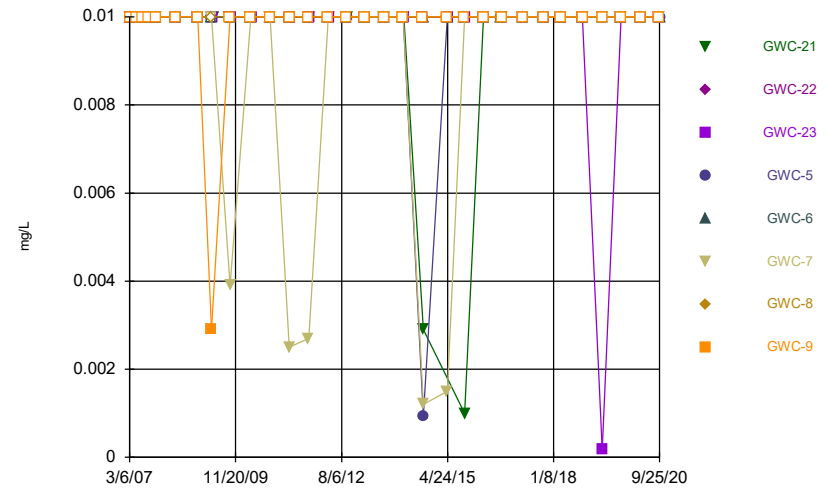
Constituent: Total Dissolved Solids Analysis Run 10/30/2020 8:17 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



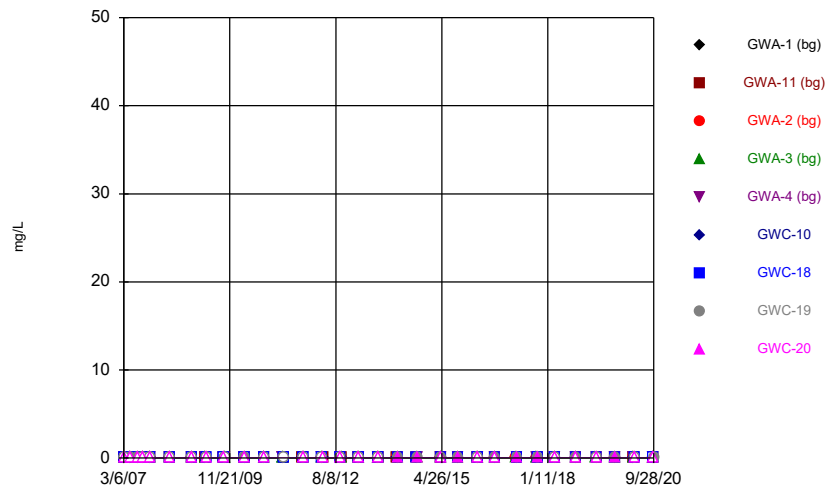
Constituent: Vanadium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



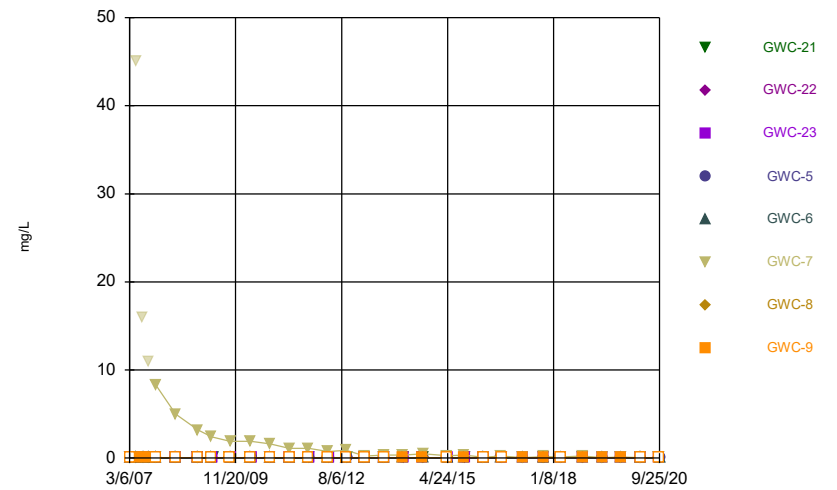
Constituent: Vanadium Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



Constituent: Zinc Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Time Series



Constituent: Zinc Analysis Run 10/30/2020 8:17 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Time Series

Constituent: Antimony (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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 10/30/2020 8:21 AM View: Descriptive

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 10/30/2020 8:21 AM View: Descriptive

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: Antimony (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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				<0.003		<0.003		<0.003
4/22/2015					<0.003		<0.003	
4/23/2015		<0.003	<0.003					
9/29/2015				<0.003	<0.003	<0.003	<0.003	<0.003
9/30/2015	<0.003	<0.003	<0.003					
3/23/2016		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/24/2016	<0.003							
5/17/2016				<0.003	<0.003			
5/18/2016	<0.003	<0.003				<0.003	<0.003	<0.003
5/19/2016			<0.003					
7/6/2016				0.0004 (J)	0.0005 (J)	0.0013 (J)	0.0002 (J)	<0.003
7/7/2016	<0.003	<0.003	<0.003					
9/7/2016				<0.003	<0.003	<0.003		
9/8/2016	<0.003	<0.003	<0.003				<0.003	<0.003
10/18/2016				<0.003	<0.003	<0.003	<0.003	
10/19/2016	<0.003	<0.003	<0.003					<0.003
12/7/2016	<0.003	<0.003	<0.003					
12/8/2016				<0.003	<0.003	<0.003	<0.003	0.0012 (J)
2/1/2017				<0.003	<0.003			
2/2/2017	<0.003	<0.003				<0.003	<0.003	<0.003
2/3/2017			<0.003					
3/23/2017				<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		
10/5/2017	<0.003	<0.003	<0.003				<0.003	<0.003
3/14/2018							<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	
10/5/2018			<0.003					<0.003
4/8/2019			<0.003		<0.003	<0.003	<0.003	<0.003
4/9/2019	<0.003	<0.003		<0.003				
10/1/2019	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/26/2020			<0.003					
3/27/2020							<0.003	<0.003
3/30/2020						<0.003		
3/31/2020	<0.003	<0.003		<0.003	<0.003			
9/23/2020		<0.003	<0.003					
9/24/2020	<0.003					0.0008 (J)	0.0019 (J)	0.00056 (J)
9/25/2020				0.00052 (J)	<0.003			

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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 10/30/2020 8:21 AM    View: Descriptive  
 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 10/30/2020 8:21 AM View: Descriptive

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 10/30/2020 8:21 AM View: Descriptive

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			

# Time Series

Constituent: Barium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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 10/30/2020 8:21 AM View: Descriptive  
 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 10/30/2020 8:21 AM View: Descriptive

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 10/30/2020 8:21 AM    View: Descriptive  
 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			

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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	<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: Beryllium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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		8E-05 (J)	<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		<0.003			<0.003	<0.003		<0.003	
7/7/2016							<0.003		<0.003
9/7/2016	<0.003	<0.003	<0.003	<0.003	<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	<0.003	<0.003	<0.003	<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							<0.003		
9/25/2020						<0.003			
9/28/2020								0.0001 (J)	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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	0.28 (o)	<0.003	
7/6/2007				<0.003		0.093	<0.003	<0.003
7/17/2007	<0.003	<0.003	<0.003		<0.003			
8/28/2007				<0.003	<0.003	0.057	<0.003	<0.003
8/29/2007	<0.003	<0.003	<0.003					
11/6/2007				<0.003	<0.003	0.036	<0.003	<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	0.013	<0.003	<0.003
12/2/2008						0.01	<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						0.0076	<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	0.0057		
4/13/2010	<0.003	<0.003			<0.003	0.0061	<0.003	<0.003
4/14/2010			<0.003	<0.003				
10/6/2010					<0.003			
10/7/2010						0.0039		
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	0.0025	<0.003	<0.003
4/6/2011		<0.003	<0.003					
10/4/2011					<0.003	0.0024	<0.003	<0.003
10/5/2011	<0.003	<0.003						
10/12/2011			<0.003	<0.003				
4/3/2012					<0.003	0.0008	<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	0.002		
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	0.00037 (J)	<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	0.00055 (J)		
9/9/2014	<0.003	<0.003		<0.003			<0.003	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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				<0.003		0.00033 (J)		<0.003
4/22/2015					<0.003		<0.003	
4/23/2015		<0.003	<0.003					
9/29/2015				<0.003	<0.003	0.00046 (J)	<0.003	<0.003
9/30/2015	<0.003	<0.003	<0.003					
3/23/2016		<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
3/24/2016	<0.003							
5/17/2016				<0.003	<0.003			
5/18/2016	<0.003	<0.003				<0.003	<0.003	<0.003
5/19/2016			<0.003					
7/6/2016				<0.003	<0.003	0.0002 (J)	<0.003	<0.003
7/7/2016	<0.003	<0.003	<0.003					
9/7/2016				<0.003	<0.003	0.0002 (J)		
9/8/2016	<0.003	<0.003	<0.003				<0.003	<0.003
10/18/2016				<0.003	<0.003	0.0002 (J)	<0.003	
10/19/2016	<0.003	<0.003	<0.003					<0.003
12/7/2016	<0.003	<0.003	<0.003					
12/8/2016				<0.003	<0.003	0.0003 (J)	<0.003	<0.003
2/1/2017				<0.003	<0.003			
2/2/2017	<0.003	<0.003				<0.003	<0.003	<0.003
2/3/2017			<0.003					
3/23/2017				<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	0.0001 (J)		
10/5/2017	<0.003	<0.003	<0.003				<0.003	<0.003
3/14/2018							<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	0.0002 (J)	<0.003	
10/5/2018			<0.003					<0.003
4/8/2019			<0.003		<0.003	5.8E-05 (J)	<0.003	<0.003
4/9/2019	<0.003	<0.003		<0.003				
10/1/2019	<0.003	<0.003	<0.003	<0.003	<0.003	0.0001 (J)	<0.003	<0.003
3/26/2020			<0.003					
3/27/2020							<0.003	<0.003
3/30/2020						<0.003		
3/31/2020	<0.003	<0.003		<0.003	<0.003			
9/23/2020		<0.003	<0.003					
9/24/2020	<0.003					5E-05 (J)	<0.003	<0.003
9/25/2020				<0.003	<0.003			



# Time Series

Constituent: Boron (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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)			

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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	<0.0025		<0.0025	<0.0025	<0.0025			<0.0025	
3/7/2007		<0.0025				<0.0025	<0.0025		<0.0025
5/8/2007	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
5/9/2007							<0.0025	<0.0025	<0.0025
7/7/2007	<0.0025		<0.0025						
7/17/2007		<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
8/28/2007	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
8/29/2007									<0.0025
11/6/2007	<0.0025		<0.0025	<0.0025	<0.0025				
11/7/2007		<0.0025				<0.0025	<0.0025	<0.0025	<0.0025
5/7/2008							<0.0025	<0.0025	<0.0025
5/8/2008				<0.0025	<0.0025				
5/9/2008	<0.0025	<0.0025	<0.0025			<0.0025			
12/2/2008		<0.0025				<0.0025			
12/3/2008	<0.0025		<0.0025	<0.0025	<0.0025		<0.0025		
12/4/2008								<0.0025	
12/5/2008									<0.0025
4/7/2009	<0.0025		<0.0025	<0.0025	<0.0025				
4/8/2009		<0.0025				<0.0025			
4/14/2009							<0.0025	<0.0025	<0.0025
9/30/2009									<0.0025
10/1/2009	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025		
10/2/2009				<0.0025	<0.0025			<0.0025	
4/13/2010			<0.0025				<0.0025	<0.0025	<0.0025
4/14/2010	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
10/7/2010			<0.0025						
10/12/2010							<0.0025	<0.0025	<0.0025
10/13/2010	<0.0025	<0.0025				<0.0025			
10/14/2010				<0.0025	<0.0025				
4/5/2011				<0.0025	<0.0025				
4/6/2011	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	
10/4/2011		<0.0025				<0.0025			
10/6/2011			<0.0025						
10/10/2011	<0.0025								
10/12/2011				<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
4/3/2012	<0.0025		<0.0025						
4/4/2012				<0.0025	<0.0025				
4/5/2012							<0.0025	<0.0025	
4/9/2012									<0.0025
4/10/2012		<0.0025				<0.0025			
9/19/2012			<0.0025				<0.0025		
9/24/2012	<0.0025				<0.0025				
9/25/2012								<0.0025	<0.0025
9/26/2012		<0.0025		<0.0025		<0.0025			
3/12/2013	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
3/13/2013							<0.0025	<0.0025	<0.0025
9/9/2013			<0.0025						
9/10/2013		<0.0025		<0.0025	<0.0025	<0.0025	<0.0025		
9/11/2013	<0.0025							<0.0025	<0.0025
3/4/2014	<0.0025	<0.0025	<0.0025			<0.0025			
3/10/2014							<0.0025	<0.0025	<0.0025
3/11/2014				<0.0025	<0.0025				

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025		
9/8/2014				<0.0025	<0.0025				
9/9/2014								<0.0025	<0.0025
4/21/2015	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
4/22/2015			<0.0025				<0.0025	<0.0025	
4/23/2015									<0.0025
9/29/2015		<0.0025		<0.0025	<0.0025				
9/30/2015	<0.0025		<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
3/22/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
3/23/2016						<0.0025			<0.0025
3/24/2016							<0.0025	<0.0025	
5/17/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
5/18/2016							<0.0025	<0.0025	<0.0025
7/5/2016	<0.0025		<0.0025	<0.0025					
7/6/2016		<0.0025			<0.0025	<0.0025		<0.0025	
7/7/2016							<0.0025		<0.0025
9/7/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/8/2016							<0.0025	<0.0025	<0.0025
10/18/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
10/19/2016							<0.0025		<0.0025
12/6/2016	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025			
12/7/2016			<0.0025					<0.0025	<0.0025
12/8/2016							<0.0025		
1/31/2017	<0.0025		<0.0025						
2/1/2017		<0.0025		<0.0025	0.0001 (J)				
2/2/2017						9E-05 (J)	8E-05 (J)	<0.0025	
2/3/2017									<0.0025
3/23/2017	<0.0025		<0.0025	<0.0025					
3/24/2017		<0.0025			<0.0025				
3/27/2017						<0.0025	<0.0025	<0.0025	<0.0025
10/4/2017	<0.0025		<0.0025	<0.0025	<0.0025				
10/5/2017		<0.0025				<0.0025	<0.0025	<0.0025	<0.0025
3/14/2018	<0.0025		<0.0025						
3/15/2018		<0.0025		<0.0025	<0.0025	<0.0025		<0.0025	
3/16/2018							<0.0025		<0.0025
10/4/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
10/5/2018							<0.0025		0.00011 (J)
4/5/2019				<0.0025					
4/8/2019	<0.0025	<0.0025	<0.0025		<0.0025				
4/9/2019						<0.0025	<0.0025	<0.0025	<0.0025
9/30/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
10/1/2019						<0.0025	<0.0025	<0.0025	<0.0025
3/26/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
3/27/2020						<0.0025			
3/30/2020							<0.0025		
3/31/2020								<0.0025	<0.0025
9/21/2020			<0.0025						
9/22/2020		<0.0025							
9/23/2020	<0.0025			<0.0025	<0.0025				<0.0025
9/24/2020							<0.0025		
9/25/2020						<0.0025			
9/28/2020								<0.0025	

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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	<0.0025	<0.0025	<0.0025					
3/7/2007				0.0015	<0.0025			<0.0025
5/8/2007				<0.0025				<0.0025
5/9/2007	<0.0025	<0.0025	<0.0025		<0.0025	0.023 (o)	<0.0025	
7/6/2007				<0.0025		0.0081 (o)	<0.0025	<0.0025
7/17/2007	<0.0025	<0.0025	<0.0025		<0.0025			
8/28/2007				<0.0025	<0.0025	0.0035	<0.0025	<0.0025
8/29/2007	<0.0025	<0.0025	<0.0025					
11/6/2007				<0.0025	<0.0025	0.0028	<0.0025	<0.0025
11/7/2007	<0.0025	<0.0025	<0.0025					
5/7/2008	<0.0025	<0.0025	<0.0025					
5/8/2008				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
12/2/2008						<0.0025	<0.0025	<0.0025
12/3/2008				<0.0025	<0.0025			
12/5/2008	<0.0025	<0.0025	<0.0025					
4/7/2009				<0.0025	<0.0025			
4/8/2009						0.0013	<0.0025	<0.0025
4/14/2009		<0.0025	<0.0025					
4/27/2009	<0.0025							
9/30/2009	<0.0025	<0.0025					<0.0025	<0.0025
10/1/2009			<0.0025	<0.0025	<0.0025	<0.0025		
4/13/2010	<0.0025	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
4/14/2010			<0.0025	<0.0025				
10/6/2010					<0.0025			
10/7/2010						<0.0025		
10/12/2010	<0.0025	<0.0025						
10/13/2010			<0.0025				<0.0025	<0.0025
10/14/2010				<0.0025				
4/5/2011				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/6/2011		<0.0025	<0.0025					
10/4/2011					<0.0025	<0.0025	<0.0025	<0.0025
10/5/2011	<0.0025	<0.0025						
10/12/2011			<0.0025	<0.0025				
4/3/2012					<0.0025	<0.0025	<0.0025	
4/4/2012				<0.0025				<0.0025
4/9/2012		<0.0025	<0.0025					
4/10/2012	<0.0025							
9/18/2012					<0.0025	<0.0025		
9/19/2012			<0.0025				<0.0025	<0.0025
9/24/2012				<0.0025				
9/25/2012		<0.0025						
9/26/2012	<0.0025							
3/12/2013				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/13/2013	<0.0025	<0.0025	<0.0025					
9/9/2013					<0.0025			
9/10/2013			<0.0025	<0.0025		<0.0025	<0.0025	<0.0025
9/11/2013	<0.0025	<0.0025						
3/5/2014				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/11/2014	<0.0025	<0.0025	<0.0025					
9/3/2014			<0.0025					<0.0025
9/8/2014					<0.0025	<0.0025		
9/9/2014	<0.0025	<0.0025		<0.0025			<0.0025	



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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				<0.0025		0.0015		0.00029 (J)
4/22/2015					<0.0025		<0.0025	
4/23/2015		<0.0025	<0.0025					
9/29/2015				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
9/30/2015	<0.0025	<0.0025	<0.0025					
3/23/2016		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/24/2016	<0.0025							
5/17/2016				<0.0025	<0.0025			
5/18/2016	<0.0025	<0.0025				<0.0025	<0.0025	<0.0025
5/19/2016			<0.0025					
7/6/2016				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
7/7/2016	0.0001 (J)	<0.0025	<0.0025					
9/7/2016				<0.0025	<0.0025	<0.0025		
9/8/2016	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
10/18/2016				<0.0025	<0.0025	<0.0025	<0.0025	
10/19/2016	<0.0025	<0.0025	<0.0025					<0.0025
12/7/2016	<0.0025	<0.0025	<0.0025					
12/8/2016				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
2/1/2017				<0.0025	<0.0025			
2/2/2017	0.0001 (J)	<0.0025				0.0001 (J)	8E-05 (J)	8E-05 (J)
2/3/2017			8E-05 (J)					
3/23/2017				<0.0025	<0.0025			
3/24/2017						<0.0025	<0.0025	
3/27/2017	<0.0025	<0.0025	<0.0025					<0.0025
10/4/2017				<0.0025	<0.0025	<0.0025		
10/5/2017	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025
3/14/2018							<0.0025	
3/15/2018	<0.0025	<0.0025	<0.0025			<0.0025		<0.0025
3/16/2018				<0.0025	<0.0025			
10/4/2018	<0.0025	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025	
10/5/2018			<0.0025					<0.0025
4/8/2019			<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
4/9/2019	<0.0025	<0.0025		<0.0025				
10/1/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
3/26/2020			<0.0025					
3/27/2020							<0.0025	<0.0025
3/30/2020						<0.0025		
3/31/2020	<0.0025	<0.0025		<0.0025	<0.0025			
9/23/2020		<0.0025	<0.0025					
9/24/2020	<0.0025					<0.0025	<0.0025	<0.0025
9/25/2020				<0.0025	<0.0025			



# Time Series

Constituent: Calcium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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			



# Time Series

Constituent: Chloride (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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			

# Time Series

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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	0.0013	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	
8/29/2007									0.0016
11/6/2007	<0.01		<0.01	0.0014	<0.01				
11/7/2007		0.0024				<0.01	<0.01	<0.01	0.0016
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	0.00032 (J)	<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: Chromium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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	
5/17/2016	<0.01	<0.01	<0.01	<0.01	<0.01	0.00424 (J)			
5/18/2016							<0.01	<0.01	<0.01
7/5/2016	<0.01		<0.01	<0.01					
7/6/2016		<0.01			<0.01	<0.01		<0.01	
7/7/2016							<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
10/18/2016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
10/19/2016							<0.01		0.0064 (J)
12/6/2016	<0.01	0.0018 (J)		<0.01	<0.01	0.0013 (J)			
12/7/2016			<0.01					<0.01	<0.01
12/8/2016							<0.01		
1/31/2017	<0.01		<0.01						
2/1/2017		<0.01		<0.01	<0.01				
2/2/2017						0.001 (J)	<0.01	<0.01	
2/3/2017									<0.01
3/23/2017	<0.01		<0.01	<0.01					
3/24/2017		<0.01			0.0004 (J)				
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	0.0012 (J)	<0.01
3/14/2018	0.016		<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	0.00086 (J)	<0.01	<0.01
3/26/2020	<0.01	<0.01	0.00043 (J)	0.00062 (J)	0.0013 (J)				
3/27/2020						<0.01			
3/30/2020							0.00071 (J)		
3/31/2020								0.00042 (J)	<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								0.00063 (J)	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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				0.0013
5/9/2007	<0.01	0.002	0.0013		<0.01	0.11 (o)	<0.01	
7/6/2007				<0.01		0.0029	<0.01	<0.01
7/17/2007	<0.01	<0.01	<0.01		<0.01			
8/28/2007				<0.01	<0.01	0.0038	<0.01	0.0014
8/29/2007	<0.01	<0.01	<0.01					
11/6/2007				<0.01	<0.01	<0.01	0.0035	0.0024
11/7/2007	<0.01	0.0013	<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	<0.01
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	0.0016		
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	<0.01	<0.01	<0.01
4/6/2011		<0.01	<0.01					
10/4/2011					<0.01	0.0018	<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	0.0017	<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	<0.01		
9/9/2014	0.0015	<0.01		<0.01			<0.01	



# Time Series

Constituent: Chromium (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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				<0.01		<0.01		<0.01
4/22/2015					<0.01		<0.01	
4/23/2015		<0.01	<0.01					
9/29/2015				<0.01	<0.01	<0.01	<0.01	<0.01
9/30/2015	<0.01	<0.01	<0.01					
3/23/2016		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/24/2016	<0.01							
5/17/2016				<0.01	<0.01			
5/18/2016	<0.01	<0.01				<0.01	<0.01	<0.01
5/19/2016			<0.01					
7/6/2016				<0.01	<0.01	<0.01	<0.01	<0.01
7/7/2016	<0.01	<0.01	<0.01					
9/7/2016				<0.01	<0.01	<0.01		
9/8/2016	<0.01	<0.01	<0.01				<0.01	<0.01
10/18/2016				<0.01	<0.01	<0.01	<0.01	
10/19/2016	<0.01	<0.01	<0.01					<0.01
12/7/2016	<0.01	<0.01	<0.01					
12/8/2016				<0.01	<0.01	<0.01	<0.01	<0.01
2/1/2017				<0.01	<0.01			
2/2/2017	<0.01	<0.01				<0.01	<0.01	<0.01
2/3/2017			<0.01					
3/23/2017				<0.01	<0.01			
3/24/2017						0.0011 (J)	<0.01	
3/27/2017	<0.01	<0.01	<0.01					<0.01
10/4/2017				<0.01	<0.01	<0.01		
10/5/2017	<0.01	<0.01	<0.01				0.0005 (J)	<0.01
3/14/2018							<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	
10/5/2018			<0.01					<0.01
4/8/2019			<0.01		<0.01	<0.01	<0.01	<0.01
4/9/2019	<0.01	0.0023 (J)		<0.01				
10/1/2019	<0.01	<0.01	0.0051 (J)	0.0012 (J)	<0.01	<0.01	0.0005 (J)	<0.01
3/26/2020			<0.01					
3/27/2020							<0.01	<0.01
3/30/2020						0.00041 (J)		
3/31/2020	0.00093 (J)	0.0015 (J)		<0.01	0.00085 (J)			
9/23/2020		<0.01	<0.01					
9/24/2020	<0.01					<0.01	<0.01	<0.01
9/25/2020				<0.01	<0.01			

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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 10/30/2020 8:21 AM View: Descriptive

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 10/30/2020 8:21 AM View: Descriptive

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 10/30/2020 8:21 AM View: Descriptive

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			

# Time Series

Constituent: Copper (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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 10/30/2020 8:21 AM View: Descriptive  
 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	

# Time Series

Constituent: Copper (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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 10/30/2020 8:21 AM View: Descriptive  
 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			



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 10/30/2020 8:21 AM View: Descriptive

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)			

# Time Series

Constituent: Lead (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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: Lead (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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		7E-05 (J)			<0.005				
3/27/2017						<0.005	<0.005	<0.005	7E-05 (J)
10/4/2017	<0.005		<0.005	<0.005	<0.005				
10/5/2017		<0.005				<0.005	<0.005	0.0002 (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	<0.005	<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	4.7E-05 (J)	<0.005				
3/27/2020						5.4E-05 (J)			
3/30/2020							<0.005		
3/31/2020								6.1E-05 (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							4E-05 (J)		
9/25/2020						<0.005			
9/28/2020								0.00014 (J)	

# Time Series

Constituent: Lead (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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	0.0016 (J)	<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: Lead (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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		<0.005		<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	<0.005	<0.005	<0.005					
3/23/2016		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/24/2016	<0.005							
5/17/2016				<0.005	<0.005			
5/18/2016	<0.005	<0.005				<0.005	<0.005	<0.005
5/19/2016			<0.005					
7/6/2016				<0.005	<0.005	0.0001 (J)	<0.005	<0.005
7/7/2016	<0.005	<0.005	<0.005					
9/7/2016				<0.005	<0.005	<0.005		
9/8/2016	<0.005	<0.005	<0.005				<0.005	<0.005
10/18/2016				<0.005	<0.005	<0.005	<0.005	
10/19/2016	<0.005	<0.005	<0.005					<0.005
12/7/2016	0.0001 (J)	<0.005	<0.005					
12/8/2016				<0.005	0.0001 (J)	<0.005	0.0002 (J)	<0.005
2/1/2017				<0.005	<0.005			
2/2/2017	<0.005	<0.005				0.0003 (J)	<0.005	<0.005
2/3/2017			<0.005					
3/23/2017				<0.005	<0.005			
3/24/2017						0.0002 (J)	<0.005	
3/27/2017	<0.005	<0.005	<0.005					<0.005
10/4/2017				<0.005	<0.005	7E-05 (J)		
10/5/2017	<0.005	<0.005	<0.005				<0.005	<0.005
3/14/2018							<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	
10/5/2018			0.00042 (J)					<0.005
4/8/2019			0.00018 (J)		<0.005	<0.005	<0.005	<0.005
4/9/2019	<0.005	<0.005		0.00039 (J)				
10/1/2019	7.5E-05 (J)	0.00012 (J)	0.00022 (J)	6.5E-05 (J)	<0.005	5E-05 (J)	<0.005	<0.005
3/26/2020			0.00016 (J)					
3/27/2020							<0.005	<0.005
3/30/2020						4.8E-05 (J)		
3/31/2020	<0.005	0.00013 (J)		<0.005	<0.005			
9/23/2020		6.6E-05 (J)	0.00036 (J)					
9/24/2020	0.00012 (J)					6E-05 (J)	4.9E-05 (J)	<0.005
9/25/2020				<0.005	<0.005			

# Time Series

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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 10/30/2020 8:22 AM View: Descriptive

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	

# Time Series

Constituent: Nickel (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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 10/30/2020 8:22 AM View: Descriptive

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			



# Time Series

Constituent: pH (SU) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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			

# Time Series

Constituent: Selenium (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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			0.0016 (J)			
3/10/2014							<0.01	<0.01	<0.01
3/11/2014				<0.01	<0.01				

# Time Series

Constituent: Selenium (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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	
5/17/2016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01			
5/18/2016							<0.01	<0.01	<0.01
7/5/2016	<0.01		<0.01	<0.01					
7/6/2016		<0.01			<0.01	<0.01		<0.01	
7/7/2016							<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
10/18/2016	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01		<0.01	
10/19/2016							<0.01		<0.01
12/6/2016	<0.01	<0.01		<0.01	<0.01	<0.01			
12/7/2016			<0.01					<0.01	<0.01
12/8/2016							<0.01		
1/31/2017	<0.01		<0.01						
2/1/2017		<0.01		<0.01	<0.01				
2/2/2017						<0.01	<0.01	<0.01	
2/3/2017									<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		0.00014 (J)				
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	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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	<0.01
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	<0.01		
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	<0.01	<0.01	<0.01
4/6/2011		<0.01	<0.01					
10/4/2011					<0.01	<0.01	<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	0.0018 (J)
3/11/2014	0.0024 (J)	0.0017 (J)	<0.01					
9/3/2014			<0.01					<0.01
9/8/2014					<0.01	<0.01		
9/9/2014	<0.01	<0.01		<0.01			<0.01	



# Time Series

Constituent: Selenium (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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				<0.01		<0.01		<0.01
4/22/2015					<0.01		<0.01	
4/23/2015		<0.01	<0.01					
9/29/2015				<0.01	<0.01	<0.01	<0.01	<0.01
9/30/2015	<0.01	<0.01	<0.01					
3/23/2016		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/24/2016	<0.01							
5/17/2016				<0.01	<0.01			
5/18/2016	<0.01	<0.01				<0.01	<0.01	<0.01
5/19/2016			<0.01					
7/6/2016				<0.01	<0.01	<0.01	<0.01	<0.01
7/7/2016	<0.01	<0.01	<0.01					
9/7/2016				<0.01	<0.01	<0.01		
9/8/2016	<0.01	<0.01	<0.01				<0.01	<0.01
10/18/2016				<0.01	<0.01	<0.01	<0.01	
10/19/2016	<0.01	<0.01	<0.01					<0.01
12/7/2016	<0.01	<0.01	<0.01					
12/8/2016				<0.01	<0.01	<0.01	<0.01	<0.01
2/1/2017				<0.01	<0.01			
2/2/2017	0.0017 (J)	<0.01				<0.01	<0.01	<0.01
2/3/2017			<0.01					
3/23/2017				<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		
10/5/2017	<0.01	<0.01	<0.01				<0.01	<0.01
3/14/2018							<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	
10/5/2018			<0.01					<0.01
4/8/2019			<0.01		<0.01	<0.01	<0.01	<0.01
4/9/2019	<0.01	<0.01		<0.01				
10/1/2019	<0.01	0.0014 (J)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/26/2020			<0.01					
3/27/2020							<0.01	<0.01
3/30/2020						<0.01		
3/31/2020	<0.01	<0.01		<0.01	<0.01			
9/23/2020		<0.01	<0.01					
9/24/2020	<0.01					<0.01	<0.01	<0.01
9/25/2020				<0.01	<0.01			

# Time Series

Constituent: Silver (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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 10/30/2020 8:22 AM View: Descriptive

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	

# Time Series

Constituent: Silver (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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: Silver (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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		<0.005		<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	<0.005	<0.005	<0.005					
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	<0.005	<0.005	<0.005				<0.005	<0.005
3/23/2017				<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		
10/5/2017	<0.005	<0.005	<0.005				<0.005	<0.005
3/14/2018							<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	
10/5/2018			<0.005					<0.005
4/8/2019			<0.005		<0.005	<0.005	<0.005	<0.005
4/9/2019	<0.005	<0.005		<0.005				
10/1/2019	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
3/26/2020			<0.005					
3/27/2020							<0.005	<0.005
3/30/2020						<0.005		
3/31/2020	<0.005	<0.005		<0.005	<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			



# Time Series

Constituent: Sulfate (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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			

# Time Series

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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 10/30/2020 8:22 AM View: Descriptive

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	

# Time Series

Constituent: Thallium (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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: Thallium (mg/L)    Analysis Run 10/30/2020 8:22 AM    View: Descriptive  
 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		<0.001	<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	<0.001	<0.001	<0.001					
12/8/2016				<0.001	<0.001	<0.001	<0.001	<0.001
2/1/2017				<0.001	<0.001			
2/2/2017	<0.001	<0.001				<0.001	<0.001	<0.001
2/3/2017			<0.001					
3/23/2017				<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		
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			<0.001					<0.001
4/8/2019			<0.001		<0.001	<0.001	<0.001	<0.001
4/9/2019	<0.001	<0.001		<0.001				
10/1/2019	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3/26/2020			<0.001					
3/27/2020							<0.001	<0.001
3/30/2020						<0.001		
3/31/2020	<0.001	<0.001		<0.001	<0.001			
9/23/2020		<0.001	<0.001					
9/24/2020	<0.001					<0.001	<0.001	<0.001
9/25/2020				<0.001	<0.001			



# Time Series

Constituent: T Total Dissolved Solids (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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			

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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 10/30/2020 8:22 AM View: Descriptive

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	

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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: Vanadium (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive  
 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				<0.01		0.0015 (J)		<0.01
4/22/2015					<0.01		<0.01	
4/23/2015		<0.01	<0.01					
9/29/2015				<0.01	<0.01	<0.01	<0.01	<0.01
9/30/2015	0.001 (J)	<0.01	<0.01					
3/23/2016		<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/24/2016	<0.01							
9/7/2016				<0.01	<0.01	<0.01		
9/8/2016	<0.01	<0.01	<0.01				<0.01	<0.01
3/23/2017				<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		
10/5/2017	<0.01	<0.01	<0.01				<0.01	<0.01
3/14/2018							<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	
10/5/2018			<0.01					<0.01
4/8/2019			0.00017 (J)		<0.01	<0.01	<0.01	<0.01
4/9/2019	<0.01	<0.01		<0.01				
10/1/2019	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
3/26/2020			<0.01					
3/27/2020							<0.01	<0.01
3/30/2020						<0.01		
3/31/2020	<0.01	<0.01		<0.01	<0.01			
9/23/2020		<0.01	<0.01					
9/24/2020	<0.01					<0.01	<0.01	<0.01
9/25/2020				<0.01	<0.01			

# Time Series

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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 10/30/2020 8:22 AM View: Descriptive

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)	

# Time Series

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive

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)	

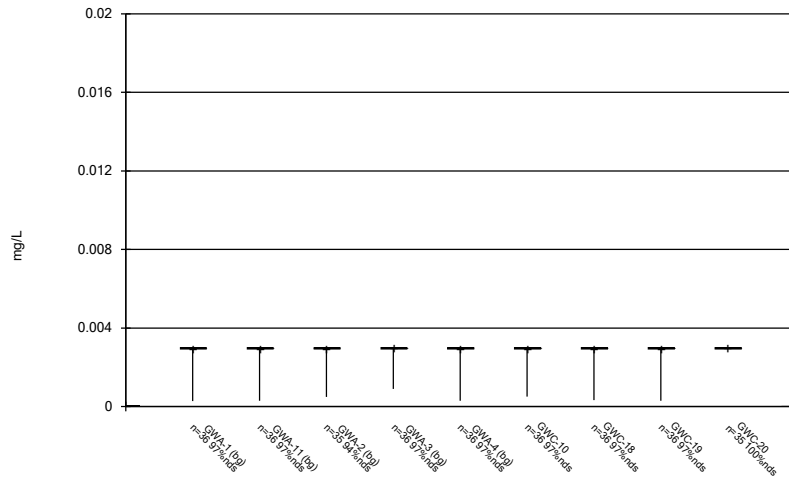
# Time Series

Constituent: Zinc (mg/L) Analysis Run 10/30/2020 8:22 AM View: Descriptive  
 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			

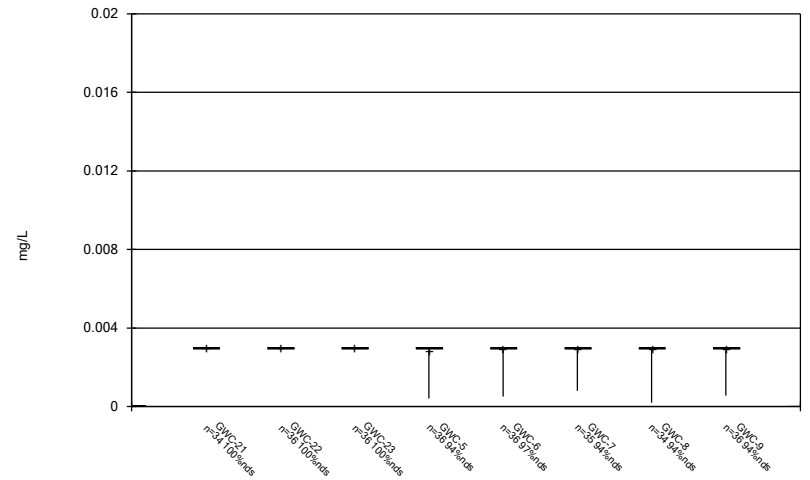
FIGURE B.

Box & Whiskers Plot



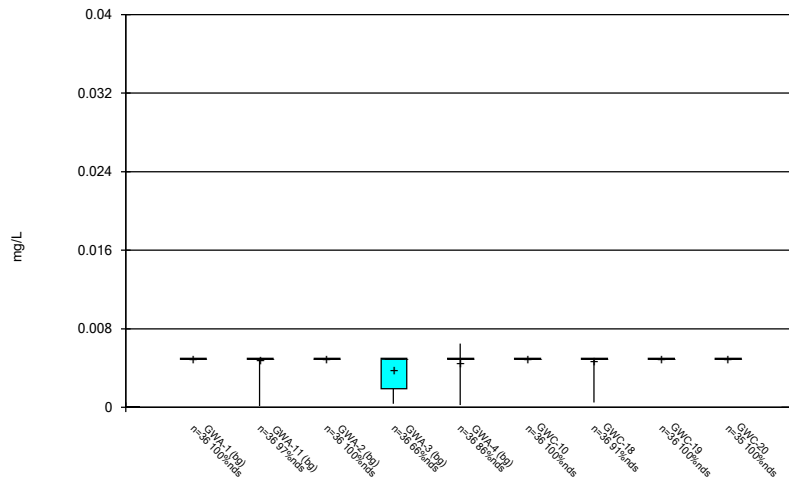
Constituent: Antimony Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



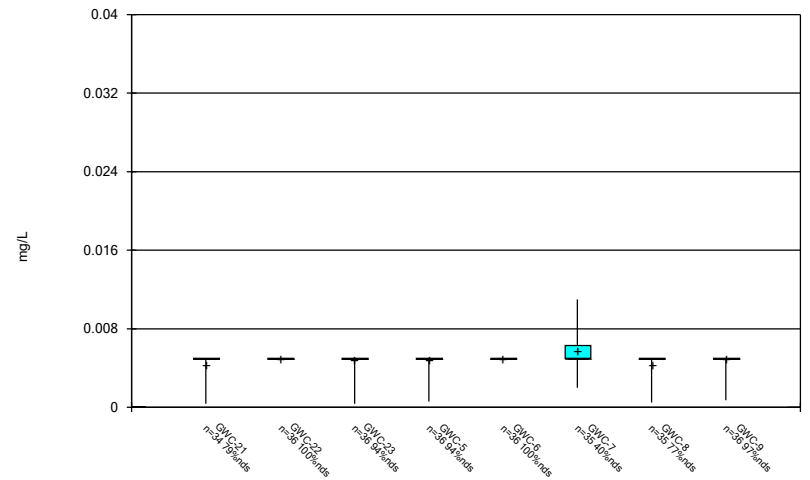
Constituent: Antimony Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



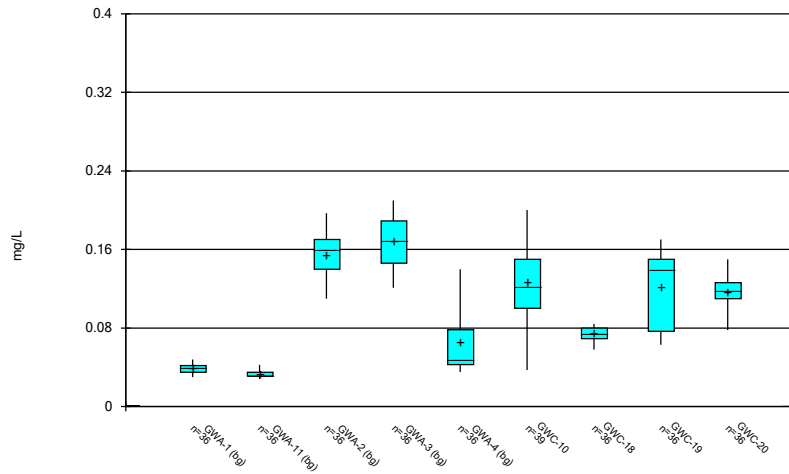
Constituent: Arsenic Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



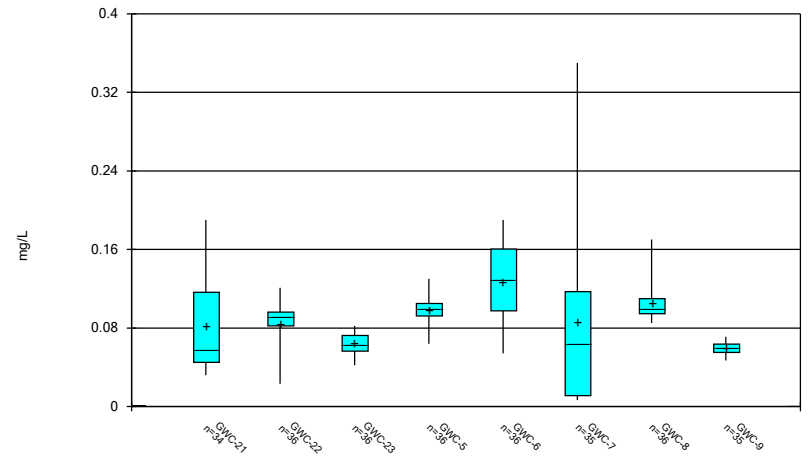
Constituent: Arsenic Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



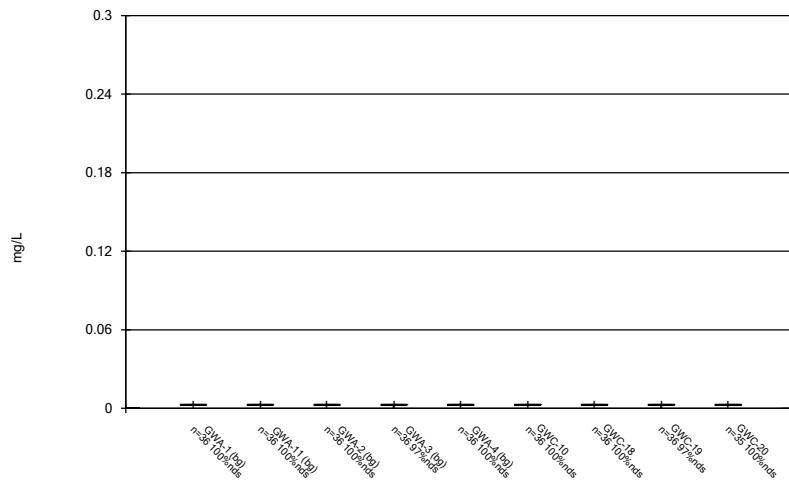
Constituent: Barium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



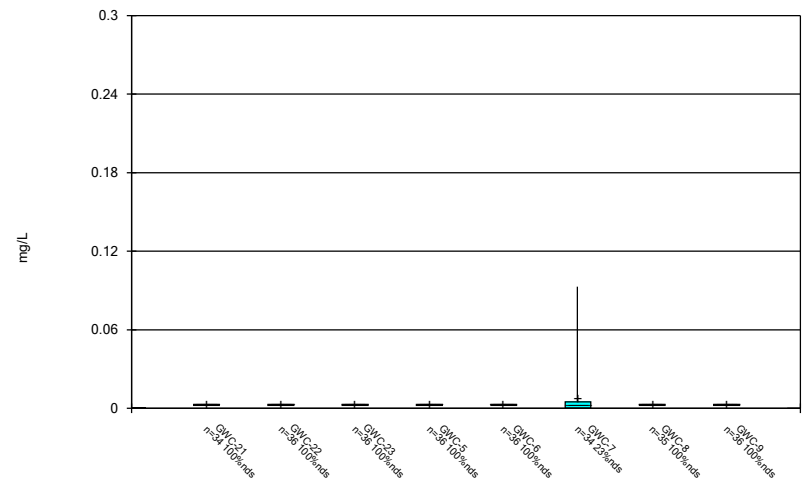
Constituent: Barium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

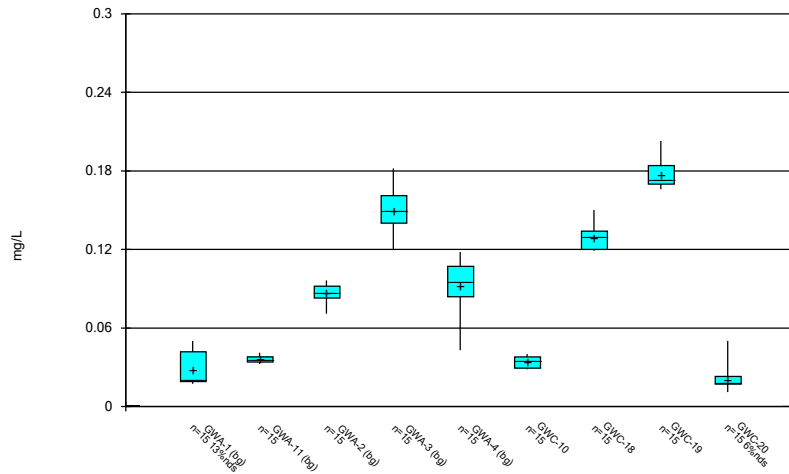
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

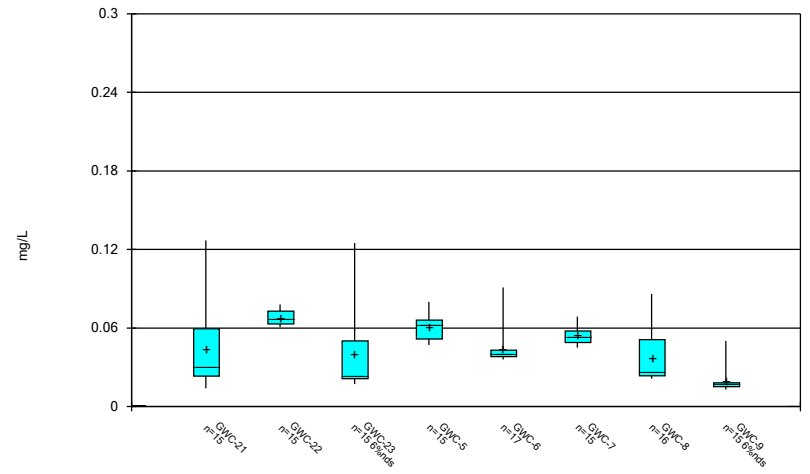


Box & Whiskers Plot



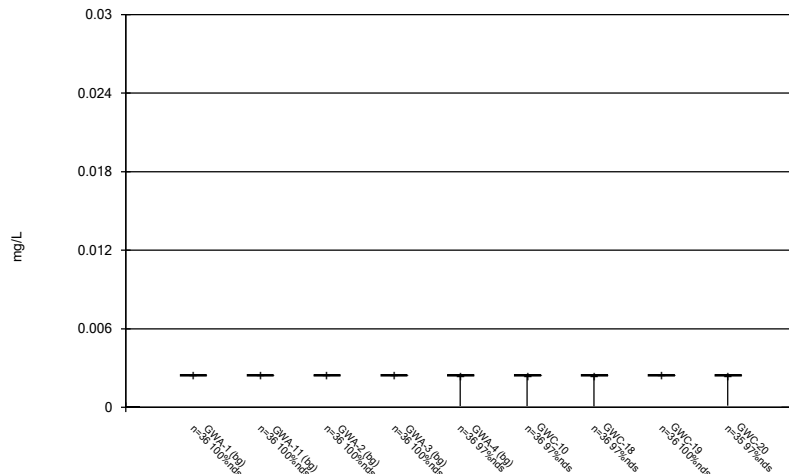
Constituent: Boron Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



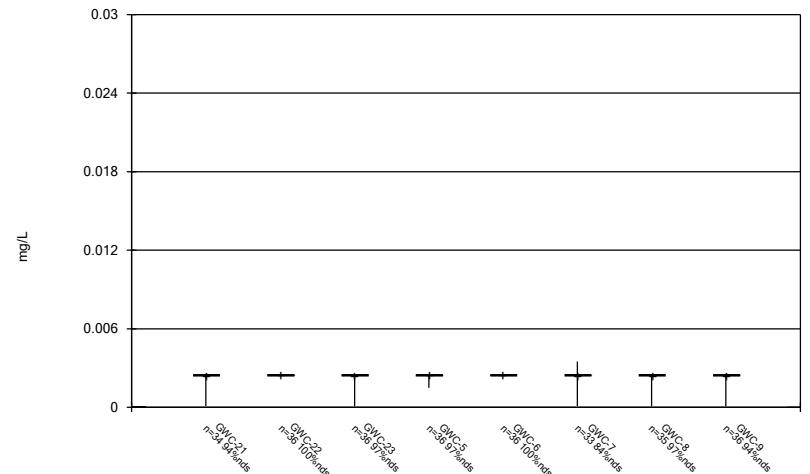
Constituent: Boron Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



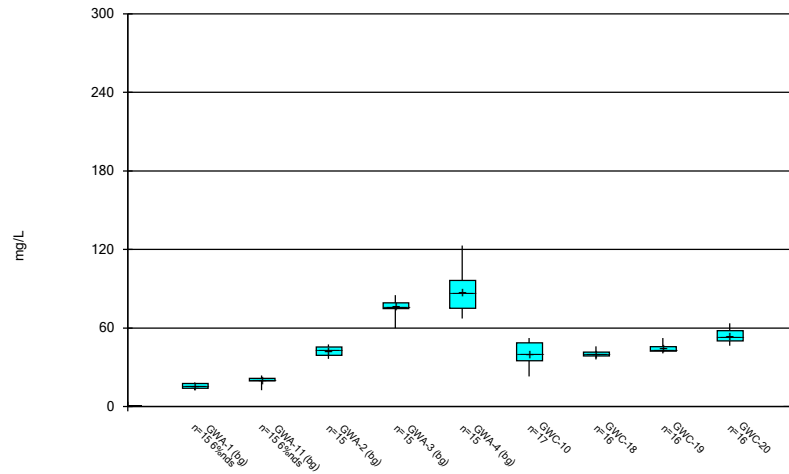
Constituent: Cadmium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



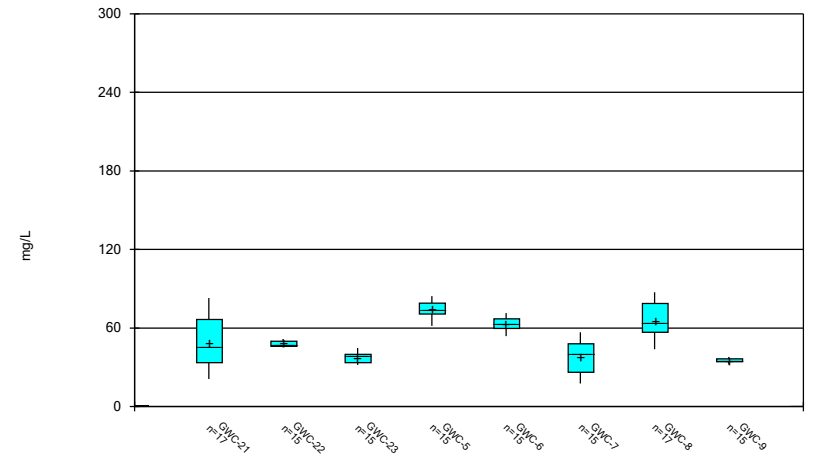
Constituent: Cadmium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



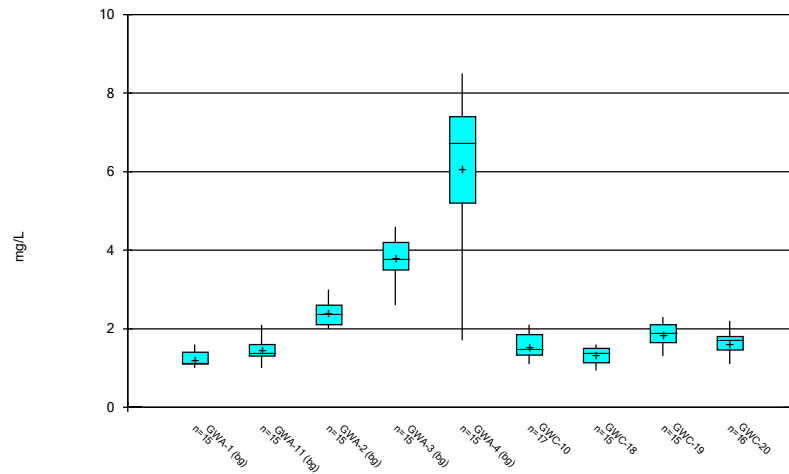
Constituent: Calcium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



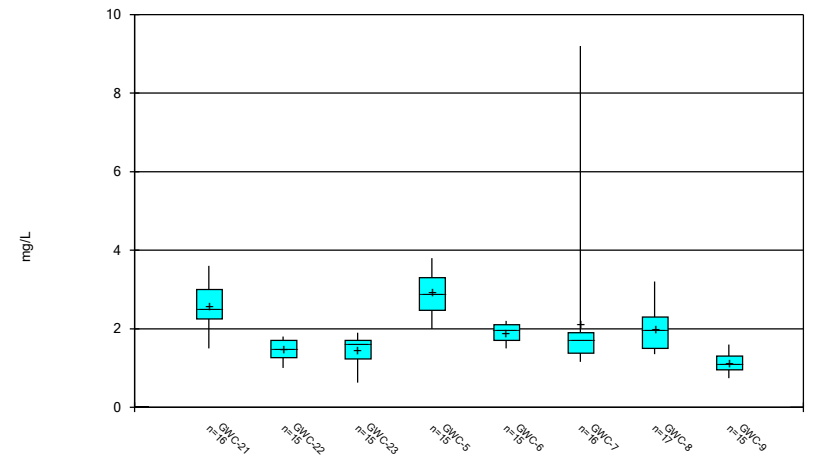
Constituent: Calcium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



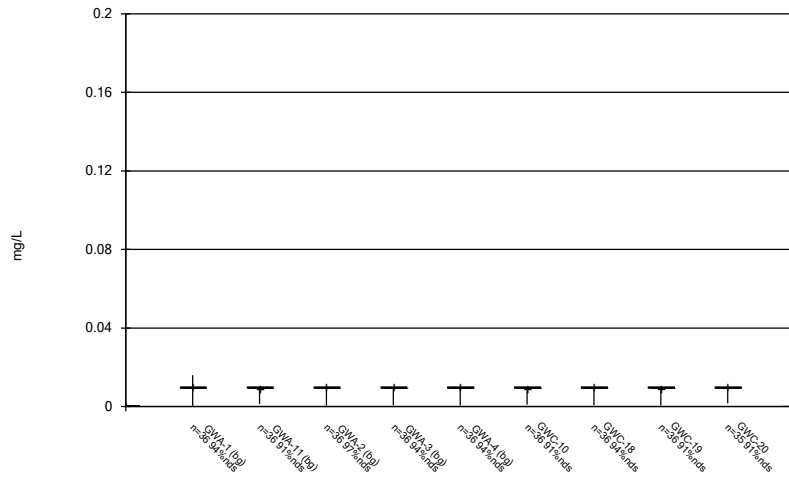
Constituent: Chloride Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



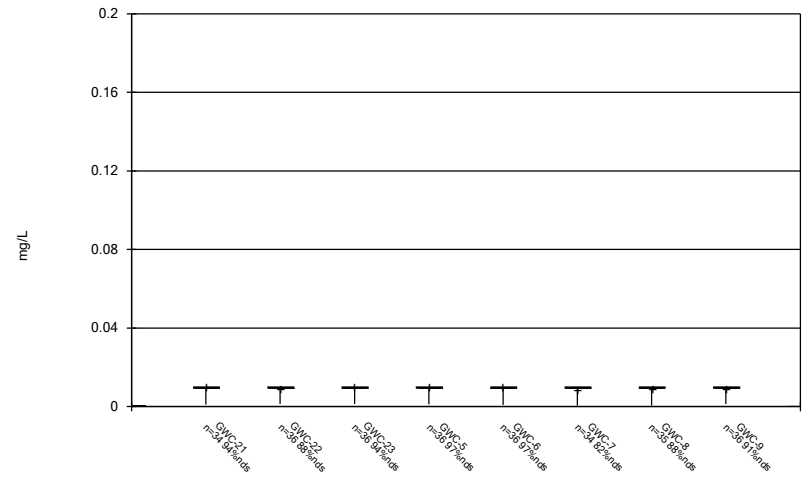
Constituent: Chloride Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



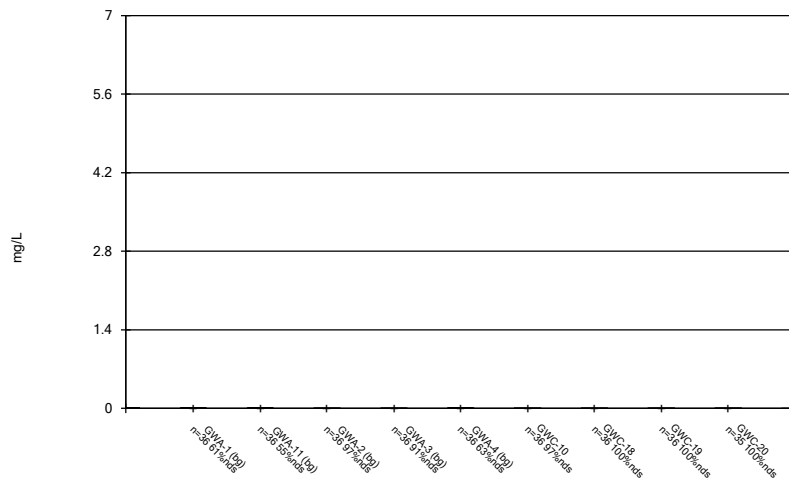
Constituent: Chromium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



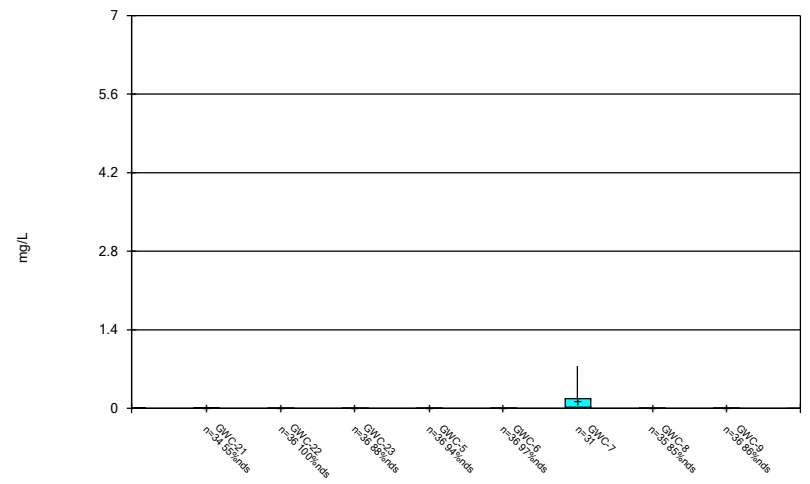
Constituent: Chromium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



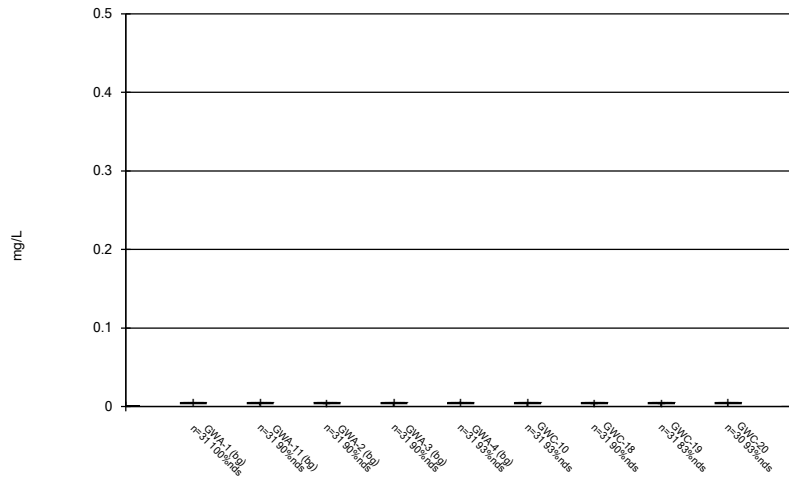
Constituent: Cobalt Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Box & Whiskers Plot



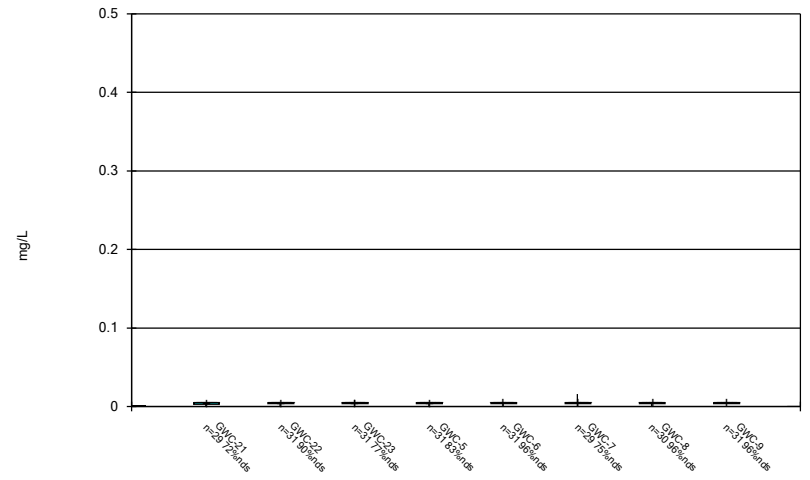
Constituent: Cobalt Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



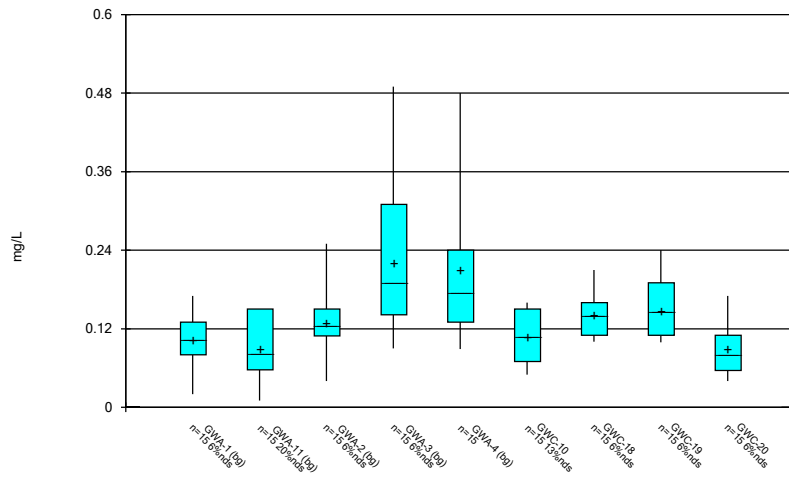
Constituent: Copper Analysis Run 10/30/2020 8:10 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



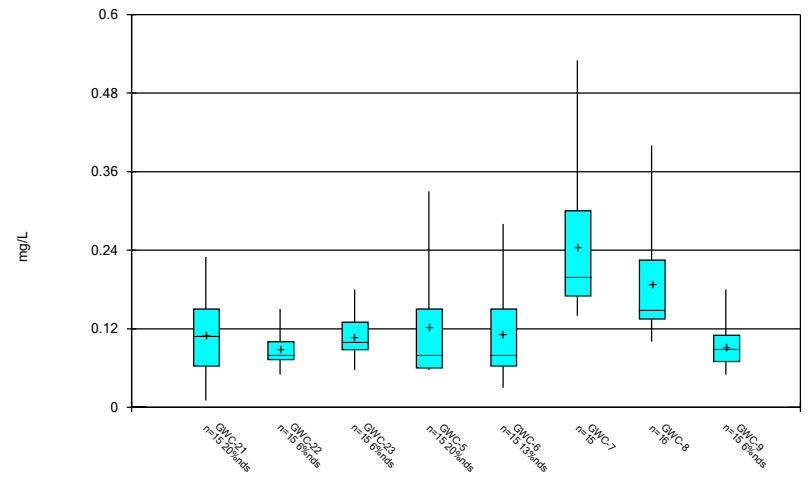
Constituent: Copper Analysis Run 10/30/2020 8:10 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



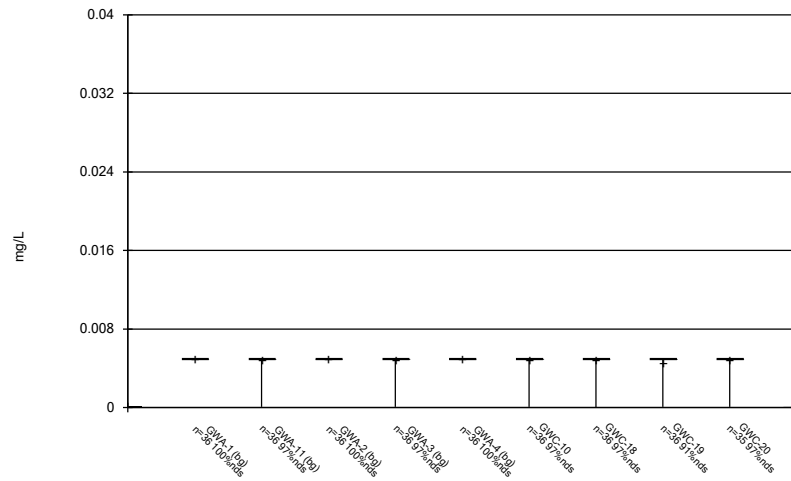
Constituent: Fluoride Analysis Run 10/30/2020 8:10 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



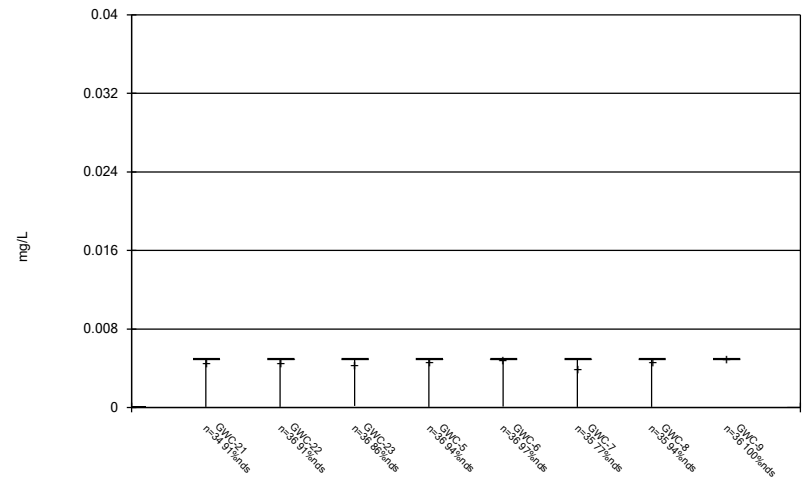
Constituent: Fluoride Analysis Run 10/30/2020 8:10 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



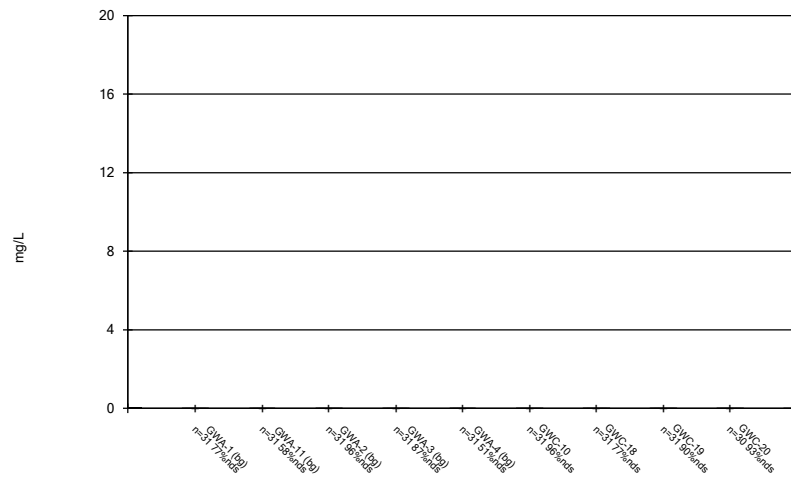
Constituent: Lead Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



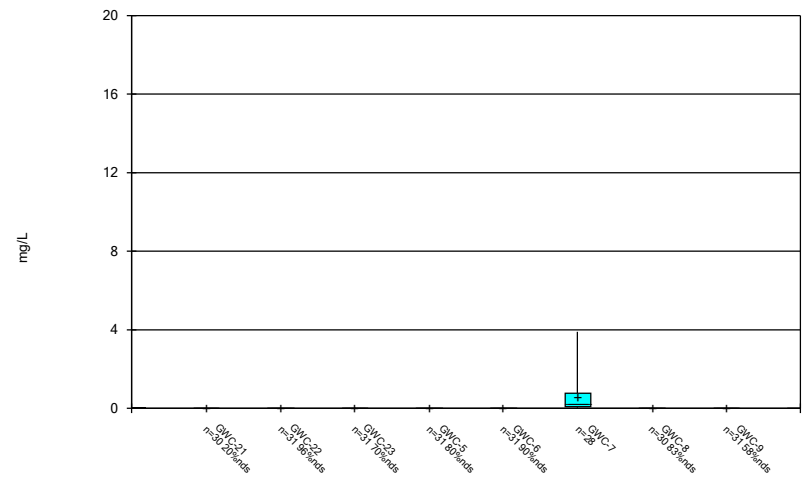
Constituent: Lead Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



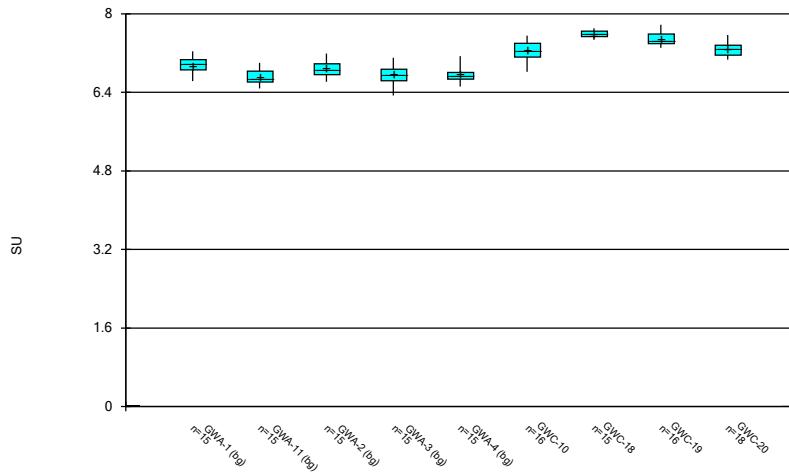
Constituent: Nickel Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



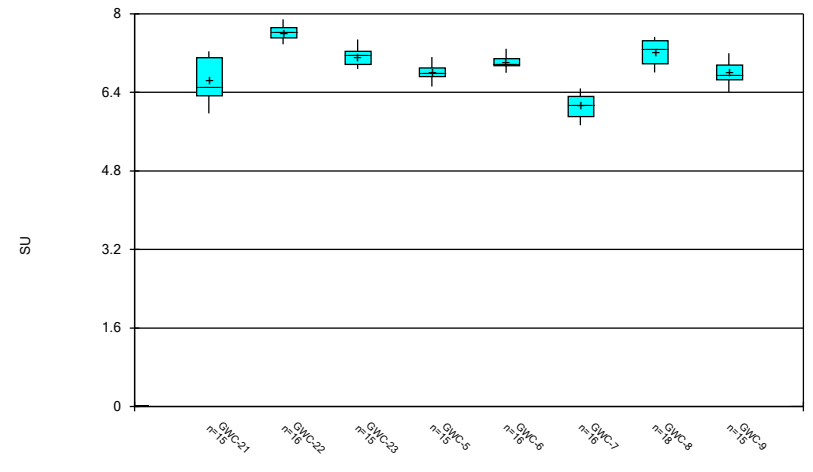
Constituent: Nickel Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



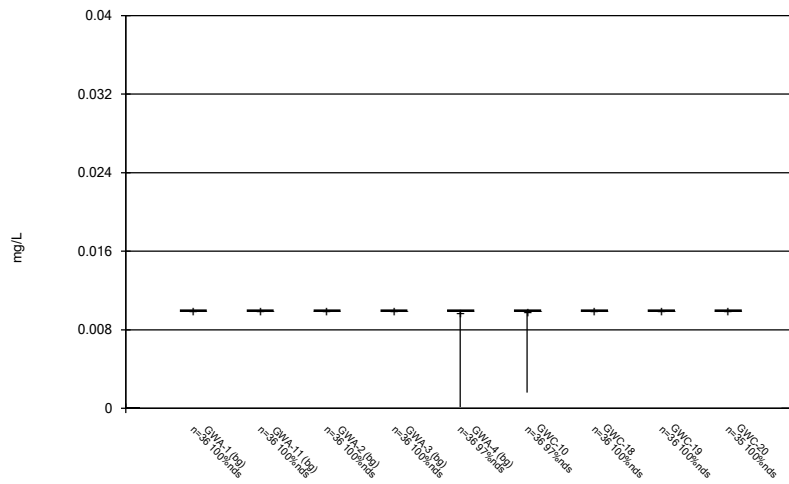
Constituent: pH Analysis Run 10/30/2020 8:10 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



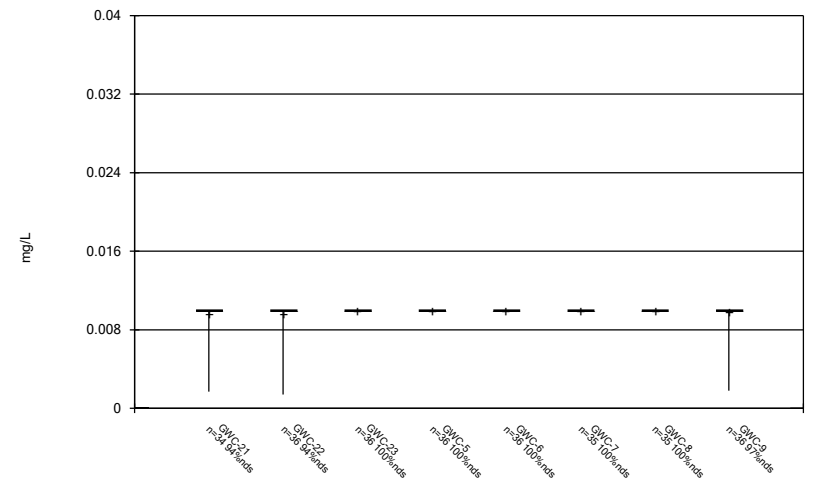
Constituent: pH Analysis Run 10/30/2020 8:10 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



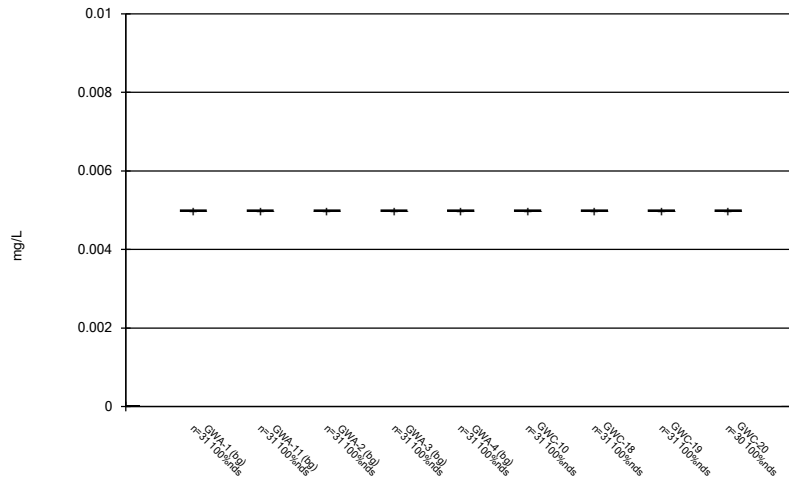
Constituent: Selenium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



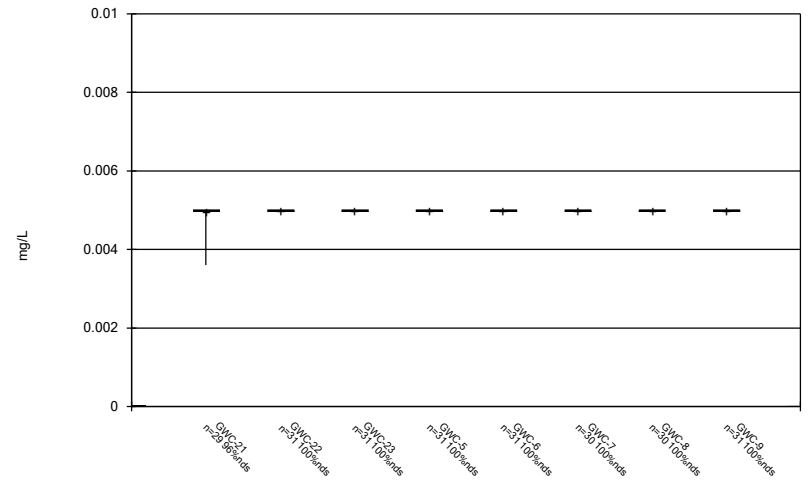
Constituent: Selenium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



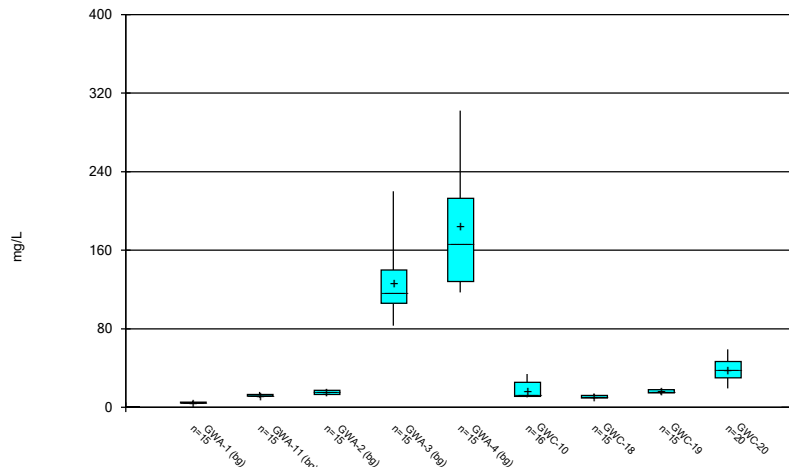
Constituent: Silver Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



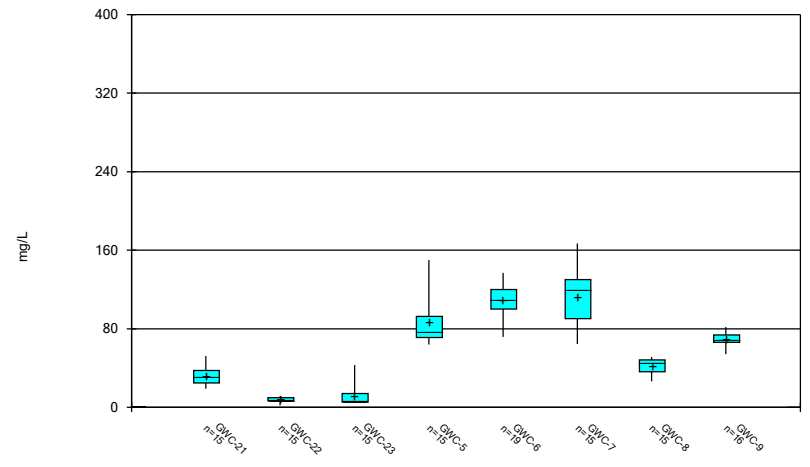
Constituent: Silver Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



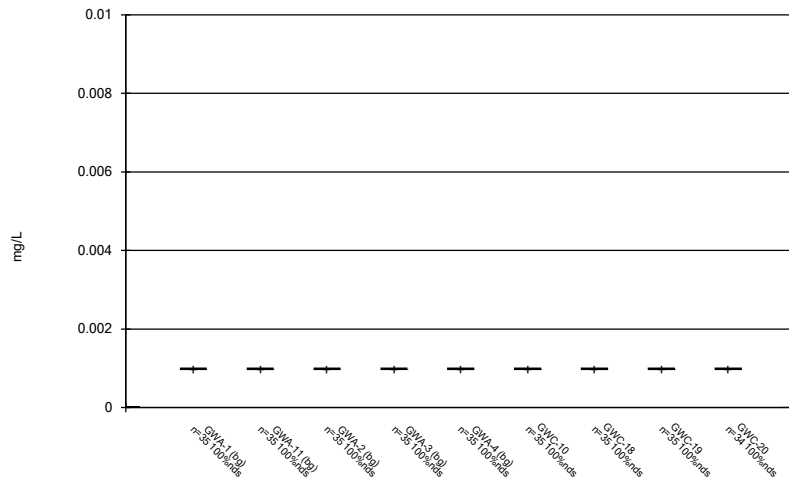
Constituent: Sulfate Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



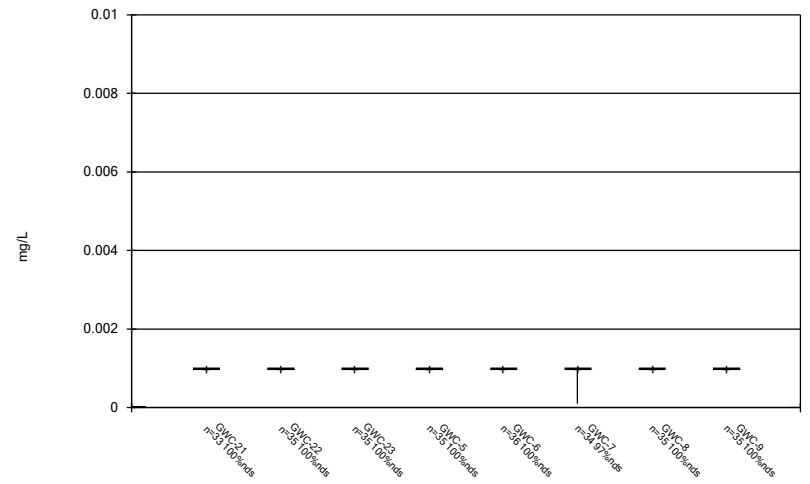
Constituent: Sulfate Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



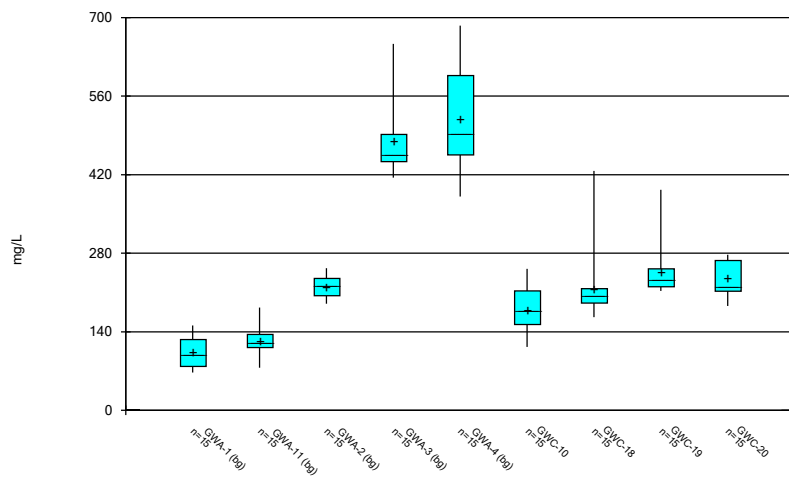
Constituent: Thallium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



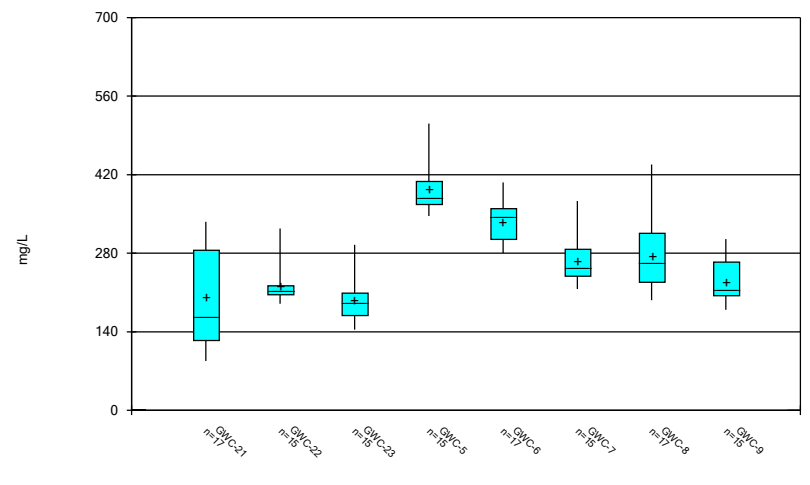
Constituent: Thallium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

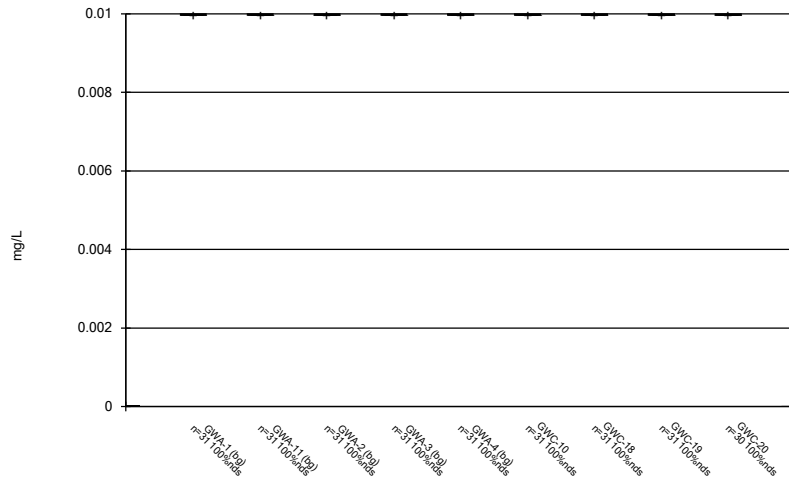
Box & Whiskers Plot



Constituent: Total Dissolved Solids Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

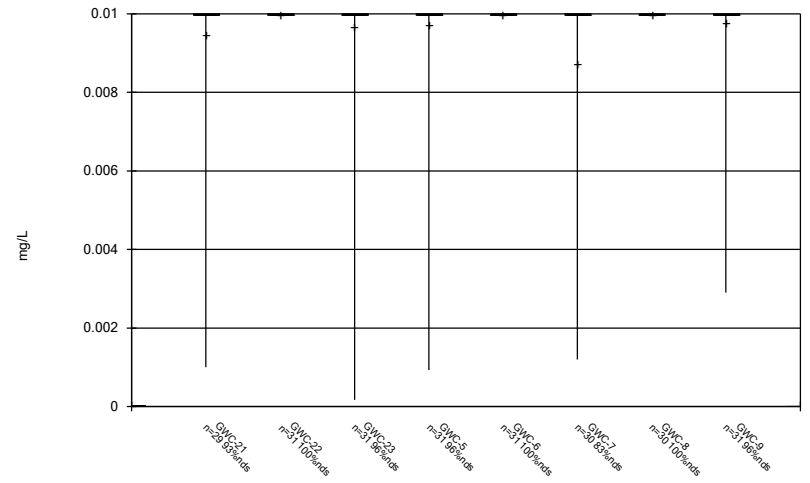


Box & Whiskers Plot



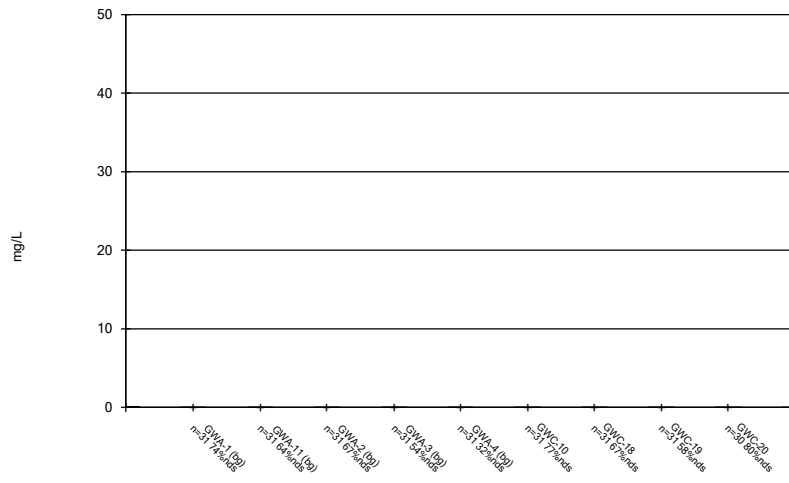
Constituent: Vanadium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



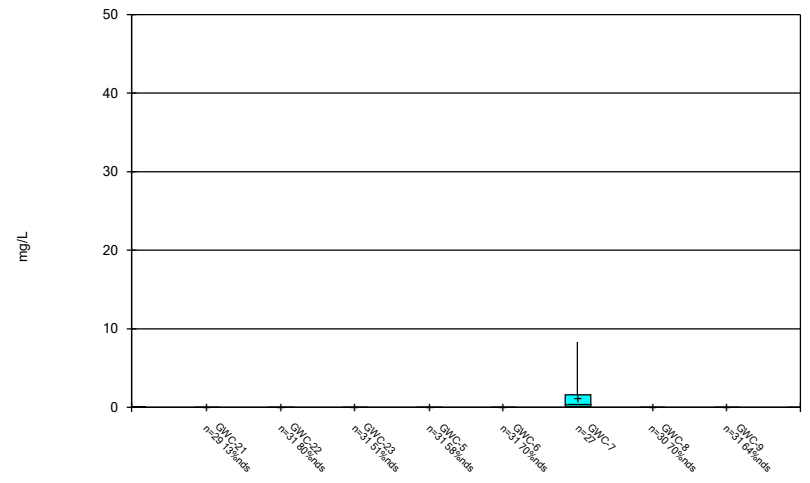
Constituent: Vanadium Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



Constituent: Zinc Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Box & Whiskers Plot



Constituent: Zinc Analysis Run 10/30/2020 8:10 AM View: Descriptive  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

FIGURE C.

# Outlier Summary

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/28/2020, 3:28 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 Limit Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 11/7/2020, 4:07 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	9/24/2020	0.14	Yes	31	0.316	0.01439	0	None	sqrt(x)	0.0002926	Param Intra 1 of 2	

# State Intrawell Prediction Limit Summary - All Results

Plant Hammond    Client: Southern Company    Data: Huffaker Road Landfill    Printed 11/7/2020, 4:07 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	9/23/2020	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	9/22/2020	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	9/21/2020	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	9/23/2020	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	9/23/2020	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	9/25/2020	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	9/24/2020	0.00033J	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	9/28/2020	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	9/25/2020	0.00052J	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	9/25/2020	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	9/24/2020	0.0008J	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	9/24/2020	0.0019J	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	9/24/2020	0.00056J	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	9/22/2020	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	9/23/2020	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	9/23/2020	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	9/24/2020	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	9/24/2020	0.0011J	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	9/23/2020	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	9/25/2020	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	9/24/2020	0.0064	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	9/24/2020	0.0043J	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	9/24/2020	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	9/23/2020	0.041	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	9/22/2020	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	9/21/2020	0.18	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	9/23/2020	0.14	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	9/23/2020	0.043	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	9/25/2020	0.11	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	9/24/2020	0.079	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	9/28/2020	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	9/23/2020	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	9/24/2020	0.19	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	9/23/2020	0.1	No	23	n/a	n/a	0	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-23	0.08464	n/a	9/23/2020	0.079	No	32	0.06272	0.009212	0	None	No	0.0002926	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.1274	n/a	9/25/2020	0.074	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	9/25/2020	0.16	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	9/24/2020	0.11	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>9/24/2020</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	9/24/2020	0.06	No	20	0.06193	0.00445	0	None	No	0.0002926	Param Intra 1 of 2
Beryllium (mg/L)	GWA-3	0.003	n/a	9/23/2020	0.003ND	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	0.003	n/a	9/28/2020	0.0001J	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-7	0.137	n/a	9/24/2020	0.00005J	No	30	-6.771	1.993	23.33	Kaplan-Meier	ln(x)	0.0002926	Param Intra 1 of 2
Cadmium (mg/L)	GWA-4	0.0025	n/a	9/23/2020	0.0025ND	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	0.0025	n/a	9/25/2020	0.0025ND	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	0.0025	n/a	9/24/2020	0.0025ND	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	0.0025	n/a	9/23/2020	0.0025ND	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	0.0025	n/a	9/24/2020	0.0025ND	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	0.0025	n/a	9/23/2020	0.0025ND	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	0.0025	n/a	9/25/2020	0.0025ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2

# State Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 11/7/2020, 4:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/L)	GWC-7	0.0035	n/a	9/24/2020	0.0025ND	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	0.0025	n/a	9/24/2020	0.0025ND	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	0.0025	n/a	9/24/2020	0.0025ND	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	9/23/2020	0.01ND	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	0.01	n/a	9/22/2020	0.01ND	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	0.01	n/a	9/21/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/25/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19	0.01	n/a	9/28/2020	0.00063J	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	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	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	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/25/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.01	n/a	9/25/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-7	0.01	n/a	9/24/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	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	9/23/2020	0.00051J	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	9/22/2020	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	9/21/2020	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	9/23/2020	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	9/23/2020	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	9/25/2020	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	9/24/2020	0.00068J	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	9/23/2020	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	9/25/2020	0.00057J	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	9/25/2020	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	9/24/2020	0.01	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	9/24/2020	0.0011J	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	9/24/2020	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	9/22/2020	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	9/21/2020	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	9/23/2020	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	9/23/2020	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	9/25/2020	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	9/24/2020	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	9/28/2020	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	9/23/2020	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	9/24/2020	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	9/23/2020	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	9/23/2020	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	9/25/2020	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	9/25/2020	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	9/24/2020	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	9/24/2020	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	9/24/2020	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	0.005	n/a	9/22/2020	0.005ND	No	32	n/a	n/a	96.88	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2

# State Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 11/7/2020, 4:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Lead (mg/L)	GWA-3	0.005	n/a	9/23/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.005	n/a	9/25/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.005	n/a	9/24/2020	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-19	0.005	n/a	9/28/2020	0.00014J	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	0.005	n/a	9/23/2020	0.005ND	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	9/24/2020	0.00012J	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	9/23/2020	0.000066J	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	9/23/2020	0.00036J	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	0.005	n/a	9/25/2020	0.005ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-6	0.005	n/a	9/25/2020	0.005ND	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	9/24/2020	0.00006J	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	0.005	n/a	9/24/2020	0.000049J	No	31	n/a	n/a	96.77	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.005	n/a	9/23/2020	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	9/22/2020	0.0014J	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	9/21/2020	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	9/23/2020	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	0.01	n/a	9/23/2020	0.00091J	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	9/25/2020	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	0.01	n/a	9/24/2020	0.0011J	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	9/28/2020	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	9/23/2020	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	9/24/2020	0.0068	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	9/23/2020	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	0.01	n/a	9/23/2020	0.00079J	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	0.01	n/a	9/25/2020	0.00078J	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	9/25/2020	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	9/24/2020	0.042	No	12	0.133	0.06625	0	None	No	0.0002926	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.01	n/a	9/24/2020	0.001J	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	9/24/2020	0.0024J	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	0.01	n/a	9/23/2020	0.01ND	No	32	n/a	n/a	100	n/a	n/a	0.001803	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-10	0.01	n/a	9/25/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	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	0.01	n/a	9/23/2020	0.01ND	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	0.01	n/a	9/24/2020	0.01ND	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	9/24/2020	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	9/24/2020	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	9/24/2020	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	9/23/2020	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	9/25/2020	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	9/24/2020	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	9/24/2020	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	0.02	n/a	9/23/2020	0.0025J	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	9/22/2020	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	9/21/2020	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	9/23/2020	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	9/23/2020	0.0025J	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	9/25/2020	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	9/24/2020	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	0.02	n/a	9/28/2020	0.0033J	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	9/23/2020	0.01ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2



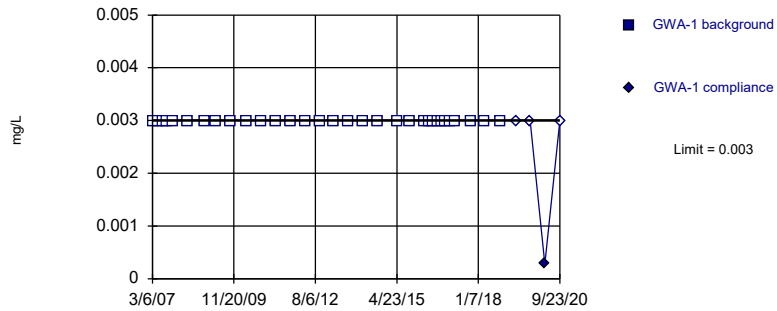
# State Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 11/7/2020, 4:07 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-21	0.02	n/a	9/24/2020	0.0046J	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	9/23/2020	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	0.02	n/a	9/23/2020	0.0022J	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	9/25/2020	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	9/25/2020	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	9/24/2020	0.07	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	9/24/2020	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	9/24/2020	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

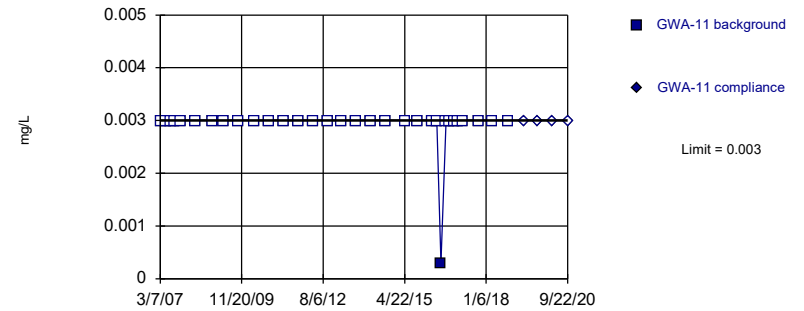


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

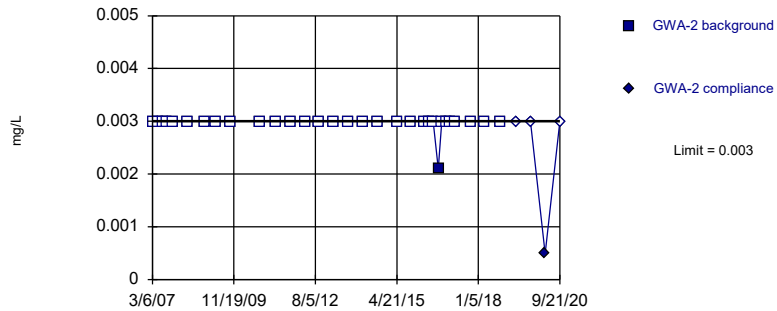


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

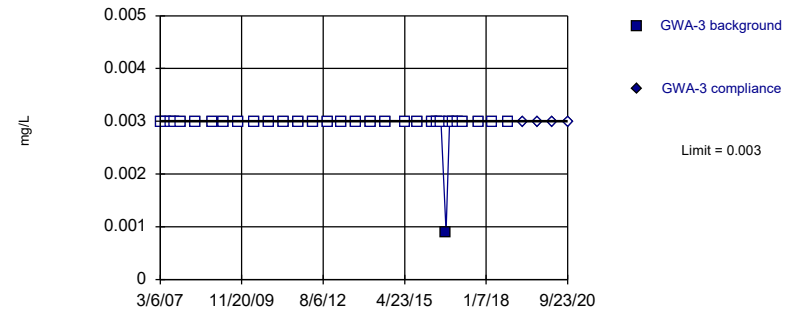


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

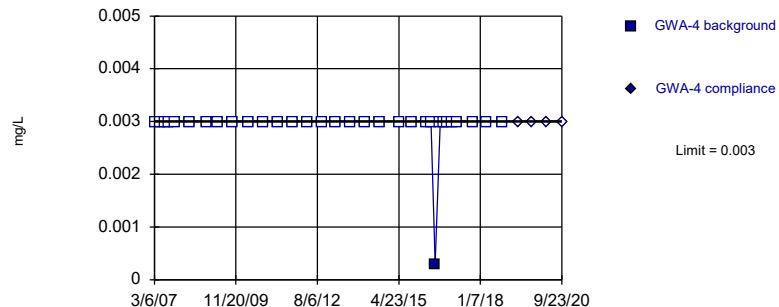


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

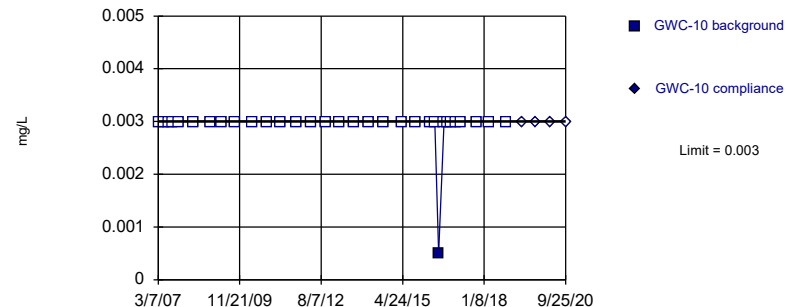


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

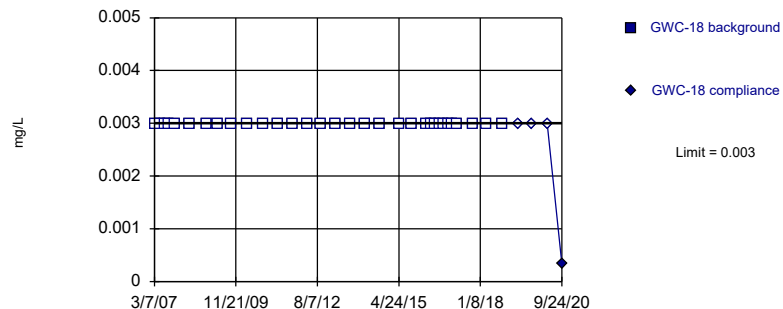


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

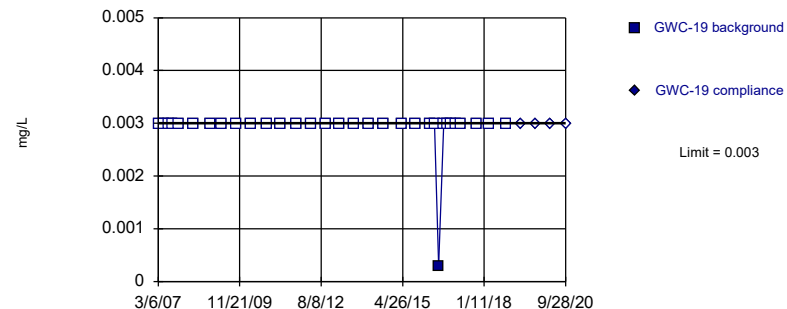


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

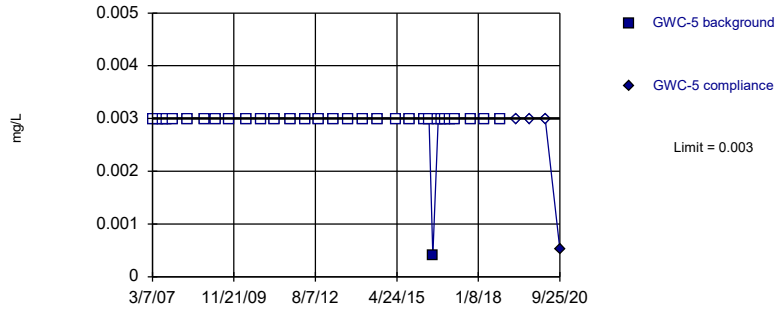


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

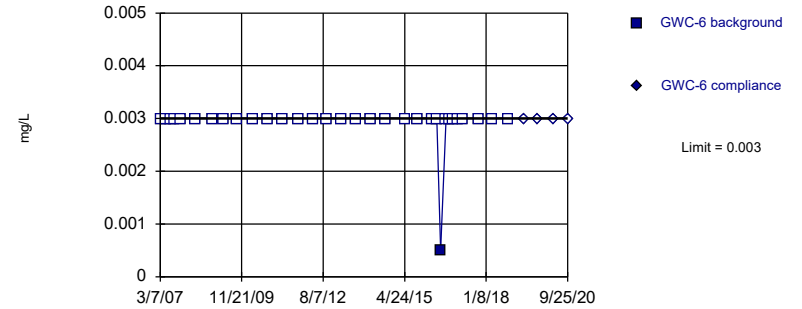


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

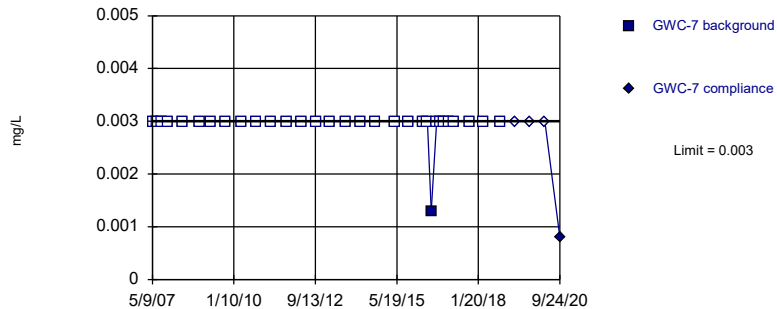


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

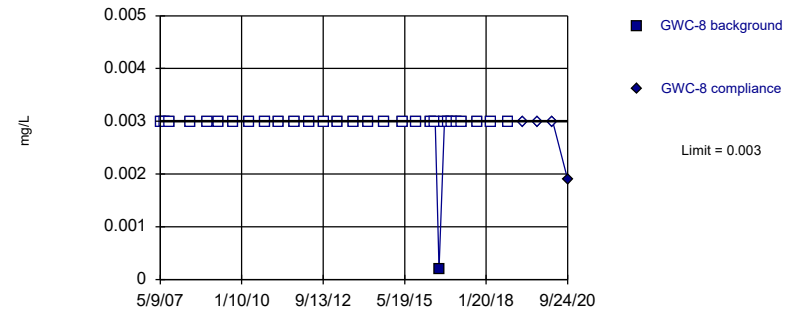


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

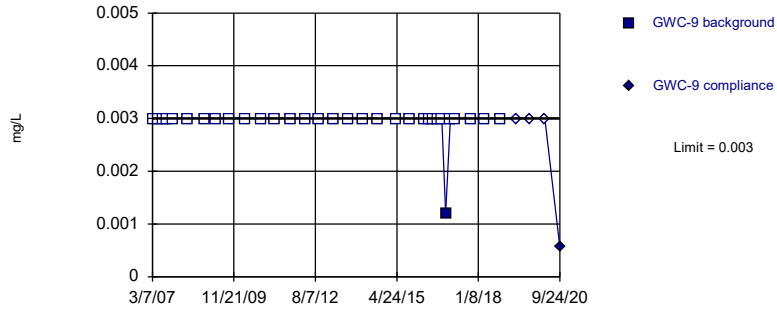


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

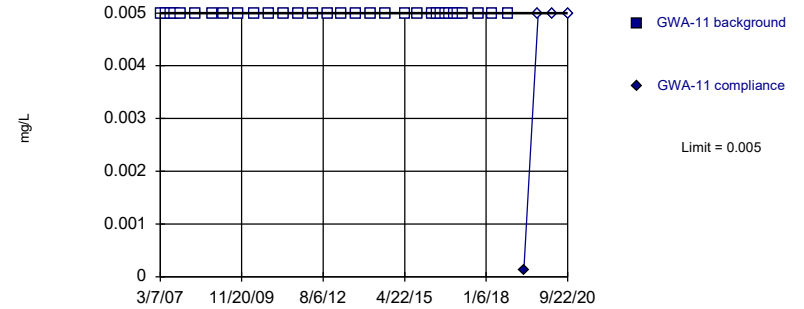


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Antimony Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

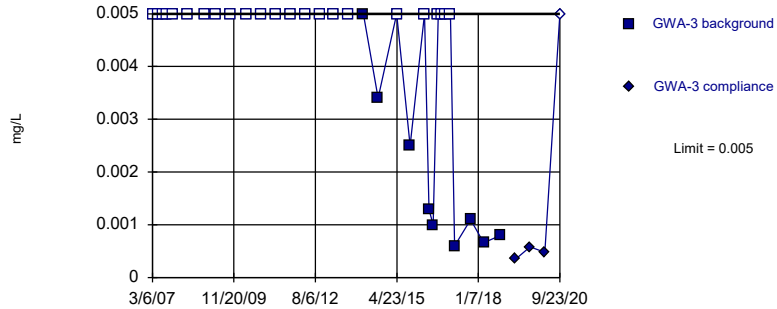


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

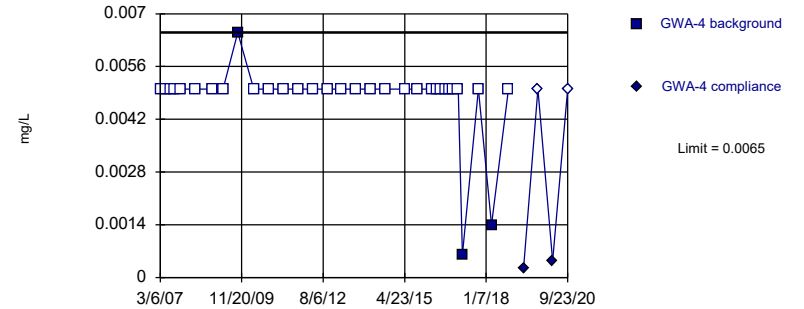


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 71.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

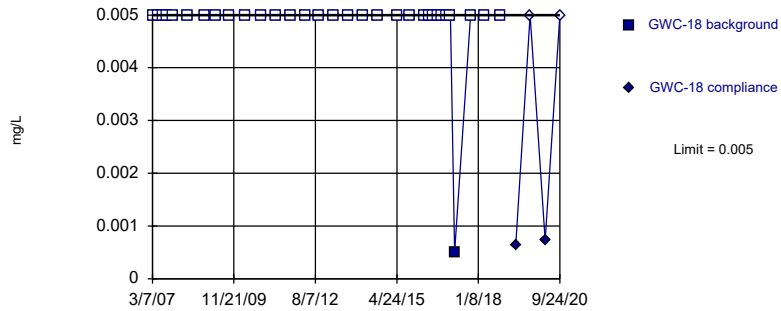


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

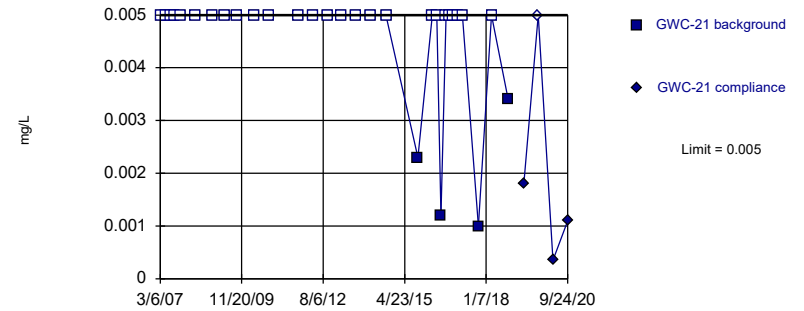


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

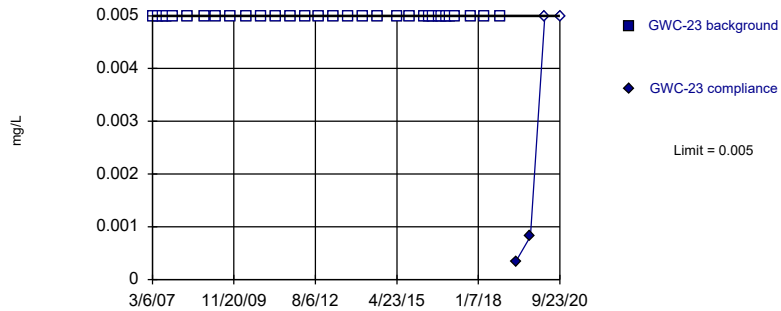


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

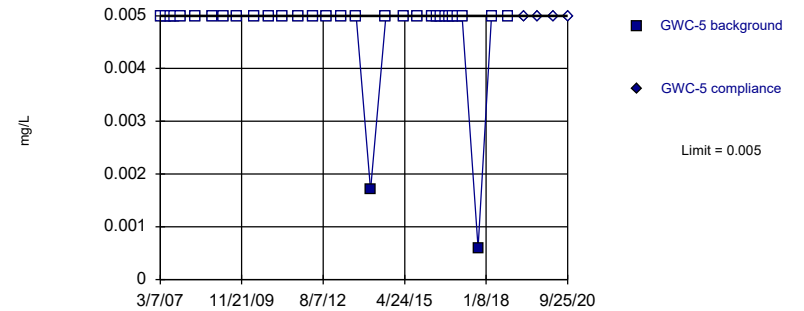


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

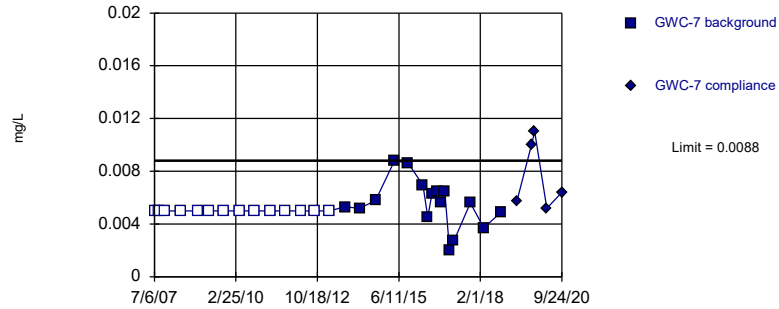


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 11/7/2020 4:02 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

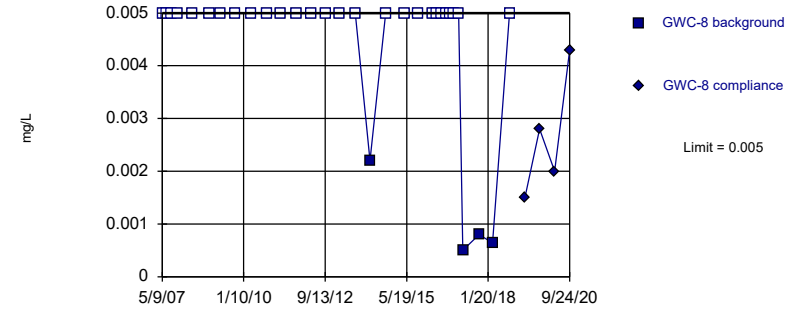


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 11/7/2020 4:02 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

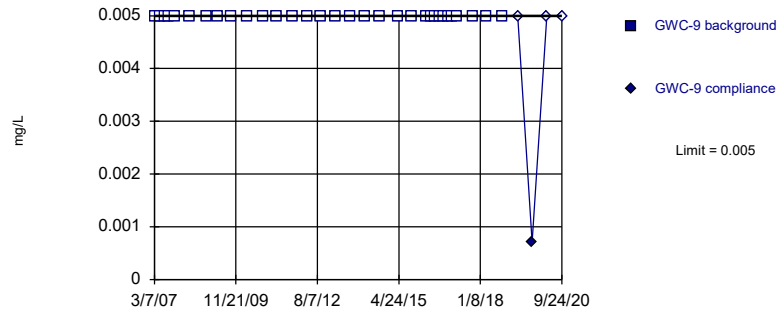


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Arsenic Analysis Run 11/7/2020 4:02 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

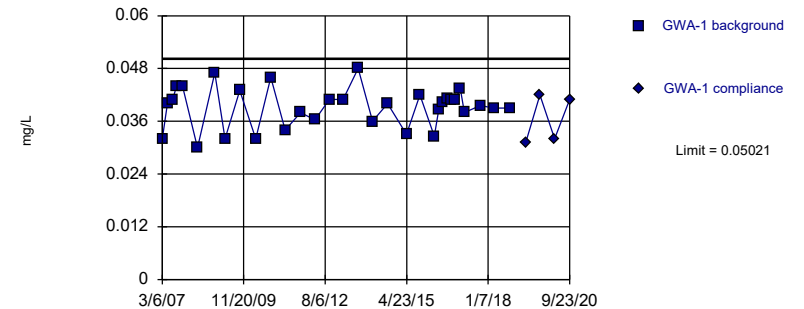


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Arsenic Analysis Run 11/7/2020 4:02 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

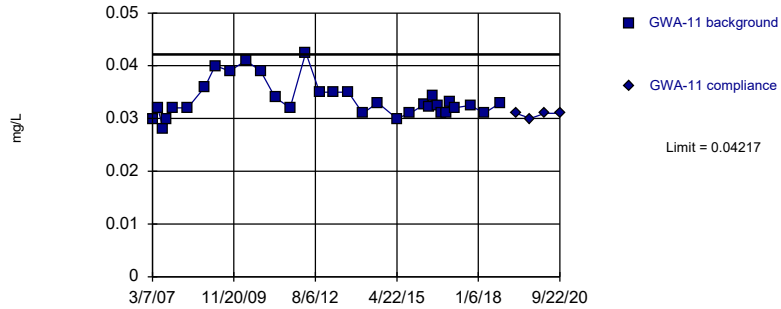


Background Data Summary: Mean=0.03919, Std. Dev.=0.00463, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9563, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 11/7/2020 4:02 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

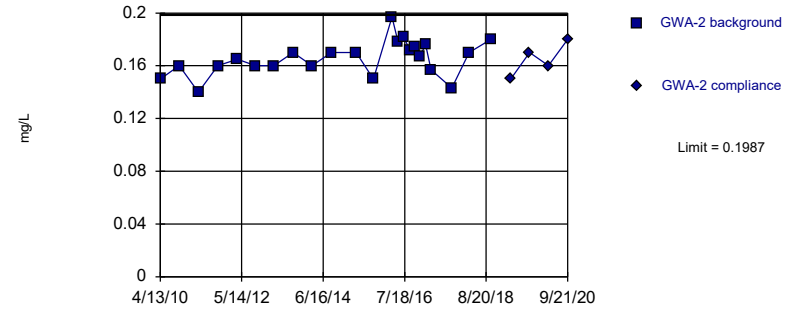


Background Data Summary (based on natural log transformation): Mean=-3.4, Std. Dev.=0.09826, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9108, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

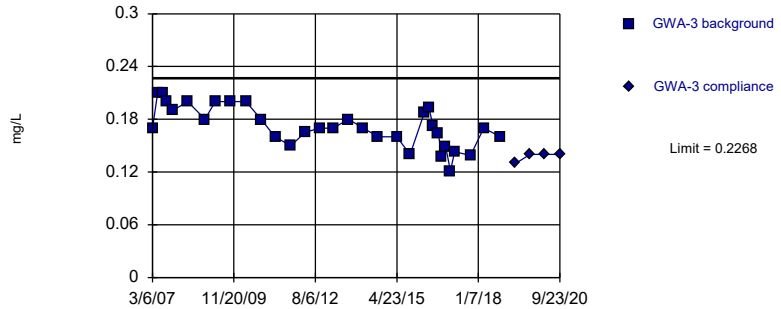


Background Data Summary: Mean=0.1657, Std. Dev.=0.01314, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.881. Kappa = 2.512 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

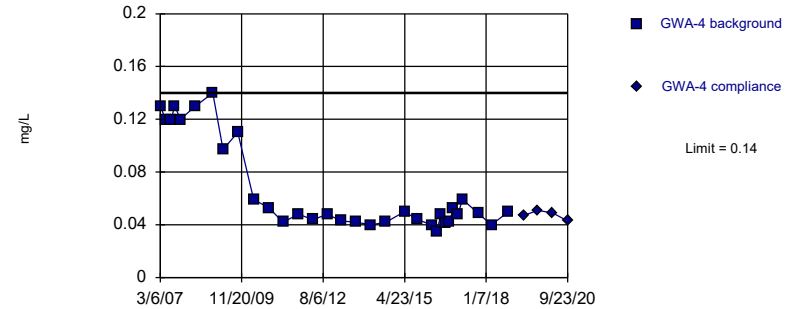


Background Data Summary: Mean=0.1719, Std. Dev.=0.02304, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9617, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

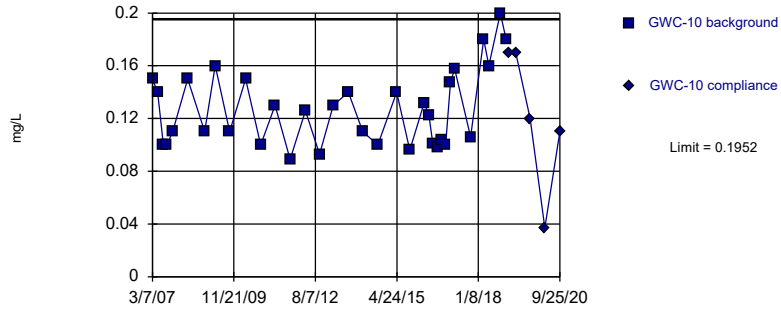


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 32 background values. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Barium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



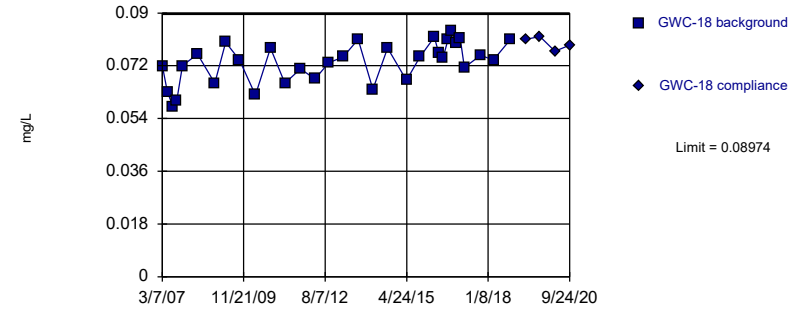
Within Limit Prediction Limit  
Intrawell Parametric



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 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

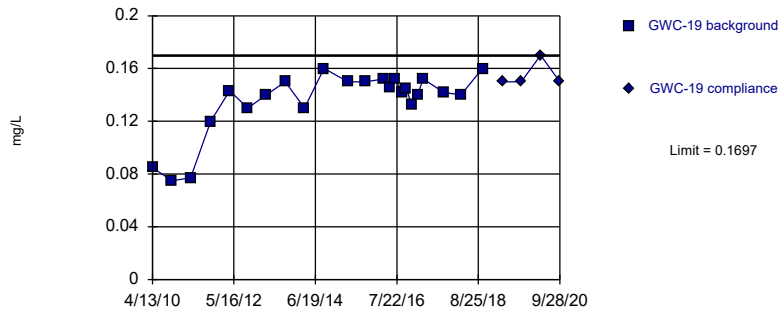
Within Limit Prediction Limit  
Intrawell Parametric



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 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

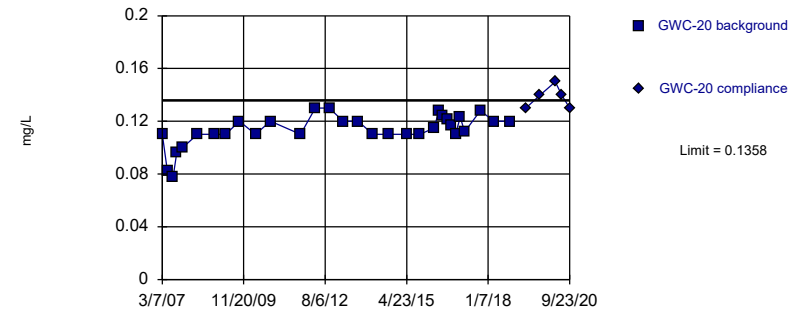
Within Limit Prediction Limit  
Intrawell Parametric



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 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

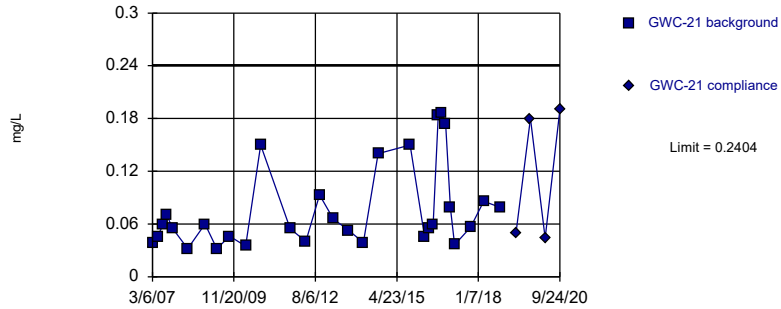
Within Limit Prediction Limit  
Intrawell Parametric



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 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

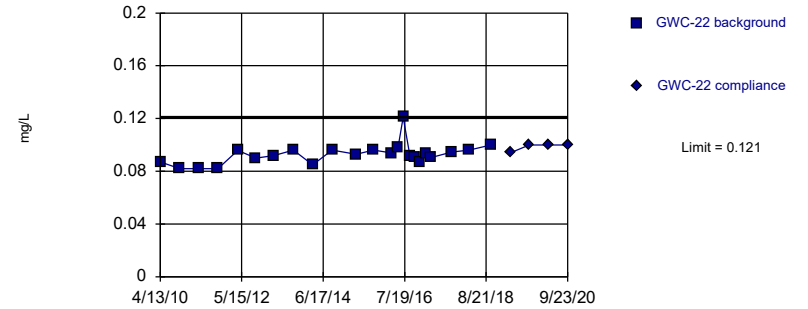
Within Limit Prediction Limit  
Intrawell Parametric



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 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

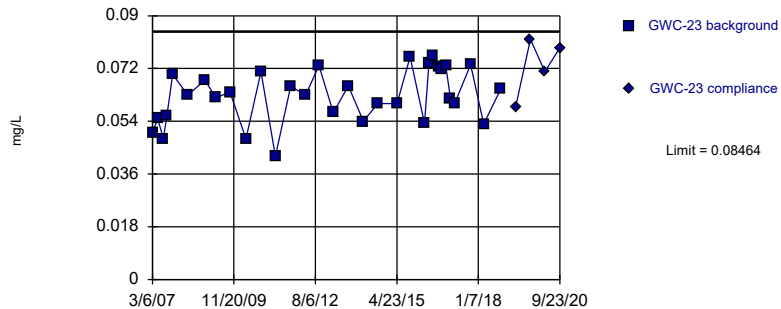
Within Limit Prediction Limit  
Intrawell Non-parametric



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 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

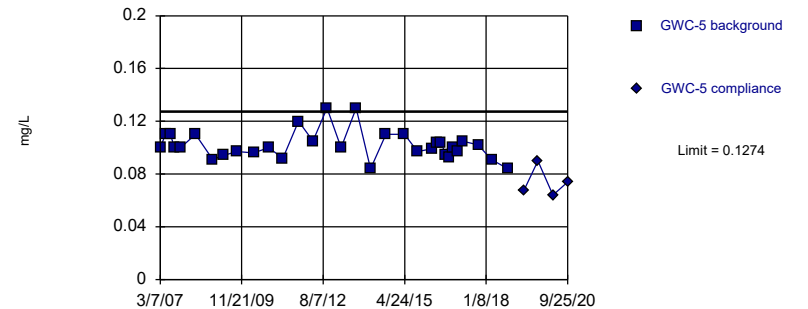
Within Limit Prediction Limit  
Intrawell Parametric



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 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric

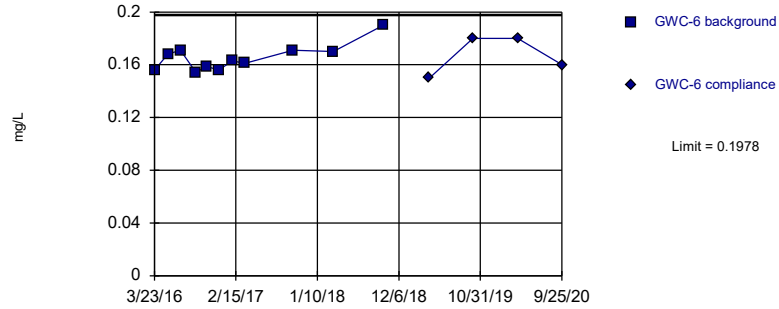


Background Data Summary: Mean=0.1019, Std. Dev.=0.01074, n=32. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9137, critical = 0.904. Kappa = 2.38 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

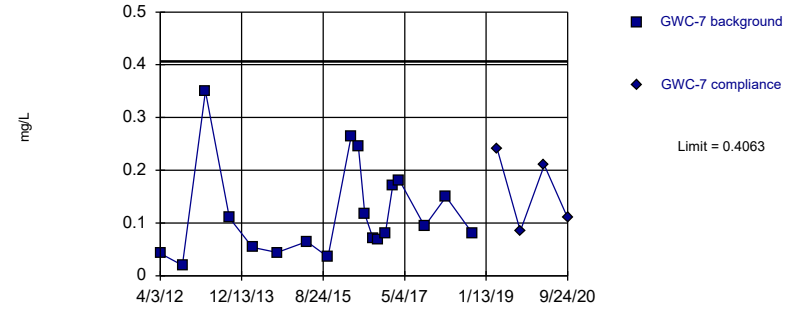


Background Data Summary: Mean=0.1654, Std. Dev.=0.01034, n=11. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8754, critical = 0.792. Kappa = 3.135 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

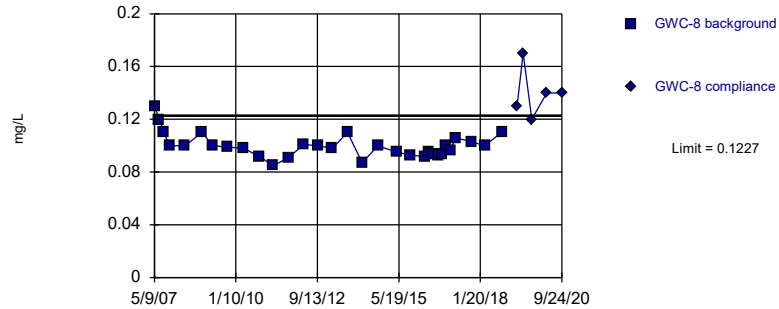


Background Data Summary (based on square root transformation): Mean=0.3226, Std. Dev.=0.1206, n=19. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9476, critical = 0.863. Kappa = 2.611 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Barium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

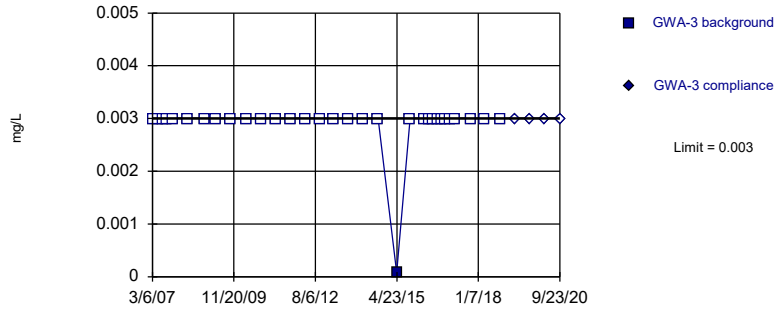
Exceeds Limit

Prediction Limit  
Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Non-parametric

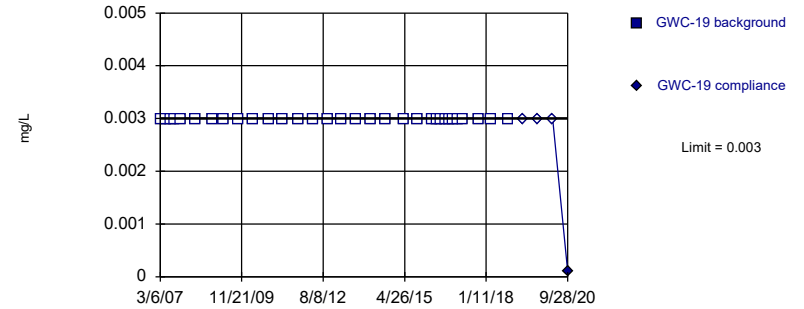


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Beryllium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

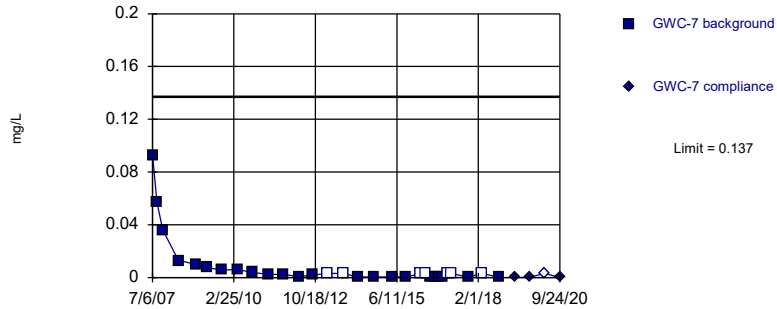


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Beryllium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

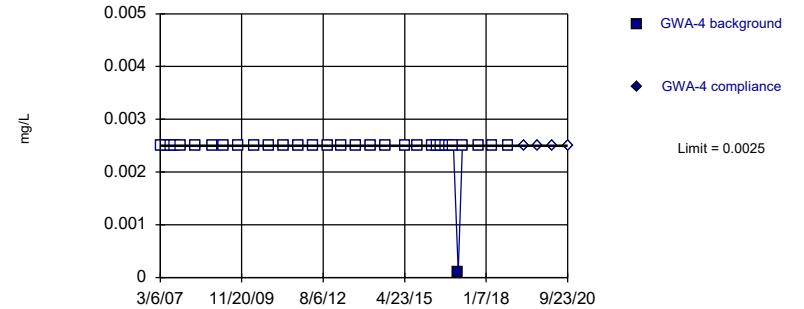


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-6.771, Std. Dev.=1.993, n=30, 23.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9446, critical = 0.9. Kappa = 2.4 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Beryllium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

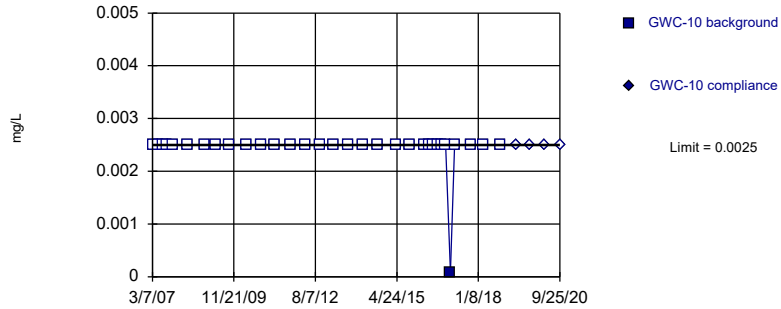


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

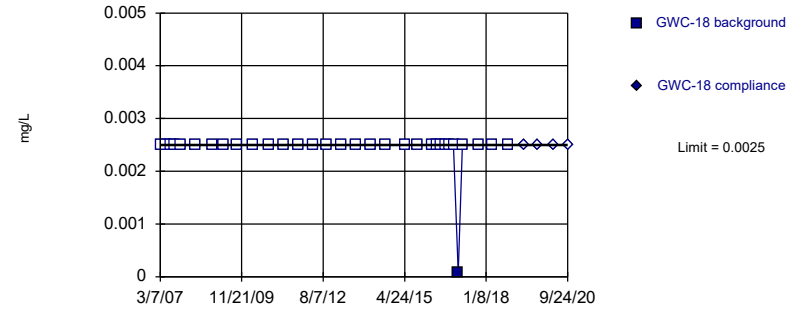


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

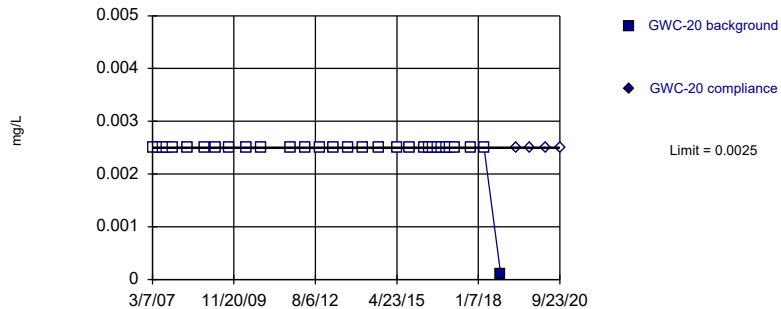


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

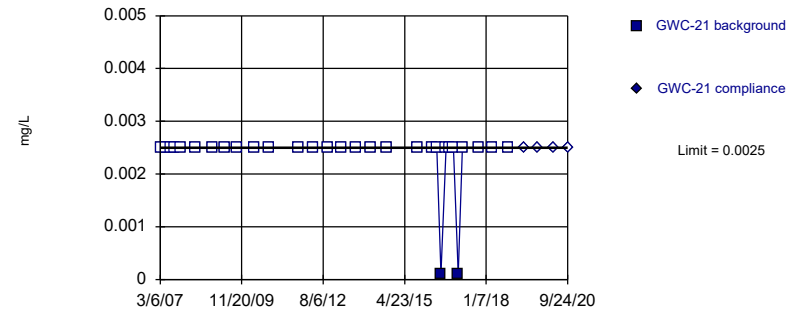


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cadmium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

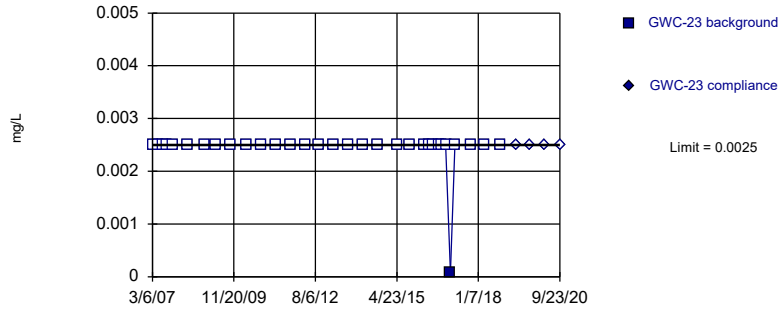


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

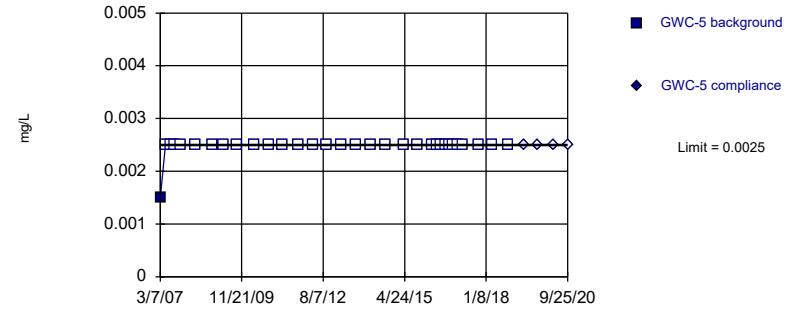


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

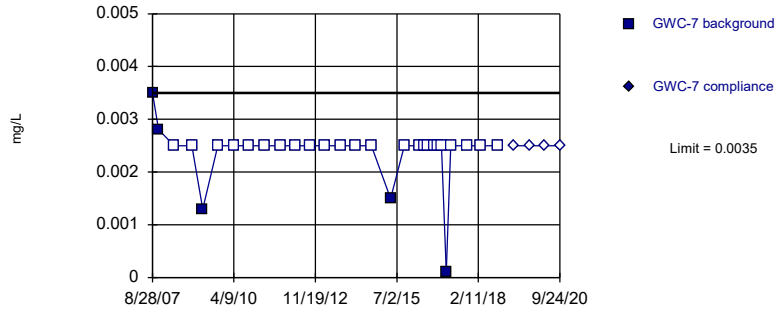


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

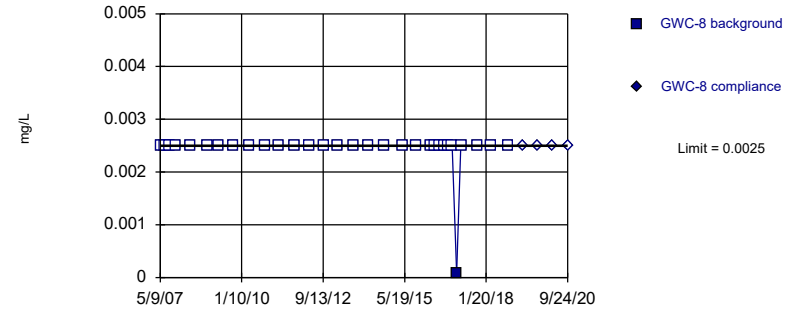


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 82.76% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

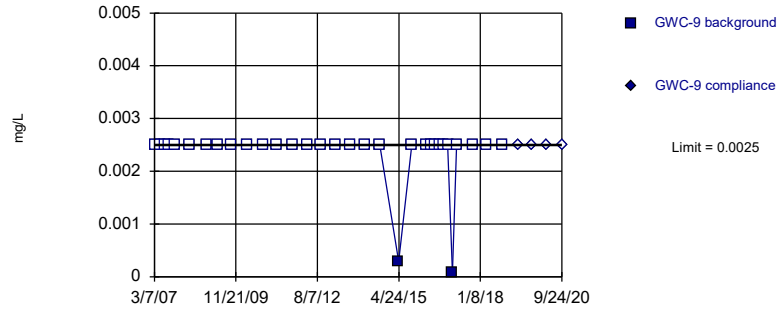


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cadmium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

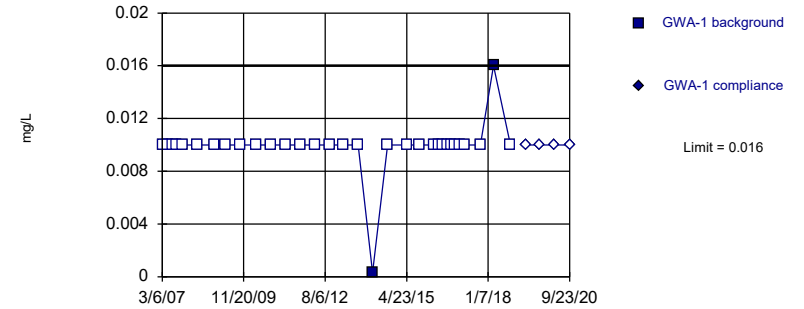


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cadmium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

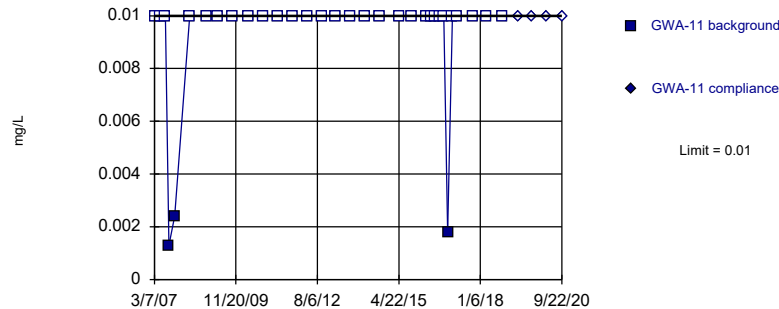


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

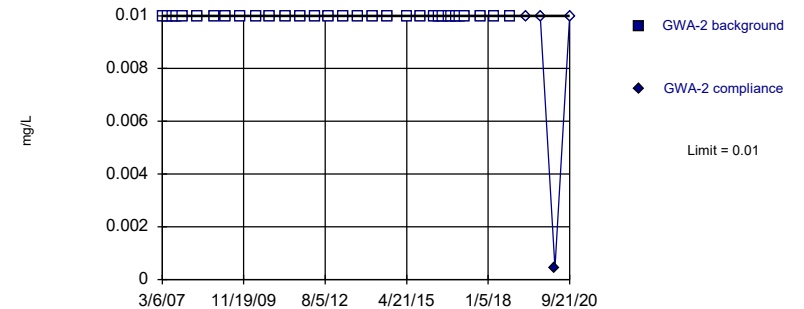


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

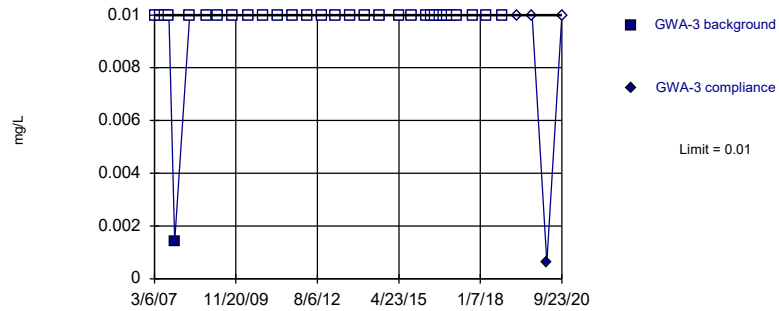


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

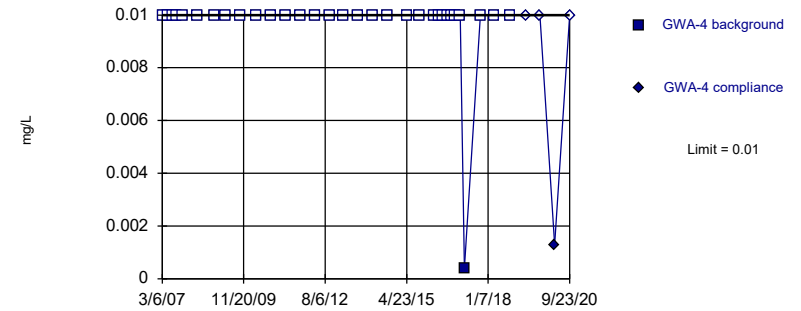


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

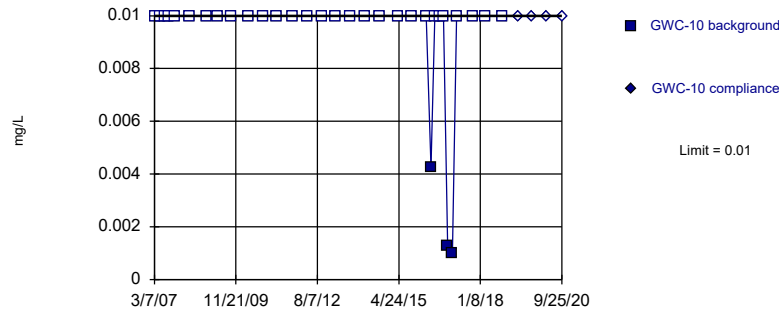


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

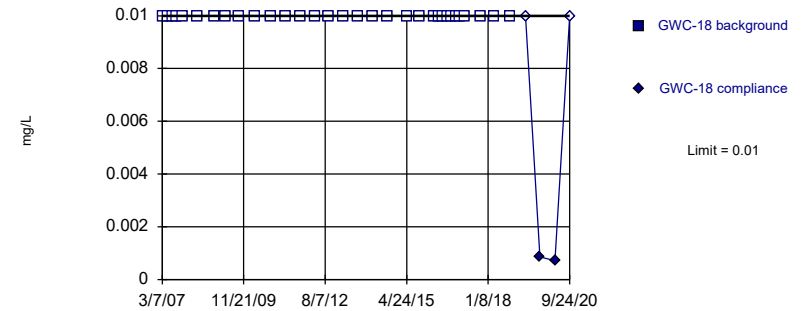


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



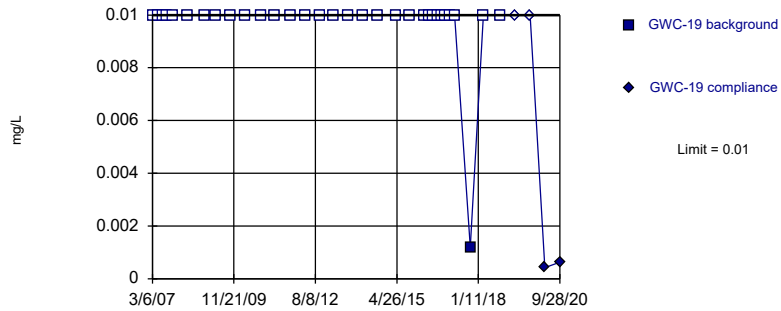
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
 Intrawell Non-parametric

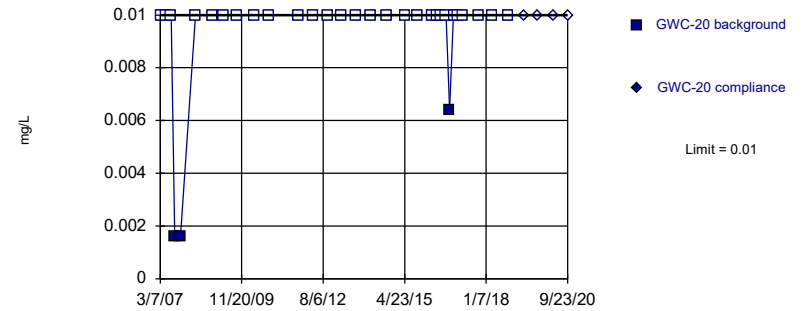


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

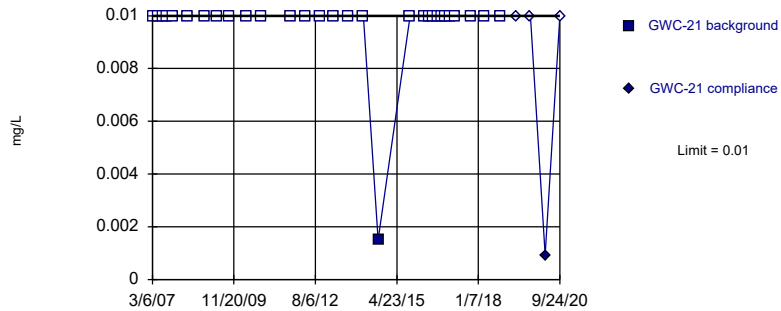


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

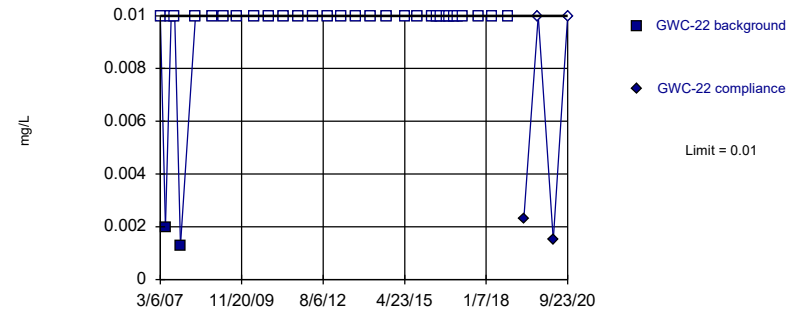


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric



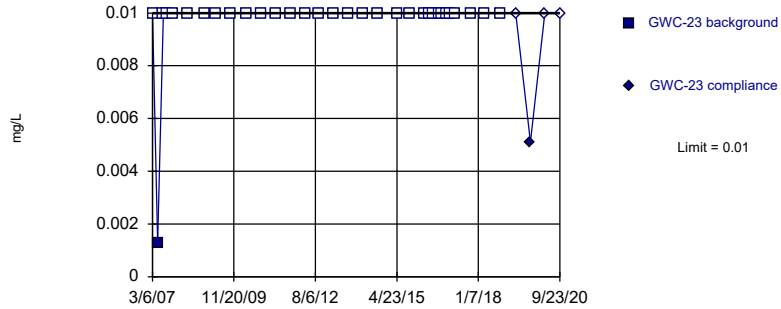
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



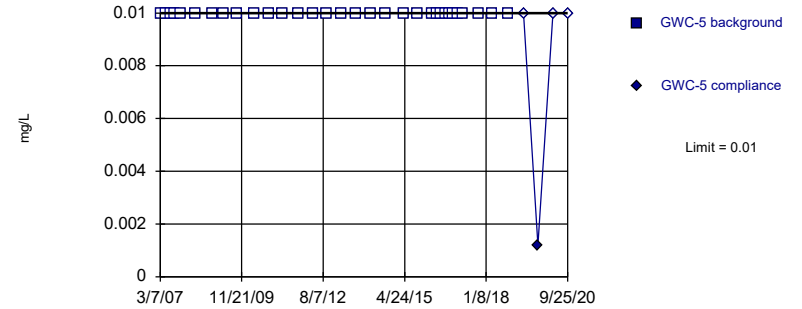
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



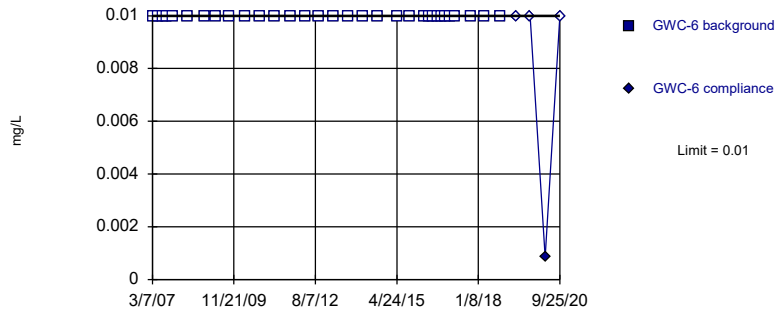
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



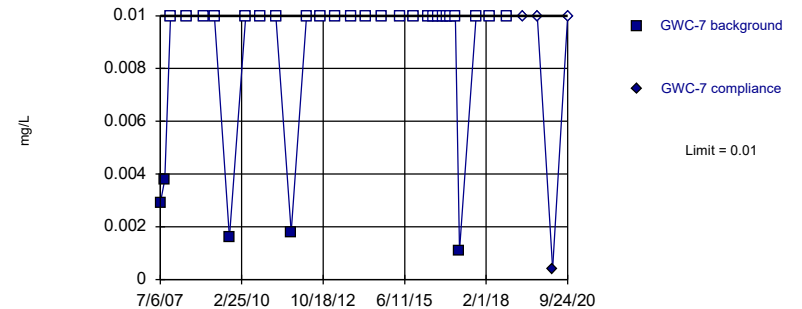
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric

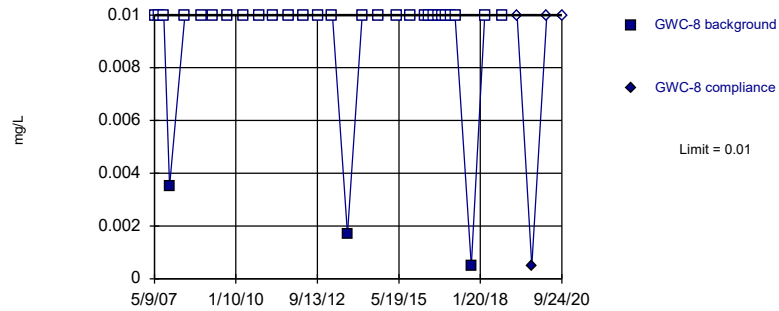


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

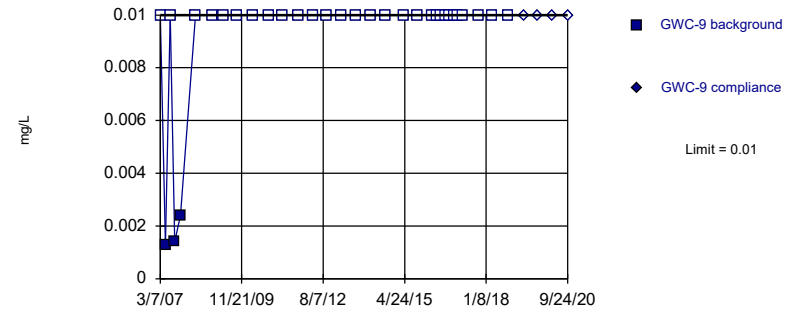


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 90.32% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

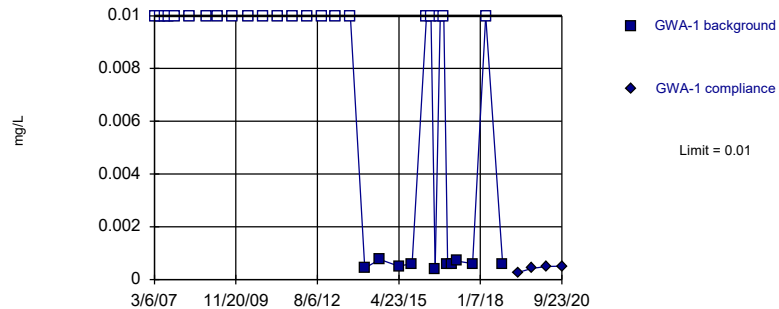


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 90.63% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Chromium Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

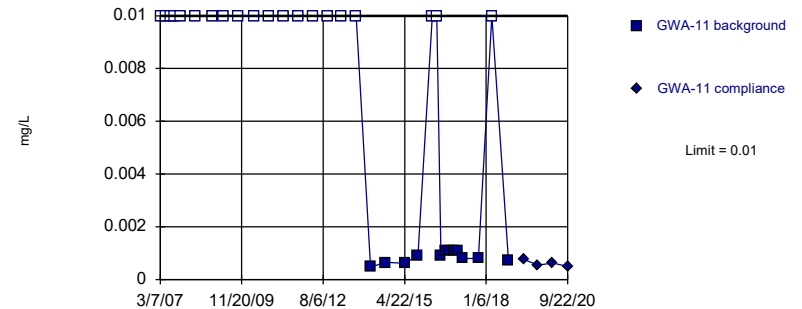


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

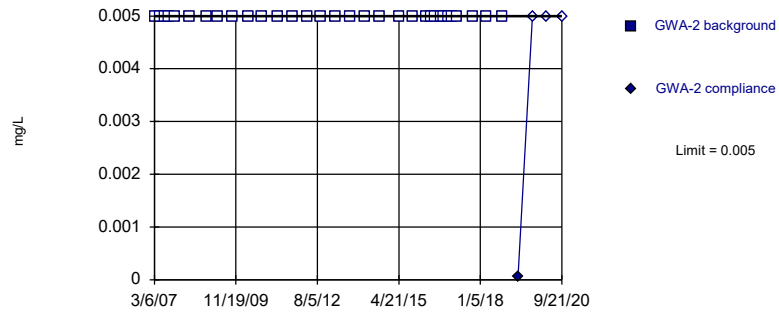


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 62.5% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 IntraWell Non-parametric

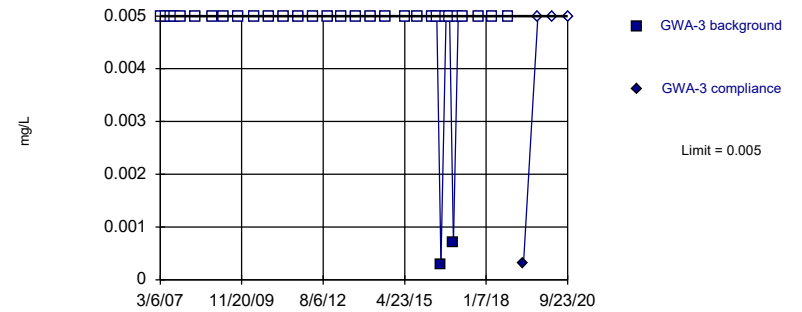


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 IntraWell Non-parametric

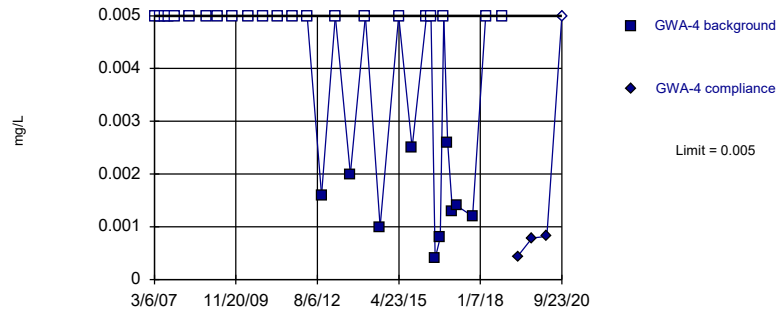


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 IntraWell Non-parametric

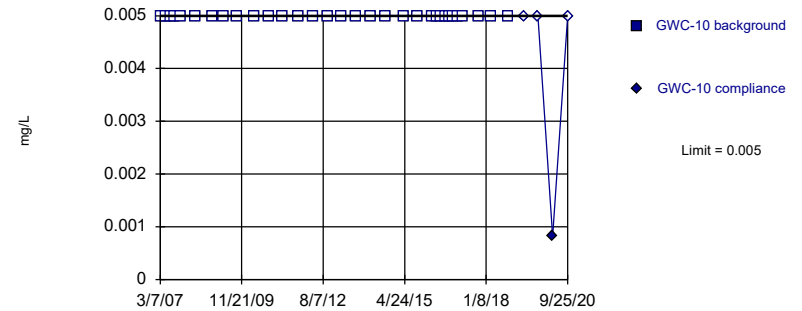


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 68.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 IntraWell Non-parametric

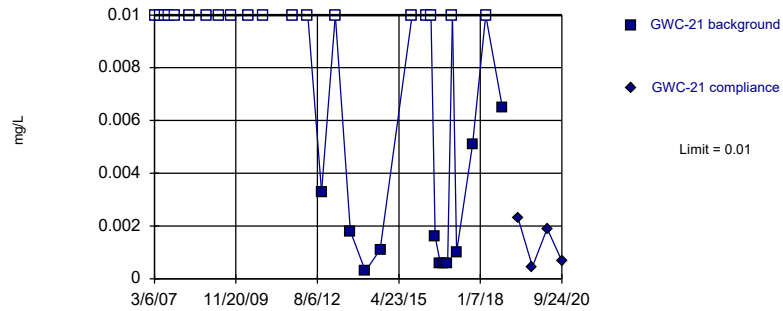


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

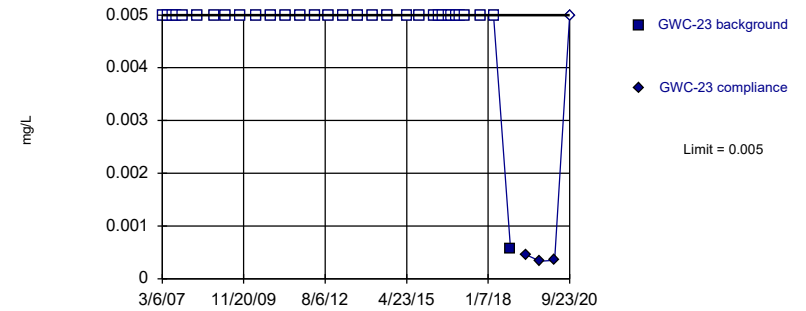


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 63.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

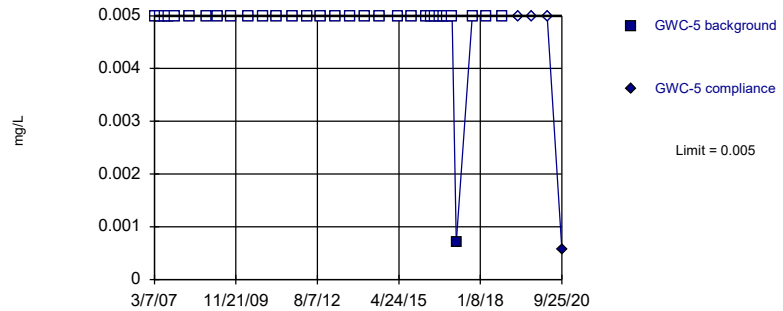


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

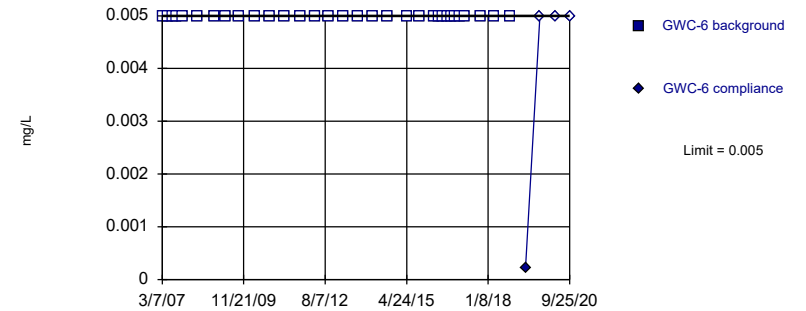


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

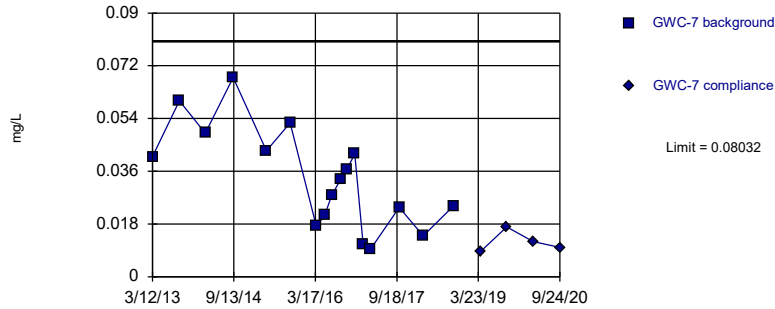


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

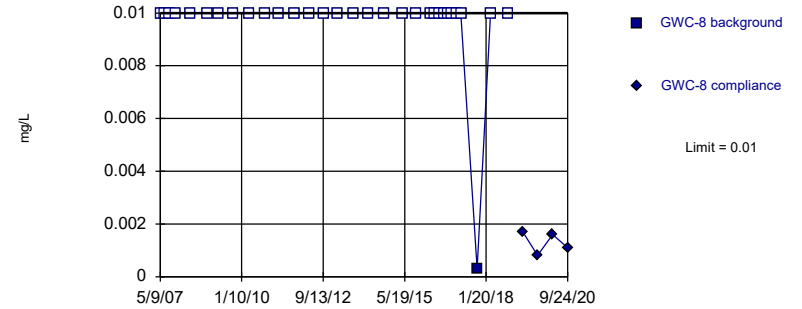


Background Data Summary: Mean=0.03376, Std. Dev.=0.01735, n=17. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9626, critical = 0.851. Kappa = 2.684 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



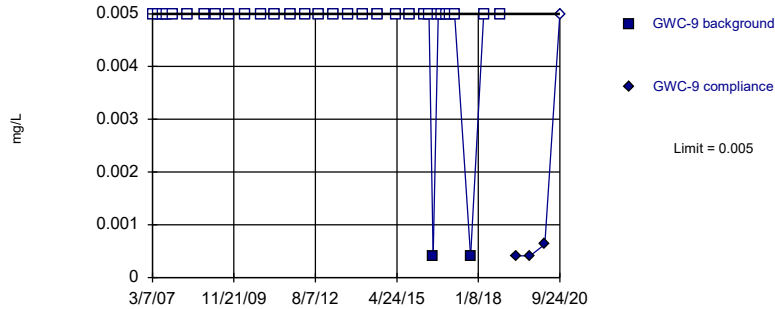
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric



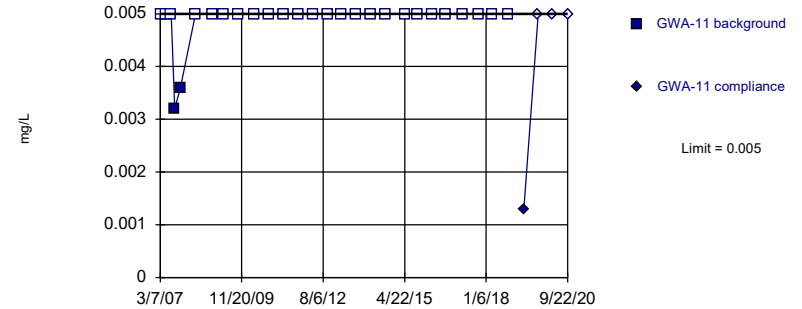
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Cobalt Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Hollow symbols indicate censored values.

Within Limit

Prediction Limit  
Intrawell Non-parametric

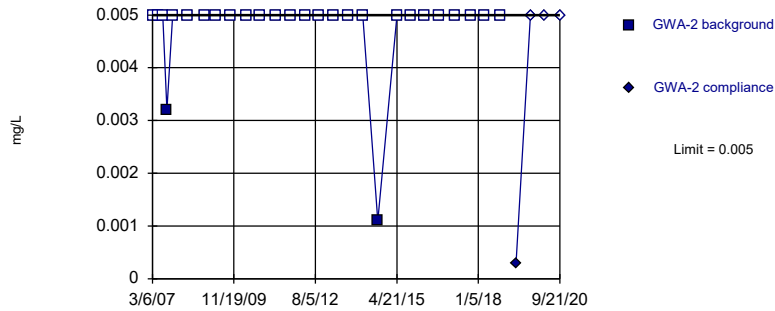


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

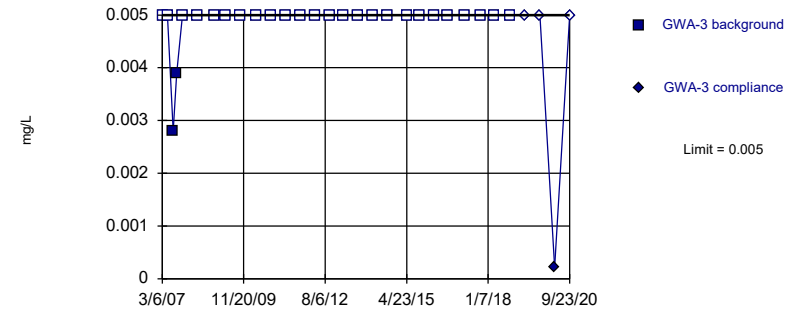


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

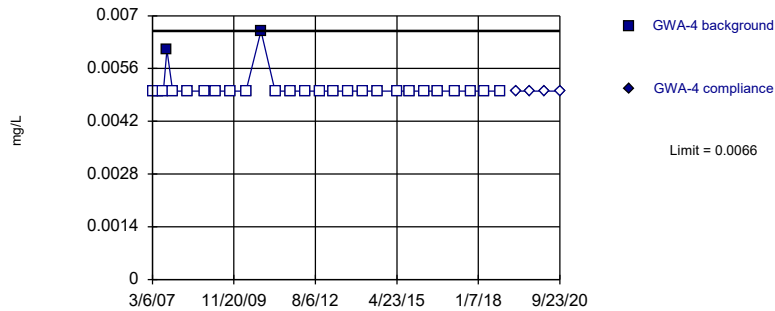


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

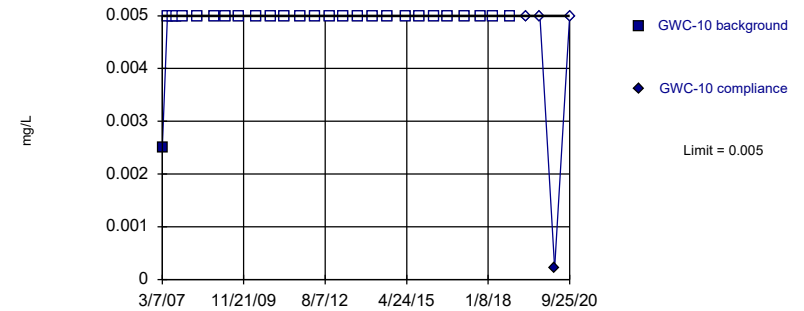


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

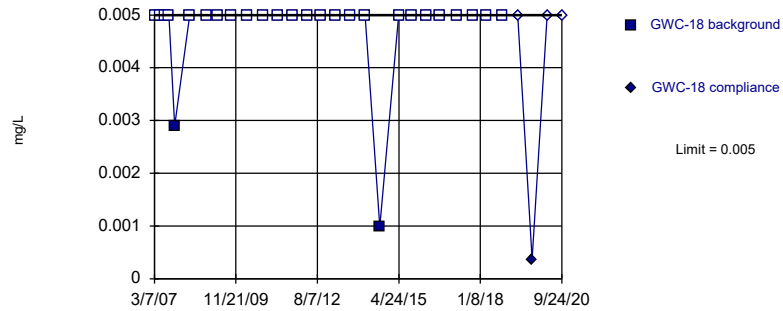


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

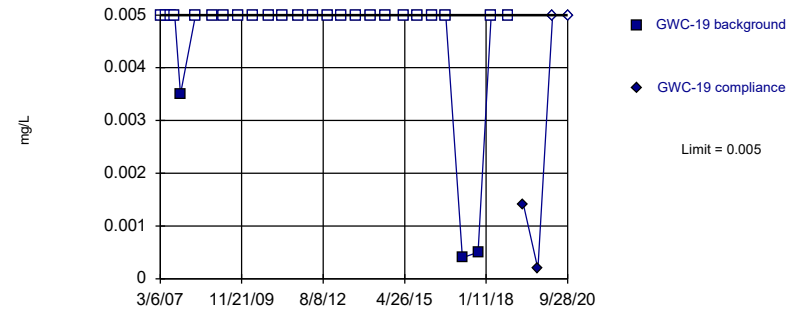


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

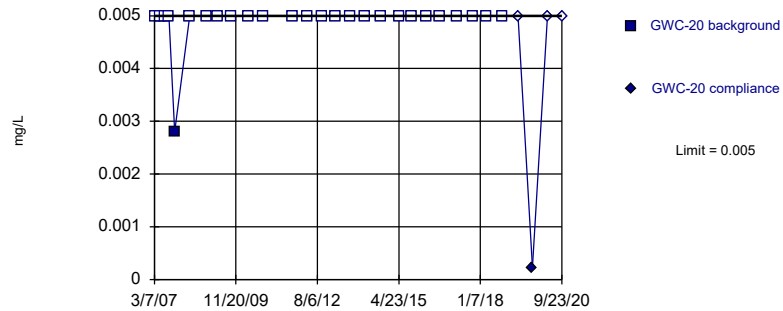


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

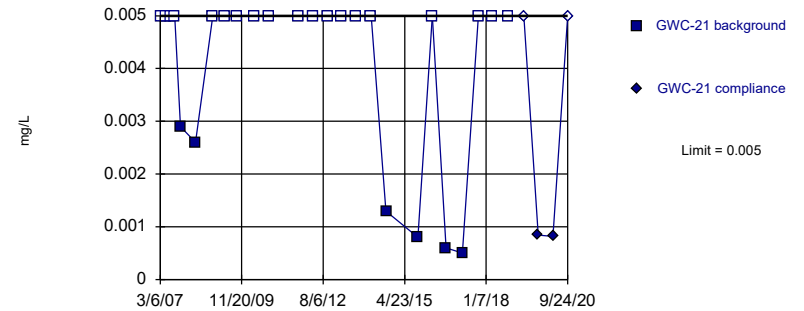


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



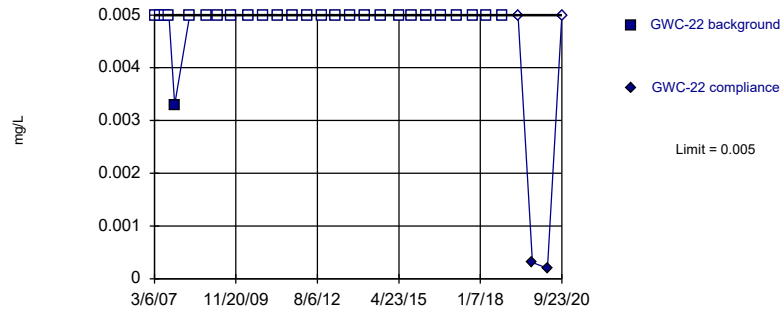
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 76% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
 Intrawell Non-parametric

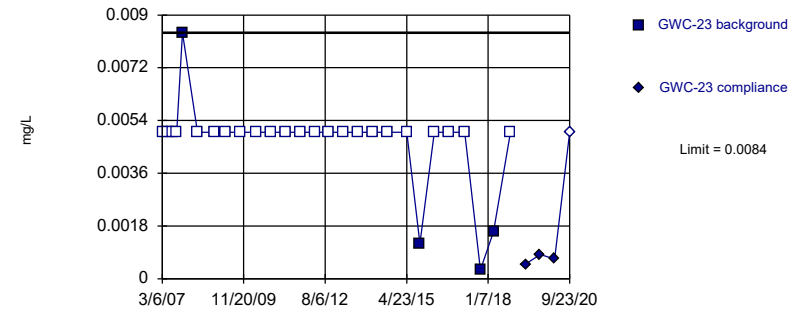


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

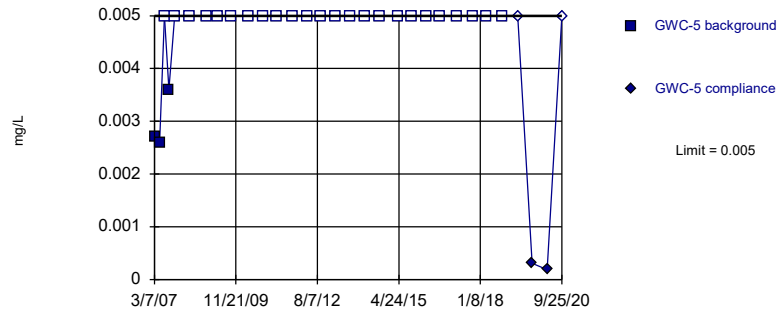


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

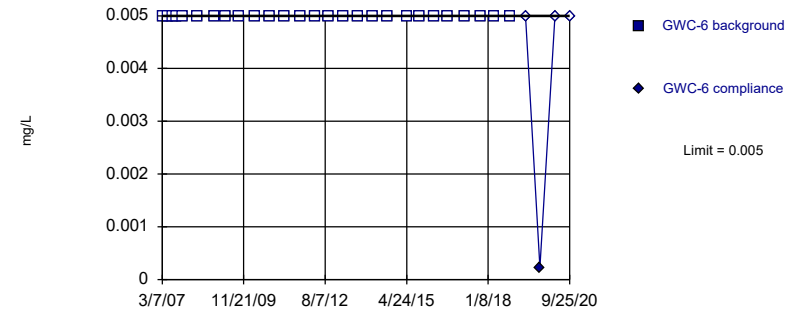


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

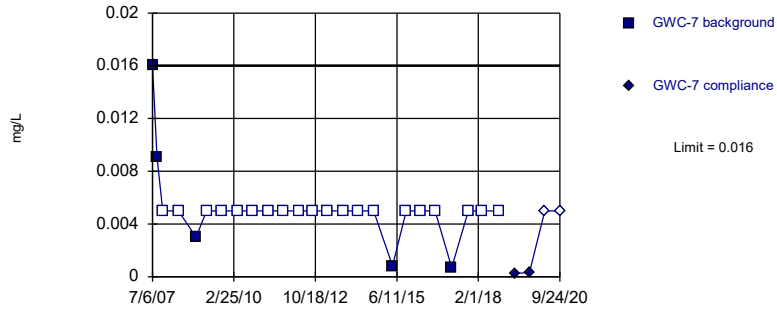


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

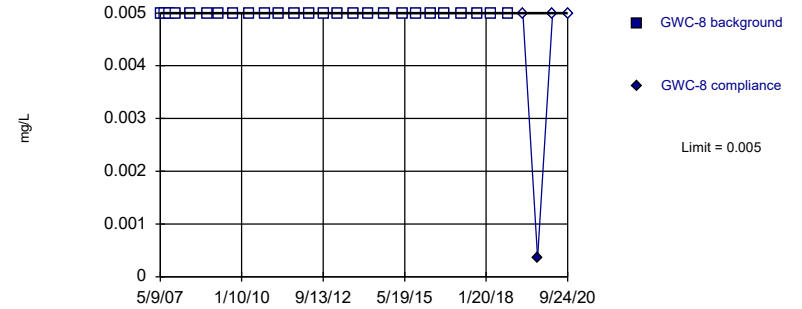


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:03 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

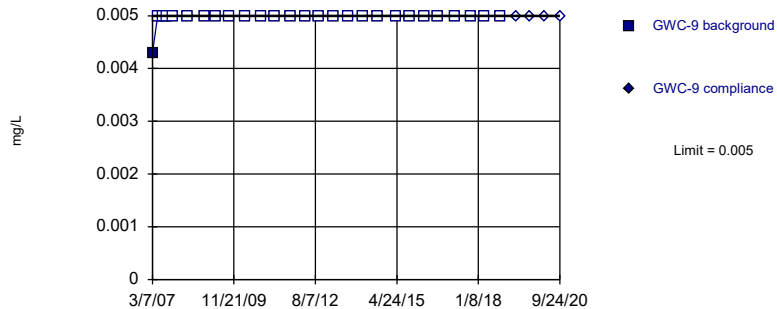


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 26) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

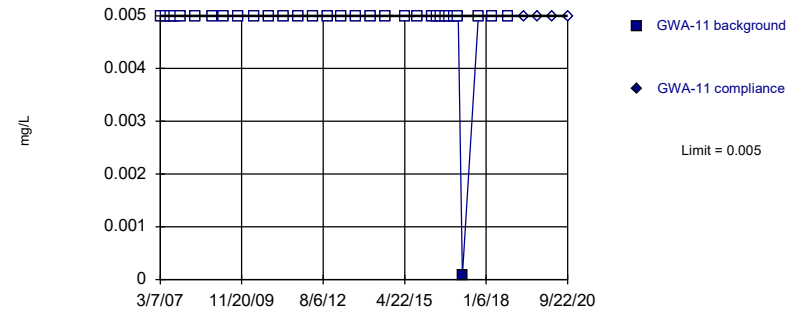


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Copper Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



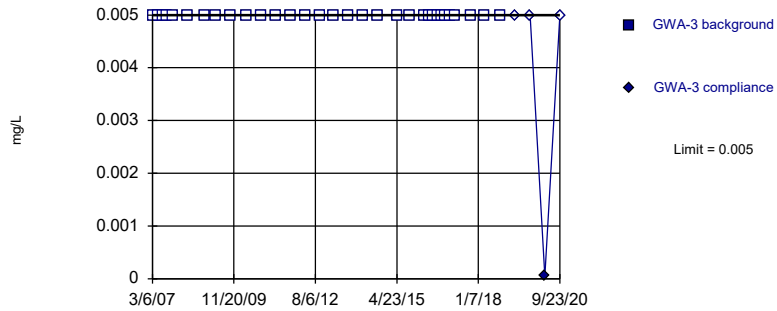
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



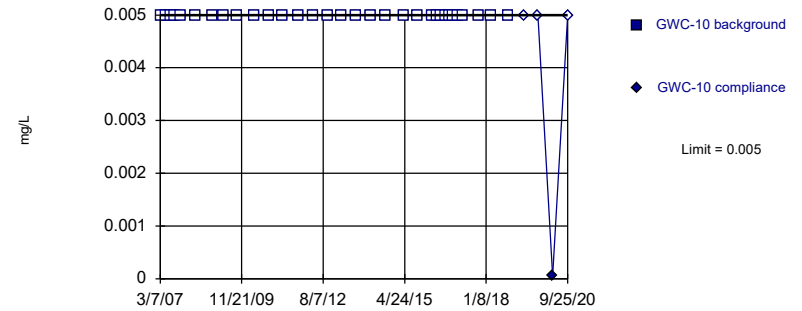
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



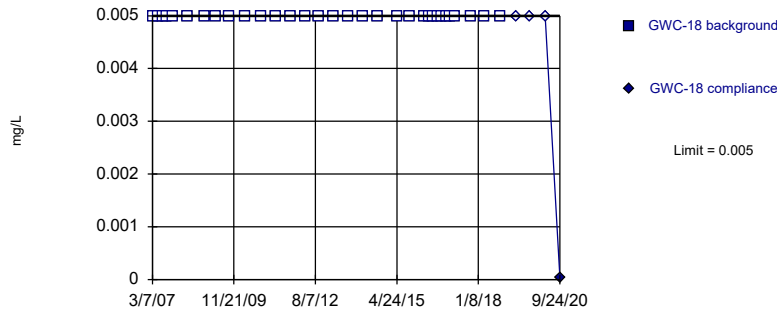
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



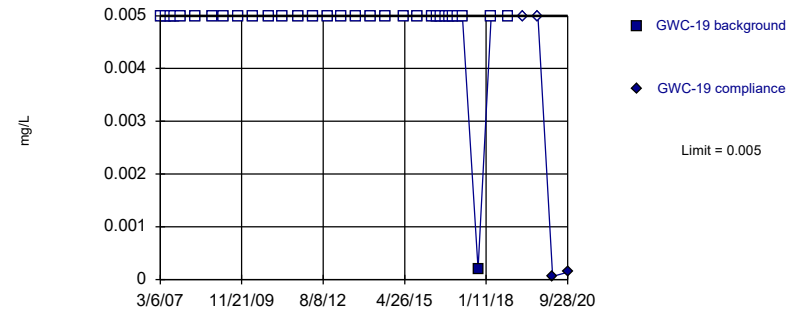
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric

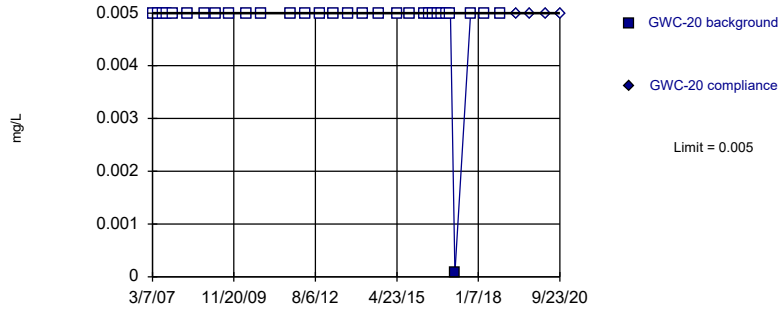


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

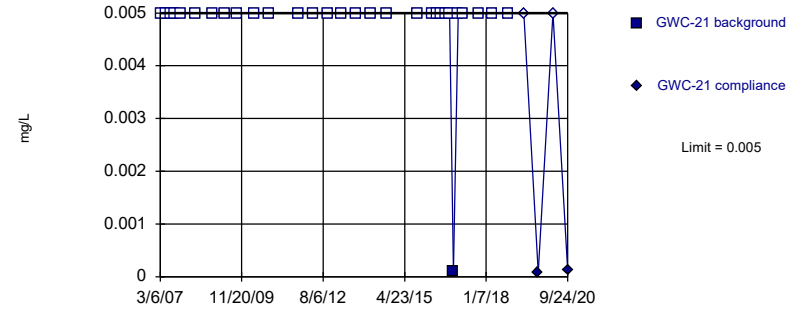


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

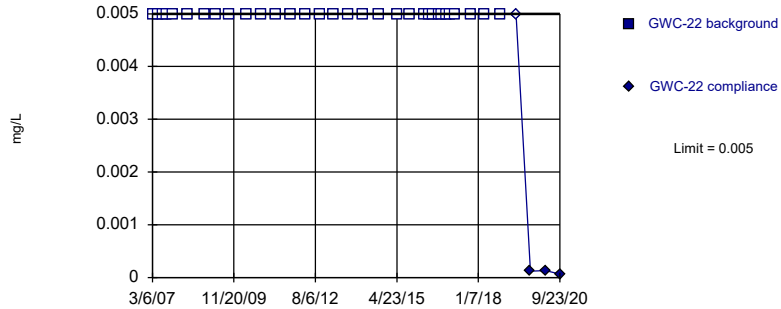


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

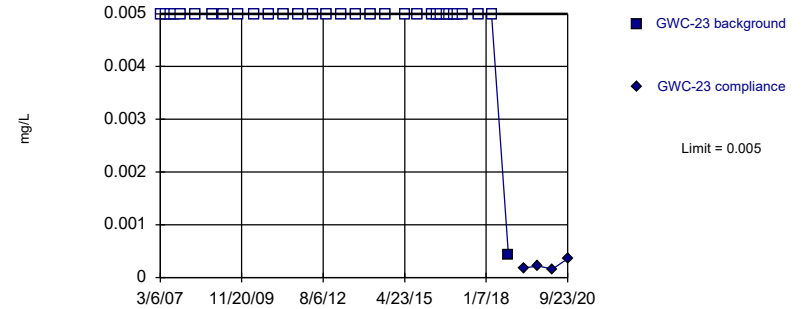


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric



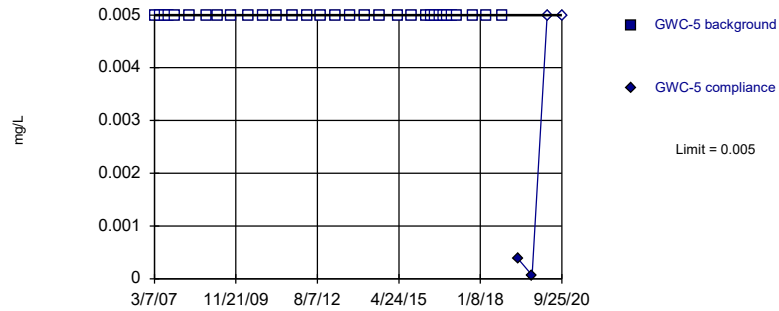
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



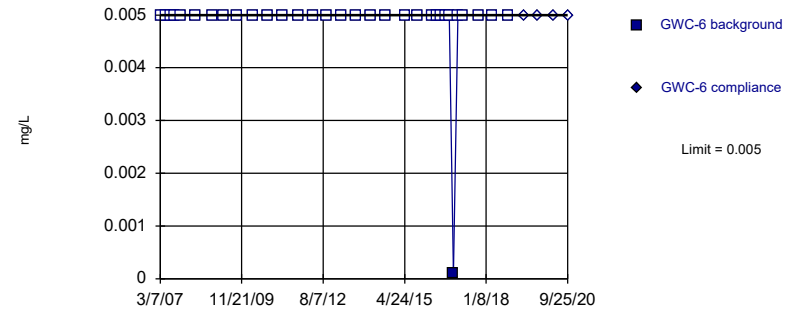
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



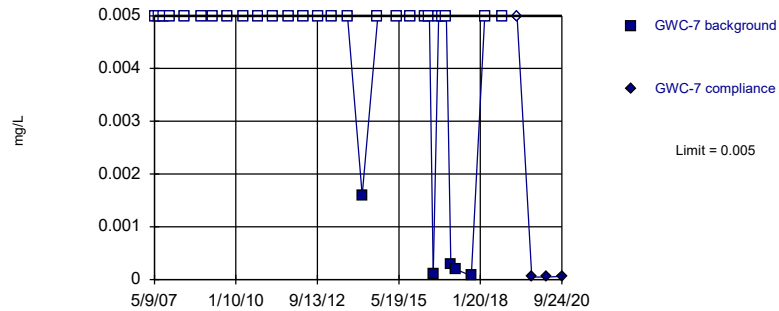
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



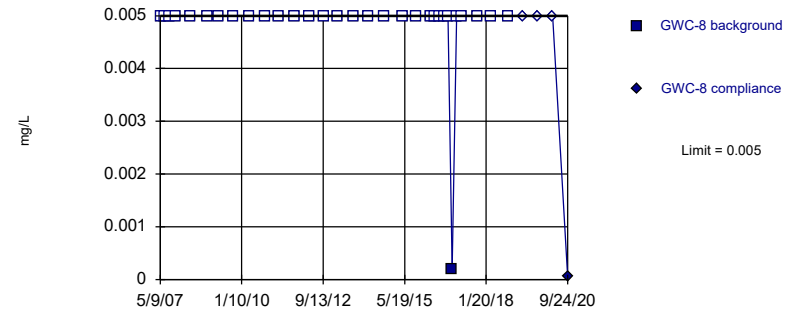
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 83.87% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sanitas™ v.9.6.27 Sanitas software utilized by Groundwater Stats Consulting, UG  
Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric

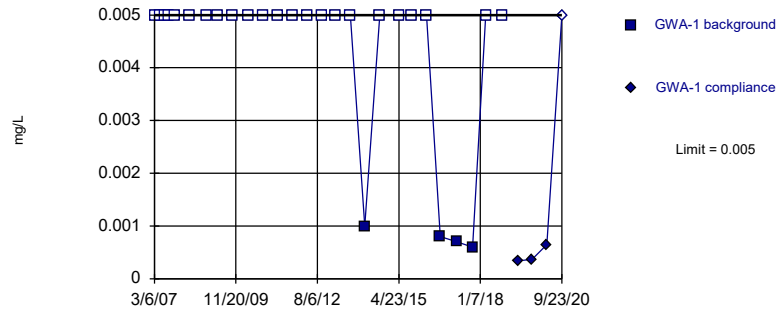


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 96.77% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Lead Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

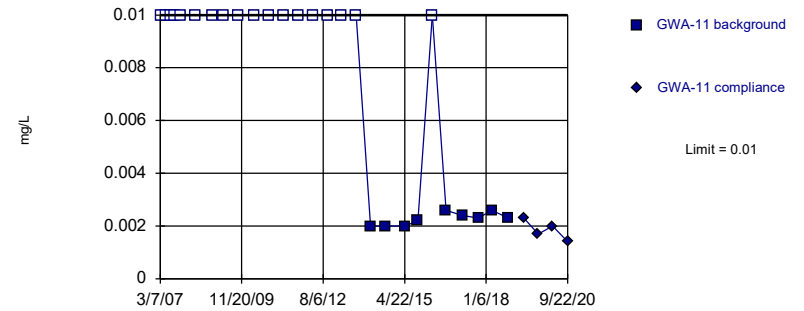


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

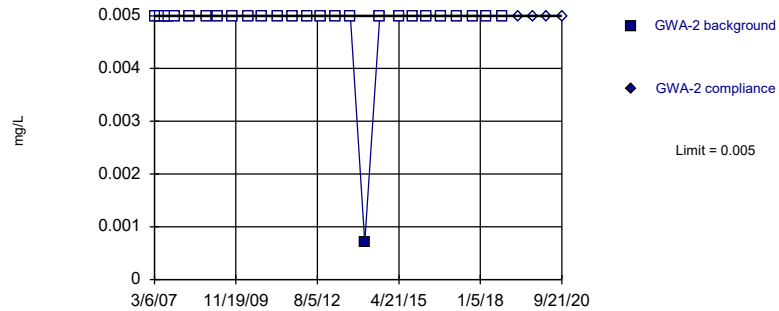


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

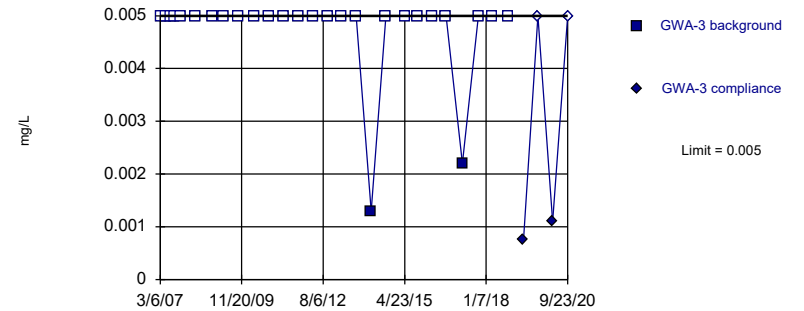


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

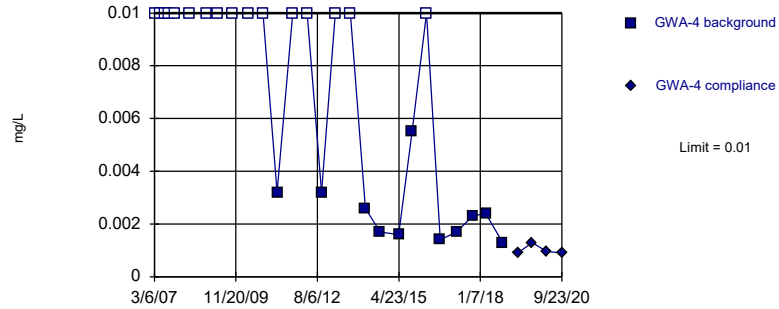


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

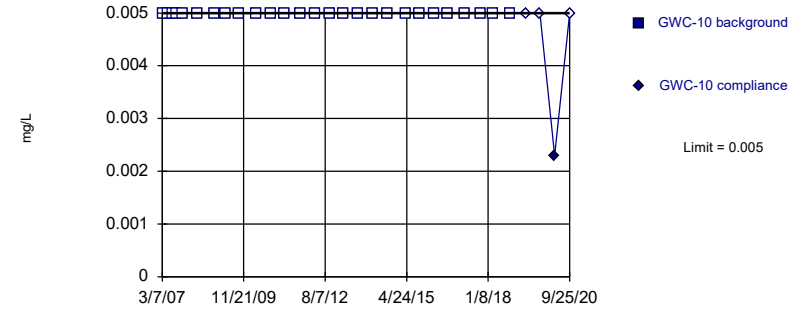


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 59.26% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

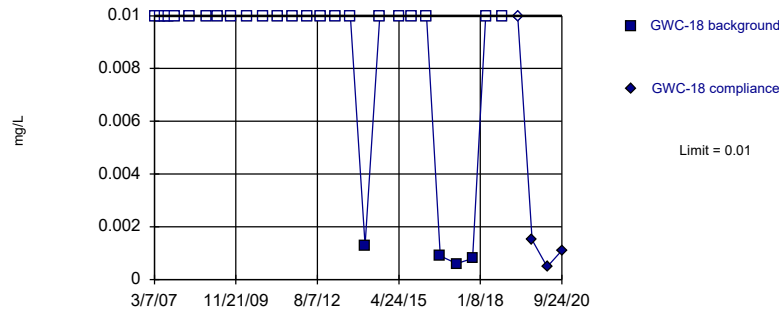


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

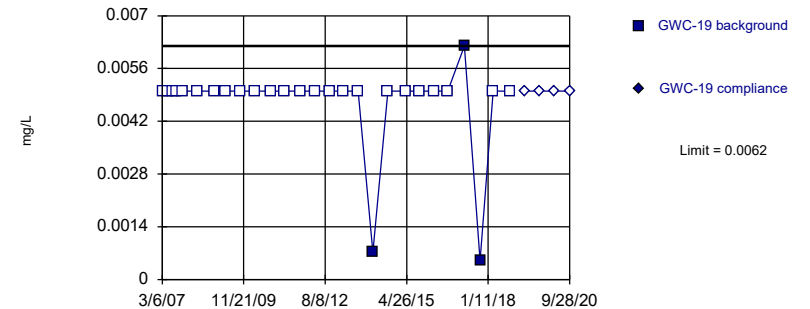


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 85.19% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

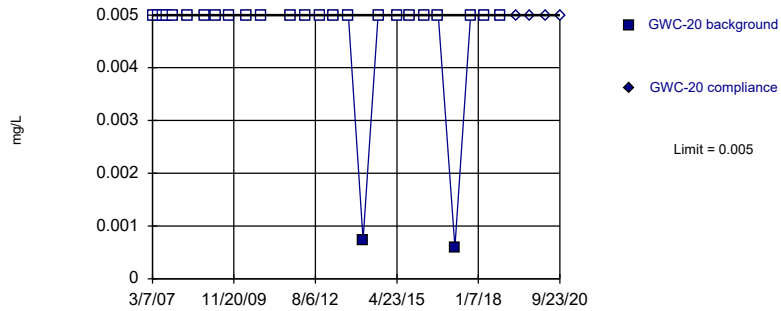


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 88.89% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

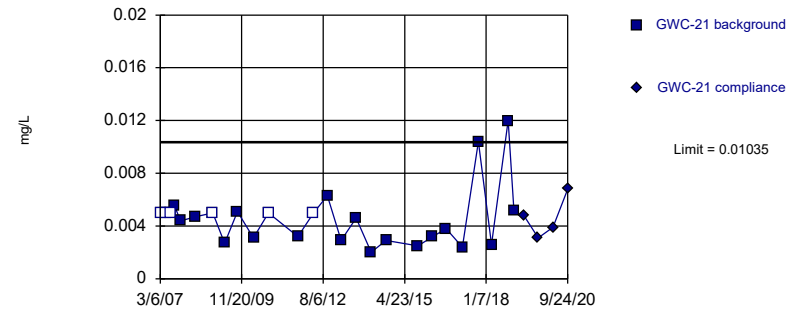


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 92.31% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

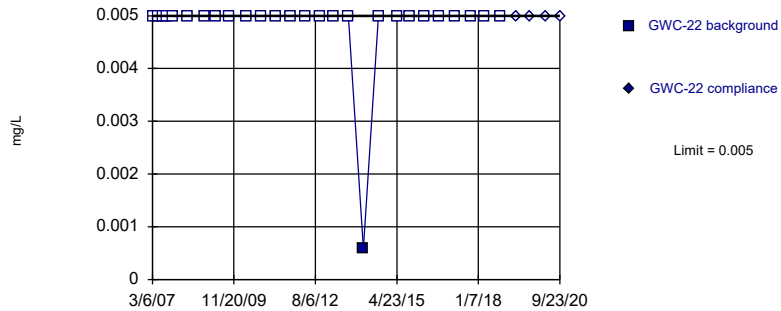


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1566, Std. Dev.=0.02496, n=26, 23.08% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8923, critical = 0.891. Kappa = 2.456 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

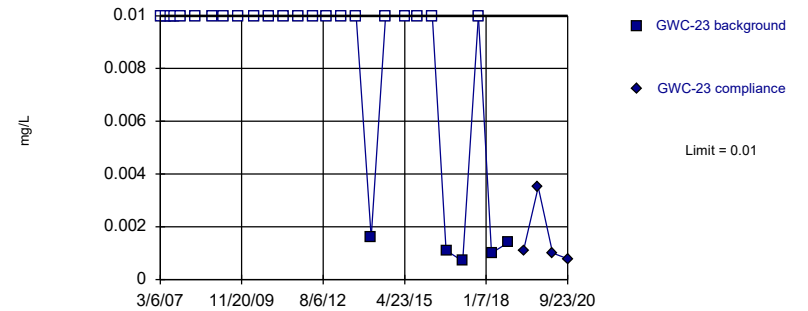


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



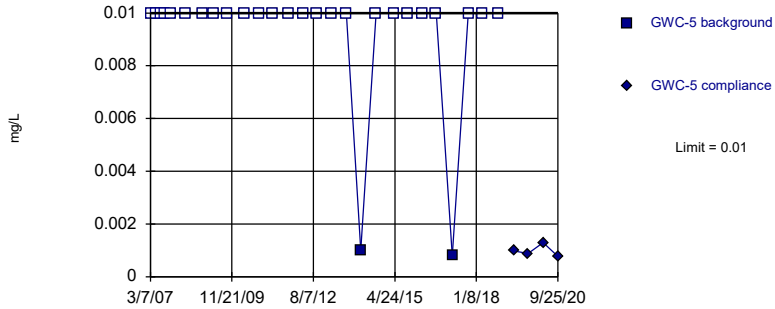
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
 Intrawell Non-parametric

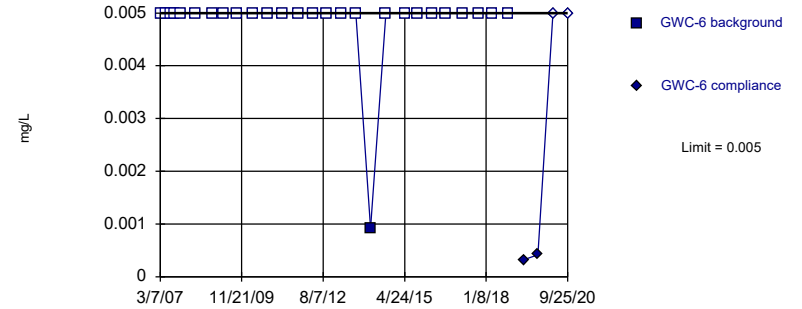


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

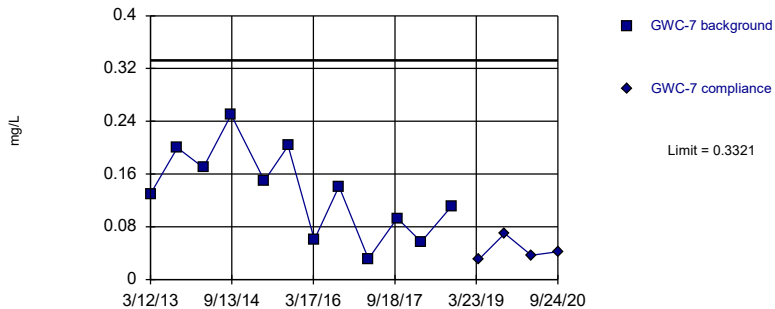


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

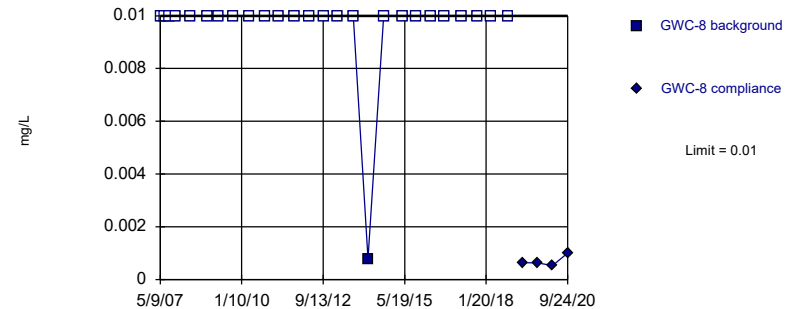


Background Data Summary: Mean=0.133, Std. Dev.=0.06625, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9771, critical = 0.805. Kappa = 3.005 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

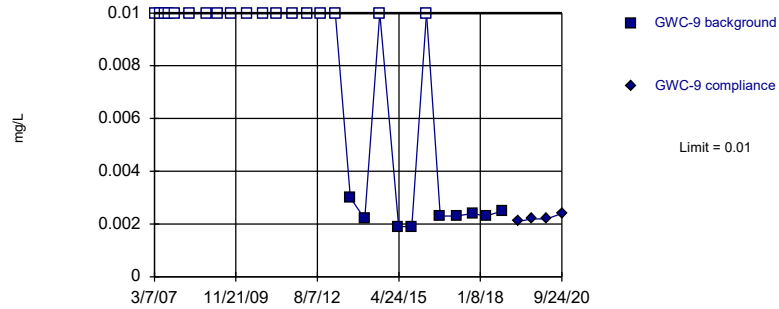


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 96.15% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

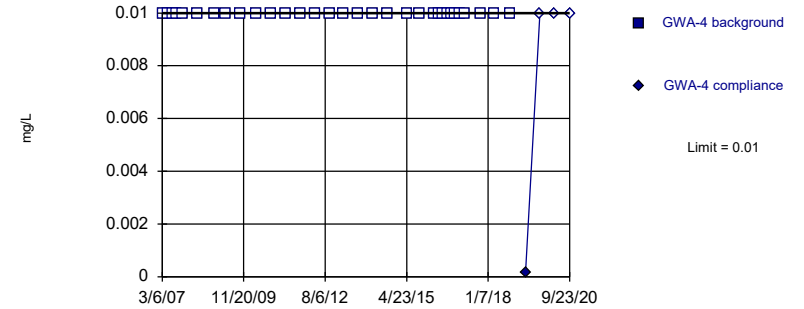


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Nickel Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

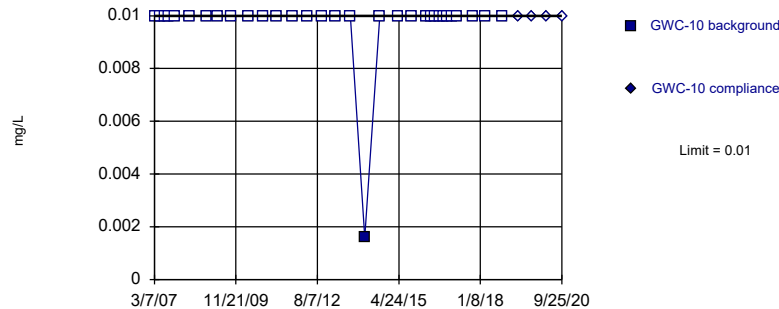


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 32) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

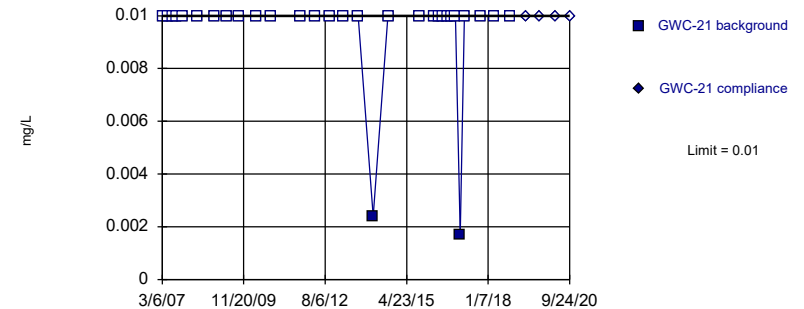


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

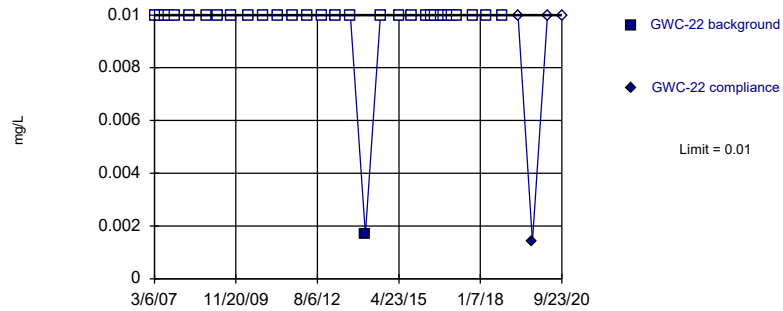


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

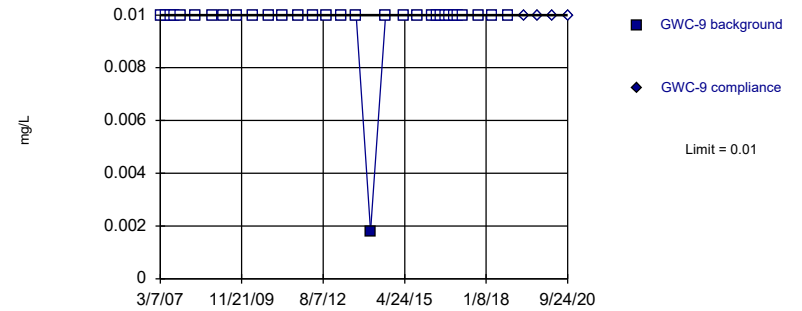


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

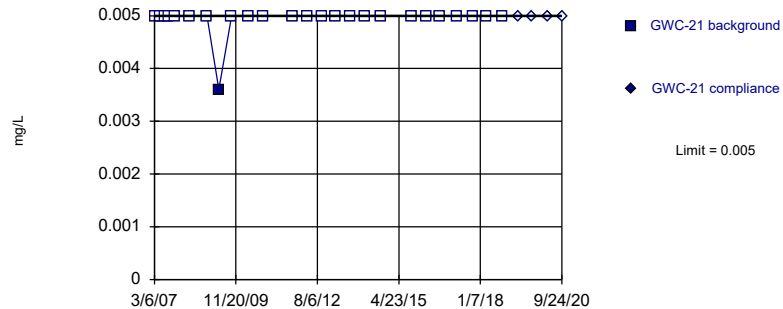


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 32 background values. 96.88% NDs. Well-constituent pair annual alpha = 0.003603. Individual comparison alpha = 0.001803 (1 of 2).

Constituent: Selenium Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

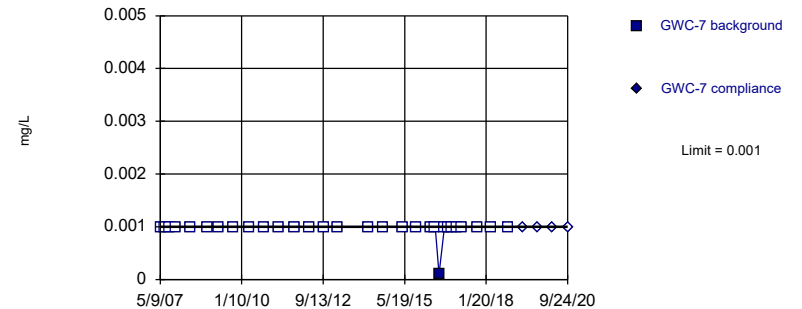


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 96% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Silver Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

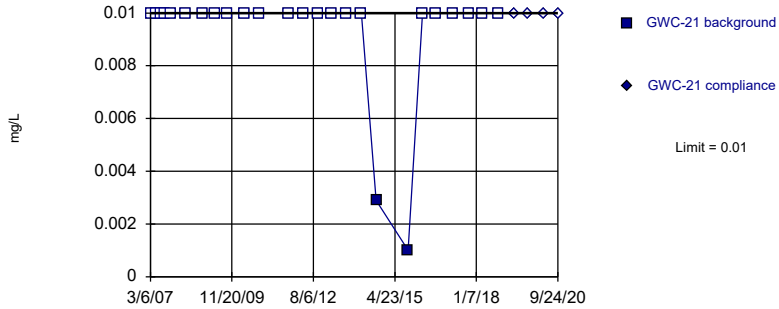


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

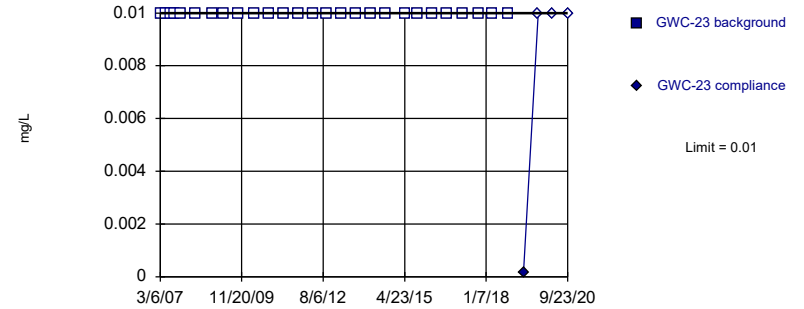


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Vanadium Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

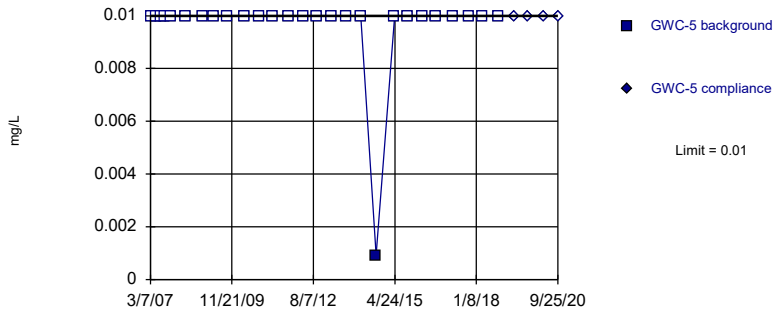


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

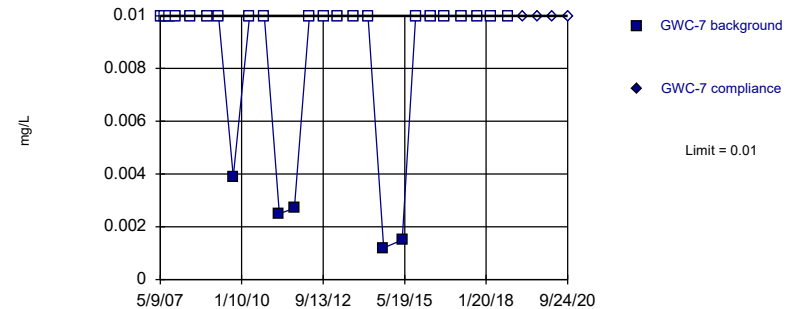


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

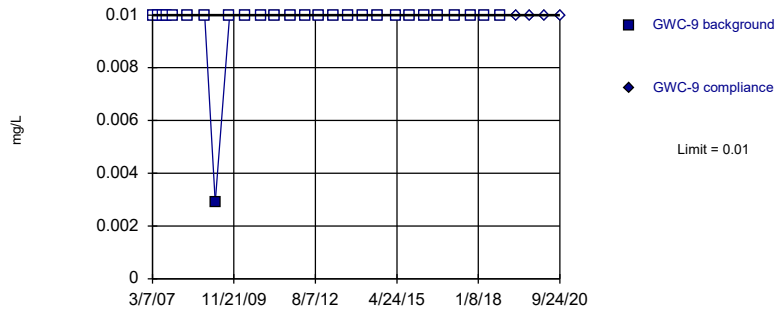


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Vanadium Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

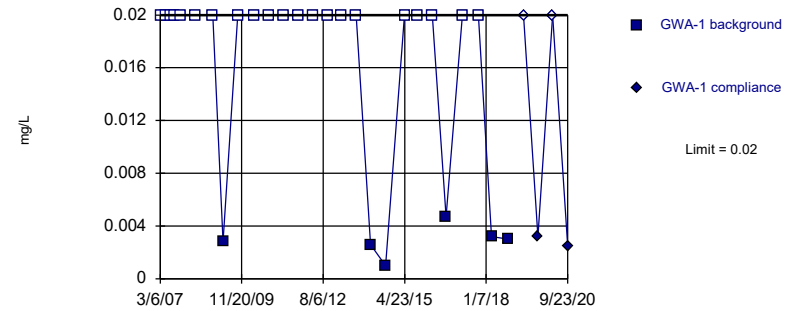


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 96.3% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Vanadium Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

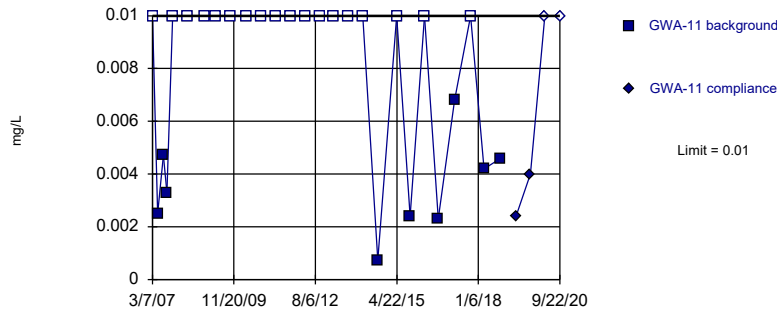


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

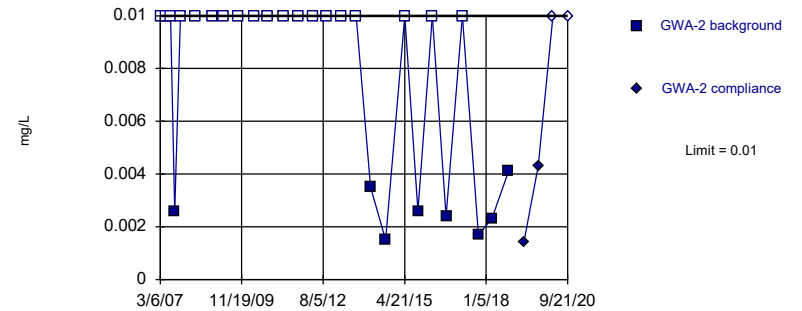


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

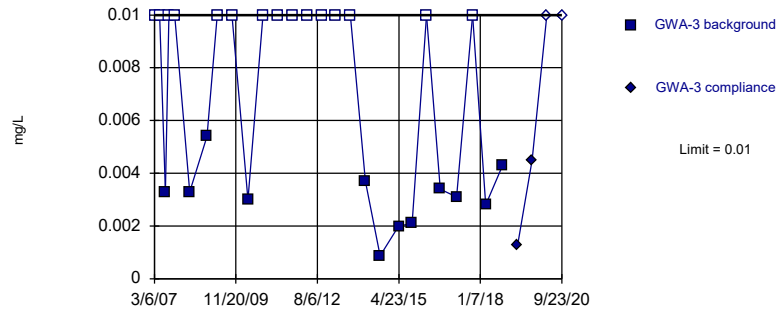


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

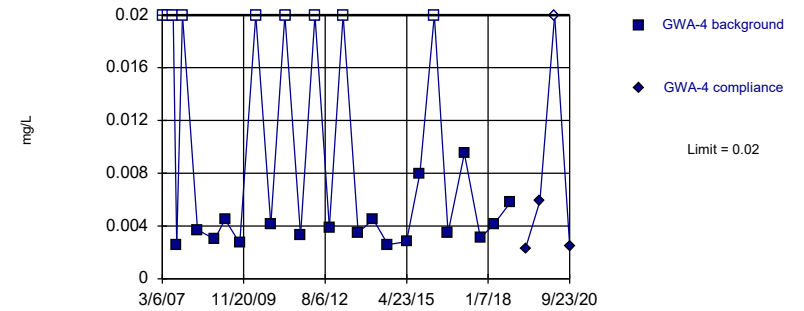


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

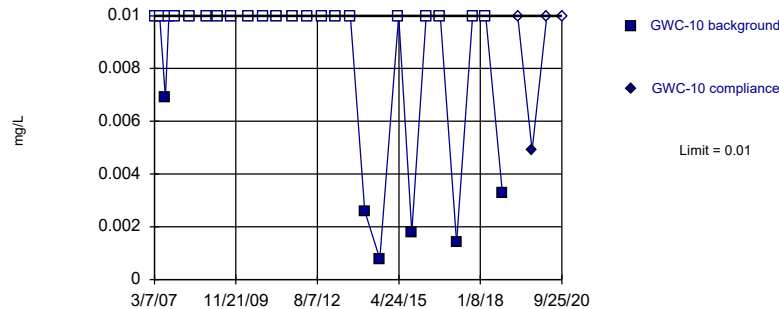


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

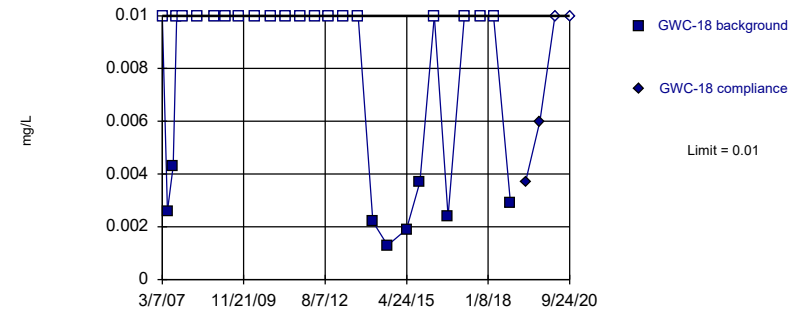


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

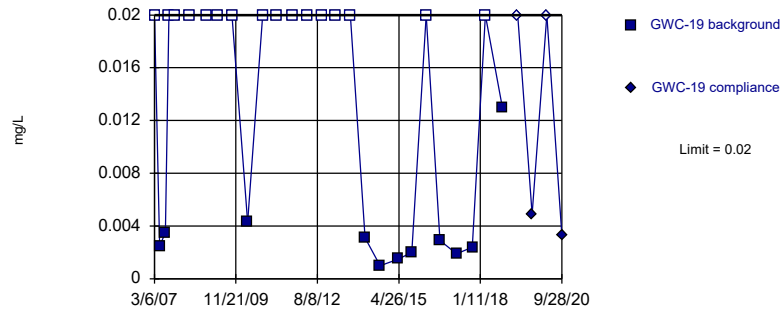


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 70.37% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

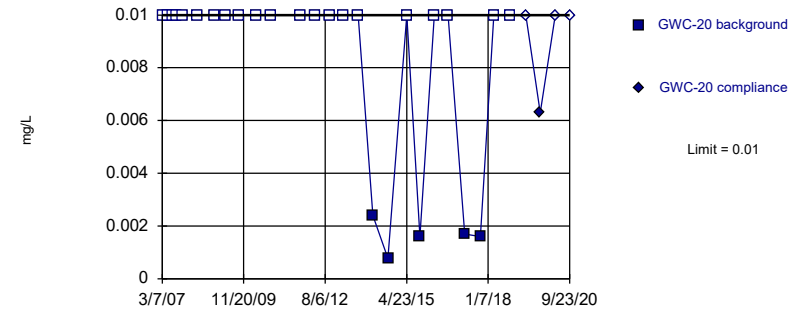


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 59.26% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

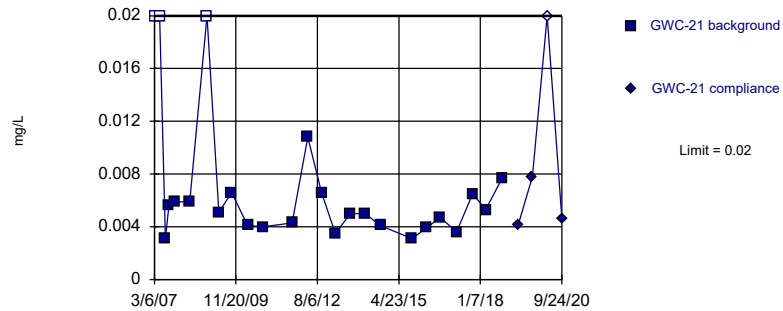


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

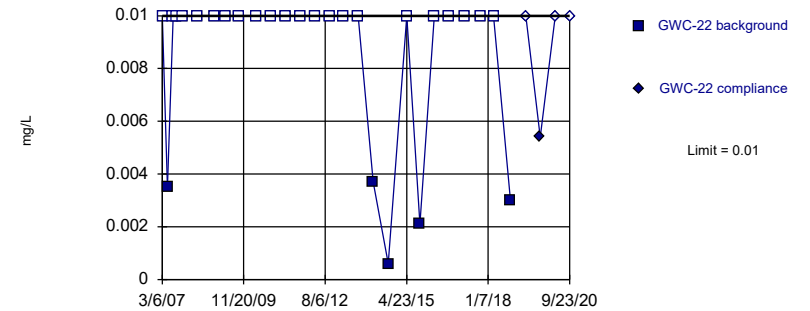


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 12% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

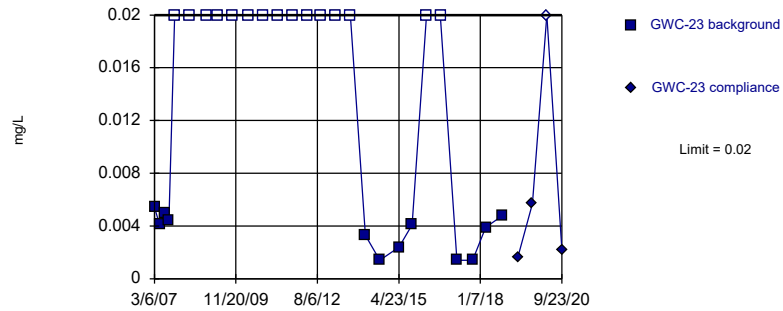


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 81.48% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

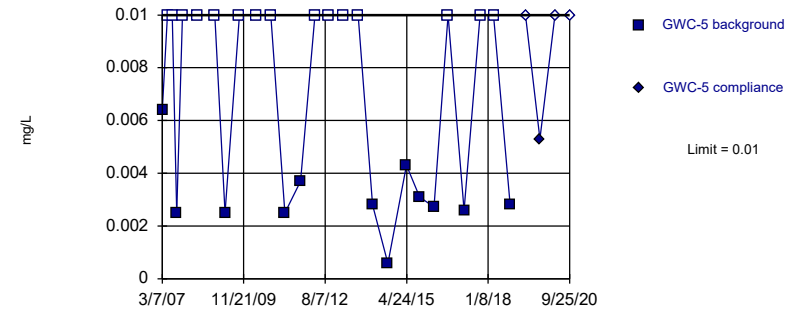


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

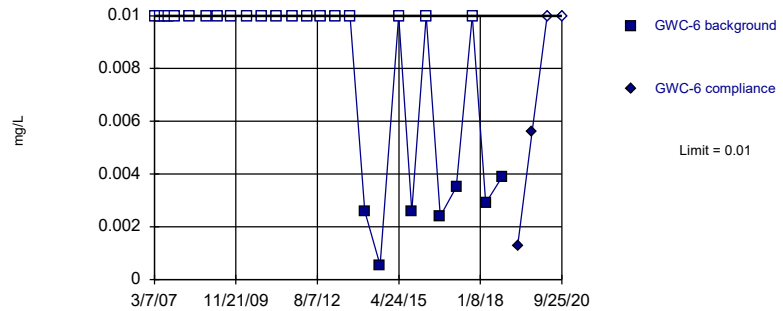


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 55.56% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

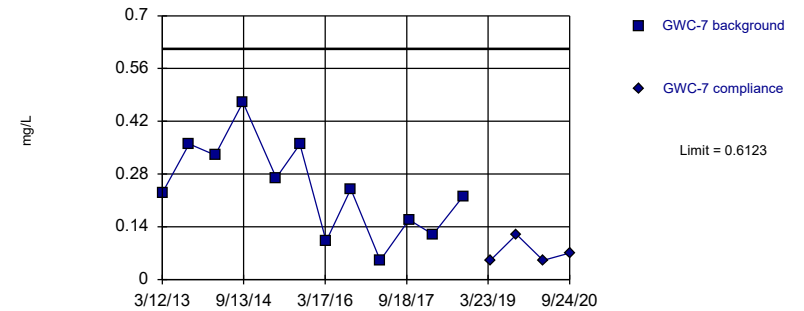


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 74.07% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



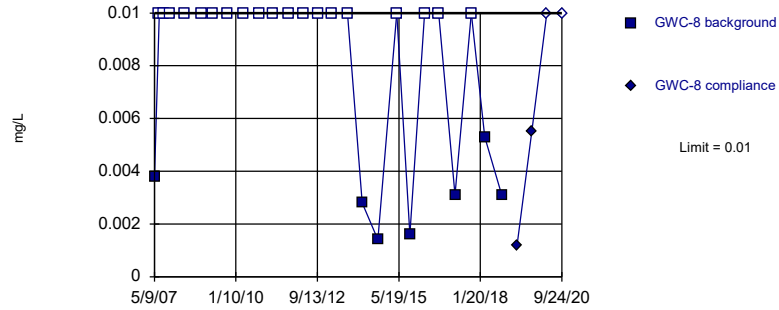
Background Data Summary: Mean=0.2426, Std. Dev.=0.123, n=12. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9762, critical = 0.805. Kappa = 3.005 (c=15, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002926.

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
 Intrawell Non-parametric

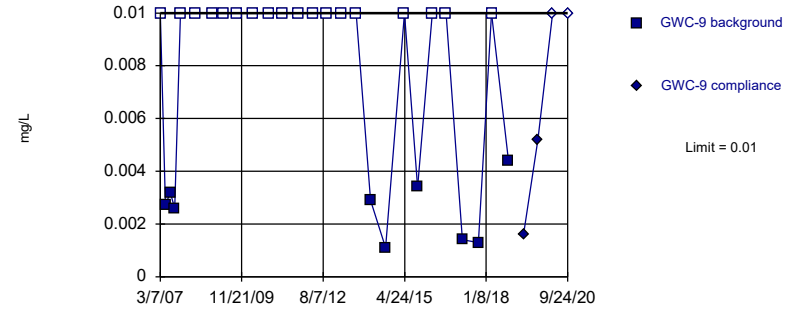


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 73.08% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Zinc Analysis Run 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker 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 11/7/2020 4:04 PM View: PL's State  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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)



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/28/2020 3:13 PM View: PL's State

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)

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	8E-05 (J)	
9/29/2015	<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	
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

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.003	
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		0.0001 (J)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.003	
9/10/2013	<0.003	
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	<0.003	
5/18/2016	<0.003	
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	<0.003	
3/24/2017	<0.003	
10/4/2017	0.0001 (J)	
3/15/2018	<0.003	
10/4/2018	0.0002 (J)	
4/8/2019		5.8E-05 (J)
10/1/2019		0.0001 (J)
3/30/2020		<0.003
9/24/2020		5E-05 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.0025	
5/8/2007	<0.0025	
7/17/2007	<0.0025	
8/28/2007	<0.0025	
11/6/2007	<0.0025	
5/8/2008	<0.0025	
12/3/2008	<0.0025	
4/7/2009	<0.0025	
10/2/2009	<0.0025	
4/14/2010	<0.0025	
10/14/2010	<0.0025	
4/5/2011	<0.0025	
10/12/2011	<0.0025	
4/4/2012	<0.0025	
9/24/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/11/2014	<0.0025	
9/8/2014	<0.0025	
4/21/2015	<0.0025	
9/29/2015	<0.0025	
3/22/2016	<0.0025	
5/17/2016	<0.0025	
7/6/2016	<0.0025	
9/7/2016	<0.0025	
10/18/2016	<0.0025	
12/6/2016	<0.0025	
2/1/2017	0.0001 (J)	
3/24/2017	<0.0025	
10/4/2017	<0.0025	
3/15/2018	<0.0025	
10/4/2018	<0.0025	
4/8/2019		<0.0025
9/30/2019		<0.0025
3/26/2020		<0.0025
9/23/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-10	GWC-10
3/7/2007	<0.0025	
5/8/2007	<0.0025	
7/17/2007	<0.0025	
8/28/2007	<0.0025	
11/7/2007	<0.0025	
5/9/2008	<0.0025	
12/2/2008	<0.0025	
4/8/2009	<0.0025	
10/1/2009	<0.0025	
4/14/2010	<0.0025	
10/13/2010	<0.0025	
4/6/2011	<0.0025	
10/4/2011	<0.0025	
4/10/2012	<0.0025	
9/26/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/4/2014	<0.0025	
9/3/2014	<0.0025	
4/21/2015	<0.0025	
9/30/2015	<0.0025	
3/23/2016	<0.0025	
5/17/2016	<0.0025	
7/6/2016	<0.0025	
9/7/2016	<0.0025	
10/18/2016	<0.0025	
12/6/2016	<0.0025	
2/2/2017	9E-05 (J)	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/15/2018	<0.0025	
10/4/2018	<0.0025	
4/9/2019		<0.0025
10/1/2019		<0.0025
3/27/2020		<0.0025
9/25/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.0025	
5/9/2007	<0.0025	
7/17/2007	<0.0025	
8/28/2007	<0.0025	
11/7/2007	<0.0025	
5/7/2008	<0.0025	
12/3/2008	<0.0025	
4/14/2009	<0.0025	
10/1/2009	<0.0025	
4/13/2010	<0.0025	
10/12/2010	<0.0025	
4/6/2011	<0.0025	
10/12/2011	<0.0025	
4/5/2012	<0.0025	
9/19/2012	<0.0025	
3/13/2013	<0.0025	
9/10/2013	<0.0025	
3/10/2014	<0.0025	
9/3/2014	<0.0025	
4/22/2015	<0.0025	
9/30/2015	<0.0025	
3/24/2016	<0.0025	
5/18/2016	<0.0025	
7/7/2016	<0.0025	
9/8/2016	<0.0025	
10/19/2016	<0.0025	
12/8/2016	<0.0025	
2/2/2017	8E-05 (J)	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/16/2018	<0.0025	
10/5/2018	<0.0025	
4/9/2019		<0.0025
10/1/2019		<0.0025
3/30/2020		<0.0025
9/24/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-20	GWC-20
3/7/2007	<0.0025	
5/9/2007	<0.0025	
7/17/2007	<0.0025	
8/29/2007	<0.0025	
11/7/2007	<0.0025	
5/7/2008	<0.0025	
12/5/2008	<0.0025	
4/14/2009	<0.0025	
9/30/2009	<0.0025	
4/13/2010	<0.0025	
10/12/2010	<0.0025	
10/12/2011	<0.0025	
4/9/2012	<0.0025	
9/25/2012	<0.0025	
3/13/2013	<0.0025	
9/11/2013	<0.0025	
3/10/2014	<0.0025	
9/9/2014	<0.0025	
4/23/2015	<0.0025	
9/30/2015	<0.0025	
3/23/2016	<0.0025	
5/18/2016	<0.0025	
7/7/2016	<0.0025	
9/8/2016	<0.0025	
10/19/2016	<0.0025	
12/7/2016	<0.0025	
2/3/2017	<0.0025	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/16/2018	<0.0025	
10/5/2018	0.00011 (J)	
4/9/2019		<0.0025
10/1/2019		<0.0025
3/31/2020		<0.0025
9/23/2020		<0.0025



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-21	GWC-21
3/6/2007	<0.0025	
5/9/2007	<0.0025	
7/17/2007	<0.0025	
8/29/2007	<0.0025	
11/7/2007	<0.0025	
5/7/2008	<0.0025	
12/5/2008	<0.0025	
4/27/2009	<0.0025	
9/30/2009	<0.0025	
4/13/2010	<0.0025	
10/12/2010	<0.0025	
10/5/2011	<0.0025	
4/10/2012	<0.0025	
9/26/2012	<0.0025	
3/13/2013	<0.0025	
9/11/2013	<0.0025	
3/11/2014	<0.0025	
9/9/2014	<0.0025	
9/30/2015	<0.0025	
3/24/2016	<0.0025	
5/18/2016	<0.0025	
7/7/2016	0.0001 (J)	
9/8/2016	<0.0025	
10/19/2016	<0.0025	
12/7/2016	<0.0025	
2/2/2017	0.0001 (J)	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/15/2018	<0.0025	
10/4/2018	<0.0025	
4/9/2019		<0.0025
10/1/2019		<0.0025
3/31/2020		<0.0025
9/24/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.0025	
5/9/2007	<0.0025	
7/17/2007	<0.0025	
8/29/2007	<0.0025	
11/7/2007	<0.0025	
5/7/2008	<0.0025	
12/5/2008	<0.0025	
4/14/2009	<0.0025	
10/1/2009	<0.0025	
4/14/2010	<0.0025	
10/13/2010	<0.0025	
4/6/2011	<0.0025	
10/12/2011	<0.0025	
4/9/2012	<0.0025	
9/19/2012	<0.0025	
3/13/2013	<0.0025	
9/10/2013	<0.0025	
3/11/2014	<0.0025	
9/3/2014	<0.0025	
4/23/2015	<0.0025	
9/30/2015	<0.0025	
3/23/2016	<0.0025	
5/19/2016	<0.0025	
7/7/2016	<0.0025	
9/8/2016	<0.0025	
10/19/2016	<0.0025	
12/7/2016	<0.0025	
2/3/2017	8E-05 (J)	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/15/2018	<0.0025	
10/5/2018	<0.0025	
4/8/2019		<0.0025
10/1/2019		<0.0025
3/26/2020		<0.0025
9/23/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-5	GWC-5
3/7/2007	0.0015	
5/8/2007	<0.0025	
7/6/2007	<0.0025	
8/28/2007	<0.0025	
11/6/2007	<0.0025	
5/8/2008	<0.0025	
12/3/2008	<0.0025	
4/7/2009	<0.0025	
10/1/2009	<0.0025	
4/14/2010	<0.0025	
10/14/2010	<0.0025	
4/5/2011	<0.0025	
10/12/2011	<0.0025	
4/4/2012	<0.0025	
9/24/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/5/2014	<0.0025	
9/9/2014	<0.0025	
4/21/2015	<0.0025	
9/29/2015	<0.0025	
3/23/2016	<0.0025	
5/17/2016	<0.0025	
7/6/2016	<0.0025	
9/7/2016	<0.0025	
10/18/2016	<0.0025	
12/8/2016	<0.0025	
2/1/2017	<0.0025	
3/23/2017	<0.0025	
10/4/2017	<0.0025	
3/16/2018	<0.0025	
10/4/2018	<0.0025	
4/9/2019		<0.0025
10/1/2019		<0.0025
3/31/2020		<0.0025
9/25/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.0025	
12/2/2008	<0.0025	
4/8/2009	0.0013	
10/1/2009	<0.0025	
4/13/2010	<0.0025	
10/7/2010	<0.0025	
4/5/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.0025	
9/18/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/5/2014	<0.0025	
9/8/2014	<0.0025	
4/21/2015	0.0015	
9/29/2015	<0.0025	
3/23/2016	<0.0025	
5/18/2016	<0.0025	
7/6/2016	<0.0025	
9/7/2016	<0.0025	
10/18/2016	<0.0025	
12/8/2016	<0.0025	
2/2/2017	0.0001 (J)	
3/24/2017	<0.0025	
10/4/2017	<0.0025	
3/15/2018	<0.0025	
10/4/2018	<0.0025	
4/8/2019		<0.0025
10/1/2019		<0.0025
3/30/2020		<0.0025
9/24/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-8	GWC-8
5/9/2007	<0.0025	
7/6/2007	<0.0025	
8/28/2007	<0.0025	
11/6/2007	<0.0025	
5/8/2008	<0.0025	
12/2/2008	<0.0025	
4/8/2009	<0.0025	
9/30/2009	<0.0025	
4/13/2010	<0.0025	
10/13/2010	<0.0025	
4/5/2011	<0.0025	
10/4/2011	<0.0025	
4/3/2012	<0.0025	
9/19/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/5/2014	<0.0025	
9/9/2014	<0.0025	
4/22/2015	<0.0025	
9/29/2015	<0.0025	
3/23/2016	<0.0025	
5/18/2016	<0.0025	
7/6/2016	<0.0025	
9/8/2016	<0.0025	
10/18/2016	<0.0025	
12/8/2016	<0.0025	
2/2/2017	8E-05 (J)	
3/24/2017	<0.0025	
10/5/2017	<0.0025	
3/14/2018	<0.0025	
10/4/2018	<0.0025	
4/8/2019		<0.0025
10/1/2019		<0.0025
3/27/2020		<0.0025
9/24/2020		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.0025	
5/8/2007	<0.0025	
7/6/2007	<0.0025	
8/28/2007	<0.0025	
11/6/2007	<0.0025	
5/8/2008	<0.0025	
12/2/2008	<0.0025	
4/8/2009	<0.0025	
9/30/2009	<0.0025	
4/13/2010	<0.0025	
10/13/2010	<0.0025	
4/5/2011	<0.0025	
10/4/2011	<0.0025	
4/4/2012	<0.0025	
9/19/2012	<0.0025	
3/12/2013	<0.0025	
9/10/2013	<0.0025	
3/5/2014	<0.0025	
9/3/2014	<0.0025	
4/21/2015	0.00029 (J)	
9/29/2015	<0.0025	
3/23/2016	<0.0025	
5/18/2016	<0.0025	
7/6/2016	<0.0025	
9/8/2016	<0.0025	
10/19/2016	<0.0025	
12/8/2016	<0.0025	
2/2/2017	8E-05 (J)	
3/27/2017	<0.0025	
10/5/2017	<0.0025	
3/15/2018	<0.0025	
10/5/2018	<0.0025	
4/8/2019		<0.0025
10/1/2019		<0.0025
3/27/2020		<0.0025
9/24/2020		<0.0025

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	0.00032 (J)	
9/3/2014	<0.01	
4/21/2015	<0.01	
9/30/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/5/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	<0.01	
1/31/2017	<0.01	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/14/2018	0.016	
10/4/2018	<0.01	
4/8/2019		<0.01
9/30/2019		<0.01
3/26/2020		<0.01
9/23/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	0.0013	
11/7/2007	0.0024	
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	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	0.0018 (J)	
2/1/2017	<0.01	
3/24/2017	<0.01	
10/5/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
9/30/2019		<0.01
3/26/2020		<0.01
9/22/2020		<0.01



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.01	
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	
4/13/2010	<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	<0.01	
9/3/2014	<0.01	
4/22/2015	<0.01	
9/30/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/5/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/7/2016	<0.01	
1/31/2017	<0.01	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/14/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
9/30/2019		<0.01
3/26/2020		0.00043 (J)
9/21/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.01	
8/28/2007	<0.01	
11/6/2007	0.0014	
5/8/2008	<0.01	
12/3/2008	<0.01	
4/7/2009	<0.01	
10/2/2009	<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	
9/26/2012	<0.01	
3/12/2013	<0.01	
9/10/2013	<0.01	
3/11/2014	<0.01	
9/8/2014	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/5/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	<0.01	
2/1/2017	<0.01	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/5/2019		<0.01
9/30/2019		<0.01
3/26/2020		0.00062 (J)
9/23/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.01	
5/8/2007	<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	
10/2/2009	<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	
3/11/2014	<0.01	
9/8/2014	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	<0.01	
2/1/2017	<0.01	
3/24/2017	0.0004 (J)	
10/4/2017	<0.01	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
9/30/2019		<0.01
3/26/2020		0.0013 (J)
9/23/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.01	
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	<0.01	
9/3/2014	<0.01	
4/21/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
5/17/2016	0.00424 (J)	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	0.0013 (J)	
2/2/2017	0.001 (J)	
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
3/27/2020		<0.01
9/25/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
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	<0.01	
9/3/2014	<0.01	
4/22/2015	<0.01	
9/30/2015	<0.01	
3/24/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/8/2016	<0.01	
2/2/2017	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/16/2018	<0.01	
10/5/2018	<0.01	
4/9/2019		<0.01
10/1/2019		0.00086 (J)
3/30/2020		0.00071 (J)
9/24/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
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	<0.01	
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	<0.01	
9/9/2014	<0.01	
4/22/2015	<0.01	
9/30/2015	<0.01	
3/24/2016	<0.01	
5/18/2016	<0.01	
7/6/2016	<0.01	
9/8/2016	<0.01	
10/18/2016	<0.01	
12/7/2016	<0.01	
2/2/2017	<0.01	
3/27/2017	<0.01	
10/5/2017	0.0012 (J)	
3/15/2018	<0.01	
10/4/2018	<0.01	
4/9/2019		<0.01
10/1/2019		<0.01
3/31/2020		0.00042 (J)
9/28/2020		0.00063 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	0.0016	
11/7/2007	0.0016	
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	<0.01	
9/9/2014	<0.01	
4/23/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	0.0064 (J)	
12/7/2016	<0.01	
2/3/2017	<0.01	
3/27/2017	<0.01	
10/5/2017	<0.01	
3/16/2018	<0.01	
10/5/2018	<0.01	
4/9/2019		<0.01
10/1/2019		<0.01
3/31/2020		<0.01
9/23/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	0.0015	
9/30/2015	<0.01	
3/24/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/7/2016	<0.01	
2/2/2017	<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		0.00093 (J)
9/24/2020		<0.01



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
3/6/2007	<0.01	
5/9/2007	0.002	
7/17/2007	<0.01	
8/29/2007	<0.01	
11/7/2007	0.0013	
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	<0.01	
9/9/2014	<0.01	
4/23/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/7/2016	<0.01	
2/2/2017	<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		0.0023 (J)
10/1/2019		<0.01
3/31/2020		0.0015 (J)
9/23/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-23	GWC-23
3/6/2007	<0.01	
5/9/2007	0.0013	
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	
5/19/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/7/2016	<0.01	
2/3/2017	<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		0.0051 (J)
3/26/2020		<0.01
9/23/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/8/2016	<0.01	
2/1/2017	<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		0.0012 (J)
3/31/2020		<0.01
9/25/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.01	
9/8/2014	<0.01	
4/22/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/8/2016	<0.01	
2/1/2017	<0.01	
3/23/2017	<0.01	
10/4/2017	<0.01	
3/16/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
10/1/2019		<0.01
3/31/2020		0.00085 (J)
9/25/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.01	
5/8/2008	<0.01	
12/2/2008	<0.01	
4/8/2009	<0.01	
10/1/2009	0.0016	
4/13/2010	<0.01	
10/7/2010	<0.01	
4/5/2011	<0.01	
10/4/2011	0.0018	
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	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
5/18/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/8/2016	<0.01	
2/2/2017	<0.01	
3/24/2017	0.0011 (J)	
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		0.00041 (J)
9/24/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	0.0035	
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	0.0017	
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	0.0005 (J)	
3/14/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		<0.01
10/1/2019		0.0005 (J)
3/27/2020		<0.01
9/24/2020		<0.01

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-9	GWC-9
3/7/2007	<0.01	
5/8/2007	0.0013	
7/6/2007	<0.01	
8/28/2007	0.0014	
11/6/2007	0.0024	
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	<0.01	
9/3/2014	<0.01	
4/21/2015	<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	
10/19/2016	<0.01	
12/8/2016	<0.01	
2/2/2017	<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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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)



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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)



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	7E-05 (J)	
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

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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		5.4E-05 (J)
9/25/2020		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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		<0.005
3/30/2020		<0.005
9/24/2020		4E-05 (J)



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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	0.0002 (J)	
3/15/2018	<0.005	
10/4/2018	<0.005	
4/9/2019		<0.005
10/1/2019		<0.005
3/31/2020		6.1E-05 (J)
9/28/2020		0.00014 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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	<0.005	
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	
2/3/2017	<0.005	
3/27/2017	7E-05 (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

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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		0.00039 (J)
10/1/2019		6.5E-05 (J)
3/31/2020		<0.005
9/25/2020		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	0.0001 (J)	
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		<0.005
9/25/2020		<0.005

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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)



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	
5/18/2016	<0.005	
7/6/2016	<0.005	
9/8/2016	<0.005	
10/18/2016	<0.005	
12/8/2016	0.0002 (J)	
2/2/2017	<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		<0.005
3/27/2020		<0.005
9/24/2020		4.9E-05 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.01	
5/8/2007	<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	
10/2/2009	<0.01	
4/14/2010	<0.01	
10/14/2010	<0.01	
4/5/2011	0.0032	
10/12/2011	<0.01	
4/4/2012	<0.01	
9/24/2012	0.0032	
3/12/2013	<0.01	
9/10/2013	<0.01	
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	<0.01	
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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-18	GWC-18
3/7/2007	<0.01	
5/9/2007	<0.01	
7/17/2007	<0.01	
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	0.0013 (J)	
9/3/2014	<0.01	
4/22/2015	<0.01	
9/30/2015	<0.01	
3/24/2016	<0.01	
9/8/2016	0.0009 (J)	
3/27/2017	0.0006 (J)	
10/5/2017	0.0008 (J)	
3/16/2018	<0.01	
10/5/2018	<0.01	
4/9/2019		<0.01
10/1/2019		0.0015 (J)
3/30/2020		0.00048 (J)
9/24/2020		0.0011 (J)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	0.0016 (J)	
9/3/2014	<0.01	
4/23/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
9/8/2016	0.0011 (J)	
3/27/2017	0.0007 (J)	
10/5/2017	<0.01	
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)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	0.001 (J)	
9/9/2014	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
9/7/2016	<0.01	
3/23/2017	0.0008 (J)	
10/4/2017	<0.01	
3/16/2018	<0.01	
10/4/2018	<0.01	
4/9/2019		0.00098 (J)
10/1/2019		0.00088 (J)
3/31/2020		0.0013 (J)
9/25/2020		0.00078 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	0.00079 (J)	
9/9/2014	<0.01	
4/22/2015	<0.01	
9/29/2015	<0.01	
3/23/2016	<0.01	
9/8/2016	<0.01	
3/24/2017	<0.01	
10/5/2017	<0.01	
3/14/2018	<0.01	
10/4/2018	<0.01	
4/8/2019		0.00064 (J)
10/1/2019		0.00063 (J)
3/27/2020		0.00053 (J)
9/24/2020		0.001 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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)

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-4	GWA-4
3/6/2007	<0.01	
5/8/2007	<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	
10/2/2009	<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	
3/11/2014	<0.01	
9/8/2014	<0.01	
4/21/2015	<0.01	
9/29/2015	<0.01	
3/22/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	<0.01	
2/1/2017	<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		0.00014 (J)
9/30/2019		<0.01
3/26/2020		<0.01
9/23/2020		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.01	
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	0.0016 (J)	
9/3/2014	<0.01	
4/21/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
5/17/2016	<0.01	
7/6/2016	<0.01	
9/7/2016	<0.01	
10/18/2016	<0.01	
12/6/2016	<0.01	
2/2/2017	<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
3/27/2020		<0.01
9/25/2020		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	0.0024 (J)	
9/9/2014	<0.01	
9/30/2015	<0.01	
3/24/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/7/2016	<0.01	
2/2/2017	0.0017 (J)	
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

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-22	GWC-22
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	
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	0.0017 (J)	
9/9/2014	<0.01	
4/23/2015	<0.01	
9/30/2015	<0.01	
3/23/2016	<0.01	
5/18/2016	<0.01	
7/7/2016	<0.01	
9/8/2016	<0.01	
10/19/2016	<0.01	
12/7/2016	<0.01	
2/2/2017	<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		0.0014 (J)
3/31/2020		<0.01
9/23/2020		<0.01

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.01	
3/5/2014	0.0018 (J)	
9/3/2014	<0.01	
4/21/2015	<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	
10/19/2016	<0.01	
12/8/2016	<0.01	
2/2/2017	<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

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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



# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1	GWA-1
3/6/2007	<0.02	
5/8/2007	<0.02	
7/7/2007	<0.02	
8/28/2007	<0.02	
11/6/2007	<0.02	
5/9/2008	<0.02	
12/3/2008	<0.02	
4/7/2009	0.0028	
10/1/2009	<0.02	
4/14/2010	<0.02	
10/13/2010	<0.02	
4/6/2011	<0.02	
10/10/2011	<0.02	
4/3/2012	<0.02	
9/24/2012	<0.02	
3/12/2013	<0.02	
9/11/2013	<0.02	
3/4/2014	0.0026	
9/3/2014	0.001 (J)	
4/21/2015	<0.02	
9/30/2015	<0.02	
3/22/2016	<0.02	
9/7/2016	0.0047 (J)	
3/23/2017	<0.02	
10/4/2017	<0.02	
3/14/2018	0.0032 (J)	
10/4/2018	0.003 (J)	
4/8/2019		<0.02
9/30/2019		0.0032 (J)
3/26/2020		<0.02
9/23/2020		0.0025 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWC-19	GWC-19
3/6/2007	<0.02	
5/9/2007	0.0025	
7/17/2007	0.0035	
8/28/2007	<0.02	
11/7/2007	<0.02	
5/7/2008	<0.02	
12/4/2008	<0.02	
4/14/2009	<0.02	
10/2/2009	<0.02	
4/13/2010	0.0043	
10/12/2010	<0.02	
4/6/2011	<0.02	
10/12/2011	<0.02	
4/5/2012	<0.02	
9/25/2012	<0.02	
3/13/2013	<0.02	
9/11/2013	<0.02	
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	<0.02	
9/8/2016	0.0029 (J)	
3/27/2017	0.0019 (J)	
10/5/2017	0.0024 (J)	
3/15/2018	<0.02	
10/4/2018	0.013	
4/9/2019		<0.02
10/1/2019		0.0049 (J)
3/31/2020		<0.02
9/28/2020		0.0033 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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)



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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	<0.02	
5/7/2008	<0.02	
12/5/2008	<0.02	
4/14/2009	<0.02	
10/1/2009	<0.02	
4/14/2010	<0.02	
10/13/2010	<0.02	
4/6/2011	<0.02	
10/12/2011	<0.02	
4/9/2012	<0.02	
9/19/2012	<0.02	
3/13/2013	<0.02	
9/10/2013	<0.02	
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	<0.02	
9/8/2016	<0.02	
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		<0.02
9/23/2020		0.0022 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State

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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 10/28/2020 3:14 PM View: PL's State  
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

FIGURE E.



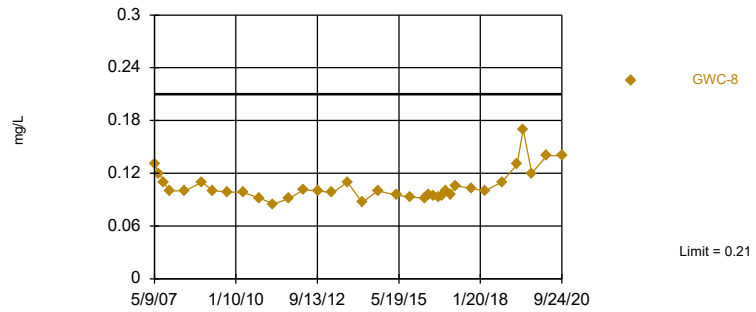
# State Interwell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/26/2020, 3:32 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	9/24/2020	0.14	No	180	n/a	n/a	0	n/a	n/a	0.00006049	NP Inter (normality) 1 of 2

Within Limit

### Prediction Limit Interwell Non-parametric



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/26/2020 3:32 PM View: Interwell PL State

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
3/6/2007	0.032	0.13	0.17	0.12		
3/7/2007					0.03	
5/8/2007	0.04	0.12	0.21	0.11	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	0.2	0.13	0.03	0.11
11/6/2007	0.044	0.12	0.19	0.12		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	0.18	0.12		
4/7/2009	0.032	0.097	0.2	0.13		
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	0.17	0.16	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	0.188	0.197	0.0327	
3/23/2016						0.0918

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 10/26/2020 3:32 PM View: Interwell PL State  
 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
5/17/2016	0.0387	0.0351	0.193	0.178	0.0323	
5/18/2016						0.0957
7/5/2016	0.0403		0.172	0.182		
7/6/2016		0.0475			0.0344	0.0935
9/7/2016	0.0413	0.0415	0.164	0.172	0.0324	
9/8/2016						0.0925
10/18/2016	0.0409	0.0424	0.138	0.174	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		0.143	0.157		
3/24/2017		0.0595			0.032	0.106
10/4/2017	0.0396	0.0486	0.139	0.143		
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	0.16	0.18	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	0.14	0.17	0.03	
10/1/2019						0.12
3/26/2020	0.032	0.049	0.14	0.16	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

FIGURE F.

# State Trend Test Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/26/2020, 3:31 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)	0.003982	344	191	Yes	36	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	-0.004581	-358	-191	Yes	36	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	-0.003281	-234	-191	Yes	36	0	n/a	n/a	0.01	NP

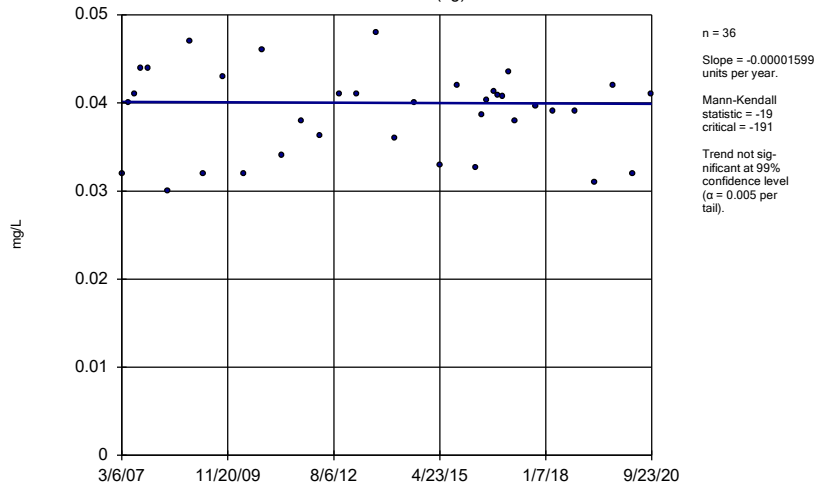
# State Trend Test Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/26/2020, 3:31 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.00001599	-19	-191	No	36	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-11 (bg)	-0.0001584	-115	-191	No	36	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>0.003982</b>	<b>344</b>	<b>191</b>	<b>Yes</b>	<b>36</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>-0.004581</b>	<b>-358</b>	<b>-191</b>	<b>Yes</b>	<b>36</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>-0.003281</b>	<b>-234</b>	<b>-191</b>	<b>Yes</b>	<b>36</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Barium (mg/L)	GWC-8	0.0005426	79	191	No	36	0	n/a	n/a	0.01	NP

### Sen's Slope Estimator

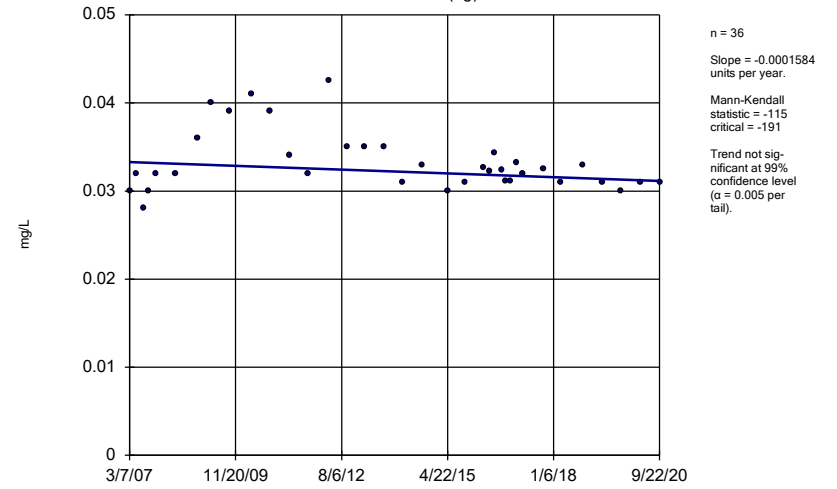
GWA-1 (bg)



Constituent: Barium Analysis Run 10/26/2020 3:29 PM View: Trend Tests - State PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

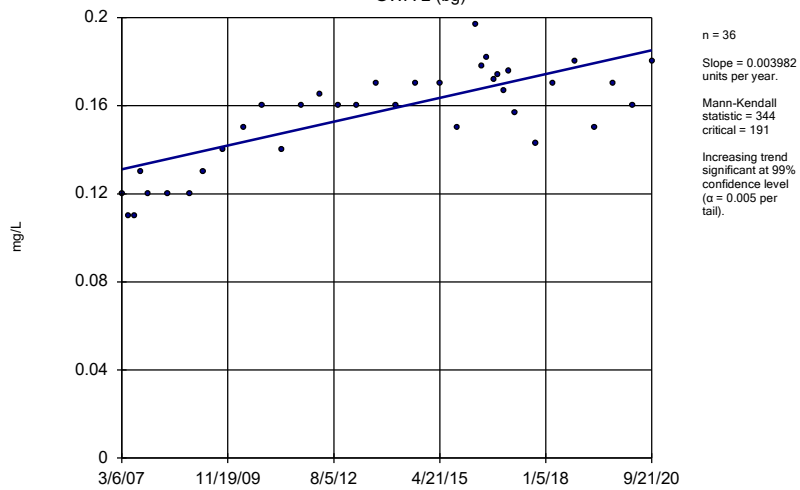
GWA-11 (bg)



Constituent: Barium Analysis Run 10/26/2020 3:29 PM View: Trend Tests - State PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

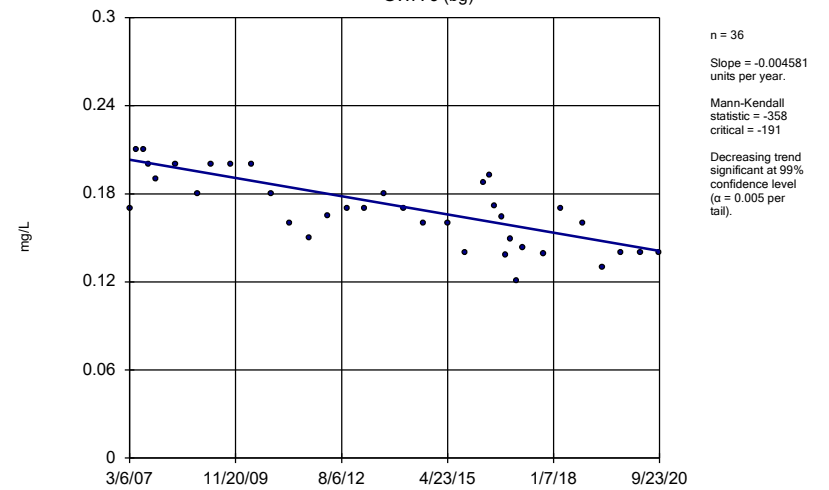
GWA-2 (bg)



Constituent: Barium Analysis Run 10/26/2020 3:29 PM View: Trend Tests - State PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWA-3 (bg)

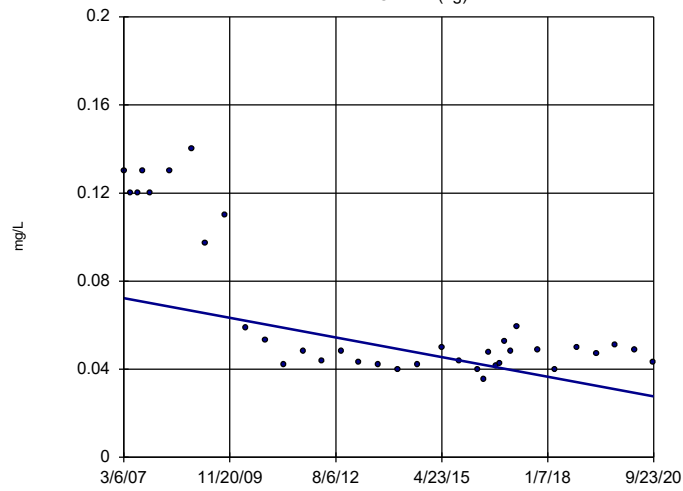


Constituent: Barium Analysis Run 10/26/2020 3:29 PM View: Trend Tests - State PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



### Sen's Slope Estimator

GWA-4 (bg)

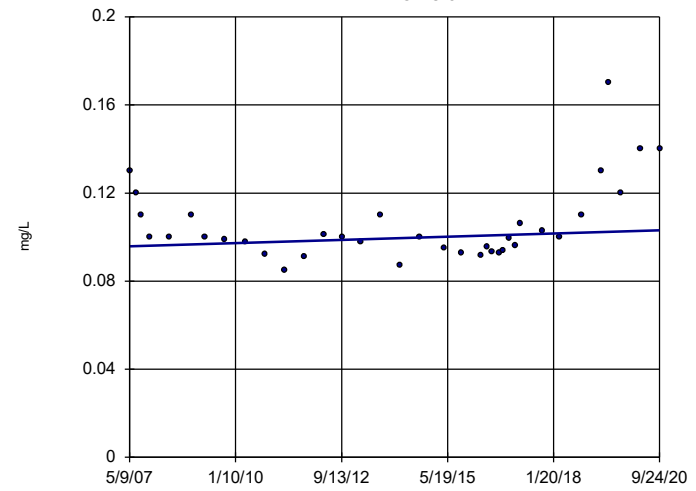


n = 36  
Slope = -0.003281  
units per year.  
Mann-Kendall  
statistic = -234  
critical = -191  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Barium Analysis Run 10/26/2020 3:29 PM View: Trend Tests - State PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWC-8



n = 36  
Slope = 0.0005426  
units per year.  
Mann-Kendall  
statistic = 79  
critical = 191  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Barium Analysis Run 10/26/2020 3:29 PM View: Trend Tests - State PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

FIGURE G.

# Federal Intrawell Prediction Limit Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/28/2020, 3:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWA-1	1.55	n/a	9/23/2020	1.6	Yes	13	1.179	0.1409	0	None	No	0.0006269	Param Intra 1 of 2
pH (SU)	GWC-19	7.732	7.179	9/28/2020	7.78	Yes	13	7.455	0.1052	0	None	No	0.0003135	Param Intra 1 of 2
Sulfate (mg/L)	GWA-1	5.454	n/a	9/23/2020	6.6	Yes	13	4.79	0.2524	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-20	58.56	n/a	9/23/2020	58.9	Yes	18	35.78	9.504	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/28/2020, 3:00 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	9/23/2020	0.047J	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	9/22/2020	0.038J	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	9/21/2020	0.086J	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	9/23/2020	0.15	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	9/23/2020	0.087J	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	9/25/2020	0.036J	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	9/24/2020	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	9/28/2020	0.17	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	9/23/2020	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	9/24/2020	0.061J	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	9/23/2020	0.061J	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	9/23/2020	0.024J	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	9/25/2020	0.08J	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	9/25/2020	0.047J	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	9/24/2020	0.045J	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	9/24/2020	0.055J	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	9/24/2020	0.016J	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	9/23/2020	17.6	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	9/22/2020	19.5	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	9/21/2020	45.8	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	9/23/2020	76.2	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	9/23/2020	74.9	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	9/25/2020	39.4	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	9/24/2020	36.9	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	9/28/2020	44.7	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	9/23/2020	55.8	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	9/24/2020	73.4	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	9/23/2020	45.9	No	13	47.68	1.891	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-23	45.95	n/a	9/23/2020	39.2	No	13	36.75	3.5	0	None	No	0.0006269	Param Intra 1 of 2
Calcium (mg/L)	GWC-5	90.26	n/a	9/25/2020	77.1	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	9/25/2020	71.3	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	9/24/2020	39.5	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	9/24/2020	81.4	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	9/24/2020	35.9	No	13	35.16	1.751	0	None	No	0.0006269	Param Intra 1 of 2
<b>Chloride (mg/L)</b>	<b>GWA-1</b>	<b>1.55</b>	<b>n/a</b>	<b>9/23/2020</b>	<b>1.6</b>	<b>Yes</b>	<b>13</b>	<b>1.179</b>	<b>0.1409</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0006269</b>	<b>Param Intra 1 of 2</b>
Chloride (mg/L)	GWA-11	2.158	n/a	9/22/2020	1	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	9/21/2020	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	9/23/2020	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	9/23/2020	4.2	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	9/25/2020	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	9/24/2020	0.94J	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	9/28/2020	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	9/23/2020	1.1	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	9/24/2020	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	9/23/2020	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	9/23/2020	1.1	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	9/25/2020	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	9/25/2020	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	9/24/2020	1.4	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	9/24/2020	2.2	No	15	1.936	0.545	0	None	No	0.0006269	Param Intra 1 of 2

# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/28/2020, 3:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chloride (mg/L)	GWC-9	1.823	n/a	9/24/2020	0.82J	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	9/23/2020	0.089J	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	9/22/2020	0.061J	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	9/21/2020	0.12	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	9/23/2020	0.11	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	9/23/2020	0.13	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	9/25/2020	0.085J	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	9/24/2020	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	9/28/2020	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	9/23/2020	0.065J	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	9/24/2020	0.1	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	9/23/2020	0.073J	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	9/23/2020	0.088J	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	9/25/2020	0.058J	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	9/25/2020	0.063J	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	9/24/2020	0.14	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	9/24/2020	0.15	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	9/24/2020	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	9/23/2020	6.98	No	13	6.938	0.1807	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-11	7.075	6.309	9/22/2020	6.8	No	13	6.692	0.1457	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-2	7.273	6.46	9/21/2020	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	9/23/2020	6.87	No	13	6.732	0.1922	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWA-4	7.246	6.263	9/23/2020	6.81	No	13	6.755	0.1869	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-10	7.697	6.845	9/25/2020	7.28	No	13	7.271	0.162	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-18	7.781	7.39	9/24/2020	7.62	No	13	7.585	0.07423	0	None	No	0.0003135	Param Intra 1 of 2
<b>pH (SU)</b>	<b>GWC-19</b>	<b>7.732</b>	<b>7.179</b>	<b>9/28/2020</b>	<b>7.78</b>	<b>Yes</b>	<b>13</b>	<b>7.455</b>	<b>0.1052</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003135</b>	<b>Param Intra 1 of 2</b>
pH (SU)	GWC-20	7.588	6.958	9/23/2020	7.11	No	15	7.273	0.1253	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-21	7.759	5.557	9/24/2020	7.12	No	13	6.658	0.4189	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-22	7.968	7.278	9/23/2020	7.42	No	14	7.623	0.1341	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-23	7.564	6.735	9/23/2020	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	9/25/2020	6.82	No	13	6.818	0.1788	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-6	7.369	6.632	9/25/2020	6.96	No	13	7.001	0.1401	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-7	6.623	5.502	9/24/2020	6.32	No	13	6.062	0.2132	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-8	7.808	6.743	9/24/2020	6.96	No	15	7.275	0.2119	0	None	No	0.0003135	Param Intra 1 of 2
pH (SU)	GWC-9	7.362	6.212	9/24/2020	6.75	No	13	6.787	0.2186	0	None	No	0.0003135	Param Intra 1 of 2
<b>Sulfate (mg/L)</b>	<b>GWA-1</b>	<b>5.454</b>	<b>n/a</b>	<b>9/23/2020</b>	<b>6.6</b>	<b>Yes</b>	<b>13</b>	<b>4.79</b>	<b>0.2524</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-11	15.5	n/a	9/22/2020	9.8	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	9/21/2020	18.2	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	9/23/2020	95.6	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	9/23/2020	123	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	9/25/2020	11.6	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	9/24/2020	8.5	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	9/28/2020	15.8	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>9/23/2020</b>	<b>58.9</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	9/24/2020	37.6	No	13	30.96	10.01	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-22	14	n/a	9/23/2020	5	No	13	7.792	2.363	0	None	No	0.0006269	Param Intra 1 of 2
Sulfate (mg/L)	GWC-23	43	n/a	9/23/2020	5.3	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	9/25/2020	80.7	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	9/25/2020	110	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	9/24/2020	120	No	13	114.7	28.53	0	None	No	0.0006269	Param Intra 1 of 2

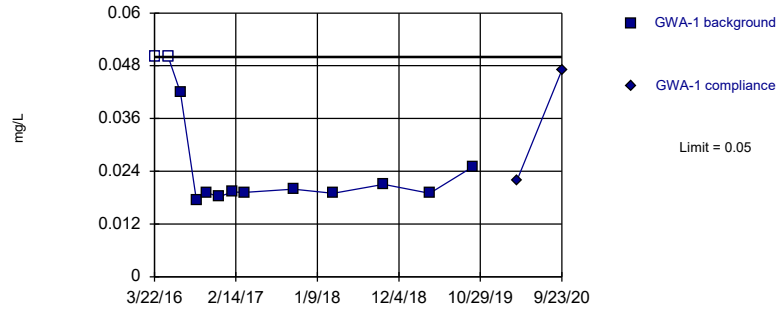
# Federal Intrawell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/28/2020, 3:00 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate (mg/L)	GWC-8	62.67	n/a	9/24/2020	48.3	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	9/24/2020	69.9	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	9/23/2020	117	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	9/22/2020	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	9/21/2020	204	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	9/23/2020	473	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	9/23/2020	421	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	9/25/2020	153	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	9/24/2020	181	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	9/28/2020	214	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	9/23/2020	277	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	9/24/2020	286	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	9/23/2020	231	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	9/23/2020	186	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	9/25/2020	367	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	9/25/2020	345	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	9/24/2020	254	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	9/24/2020	307	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	9/24/2020	179	No	13	235.2	34.54	0	None	No	0.0006269	Param Intra 1 of 2

Within Limit

Prediction Limit  
 Intrawell Non-parametric

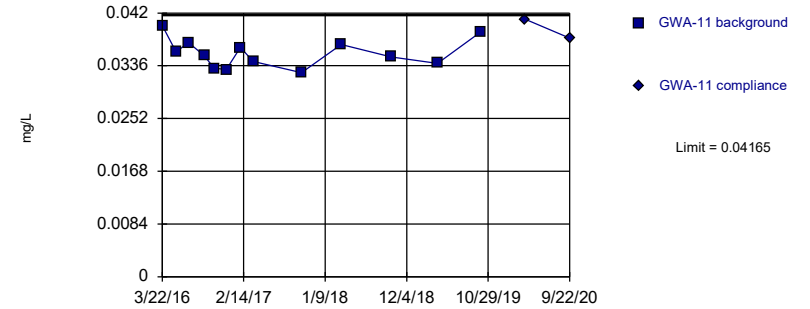


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 15.38% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

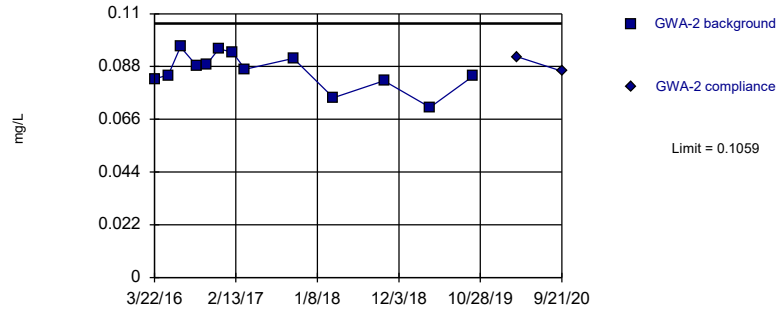


Background Data Summary: Mean=0.0356, Std. Dev.=0.002301, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9579, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

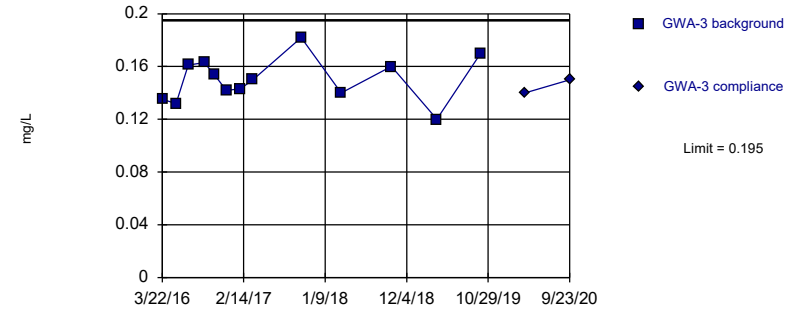


Background Data Summary: Mean=0.08618, Std. Dev.=0.007513, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.951, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

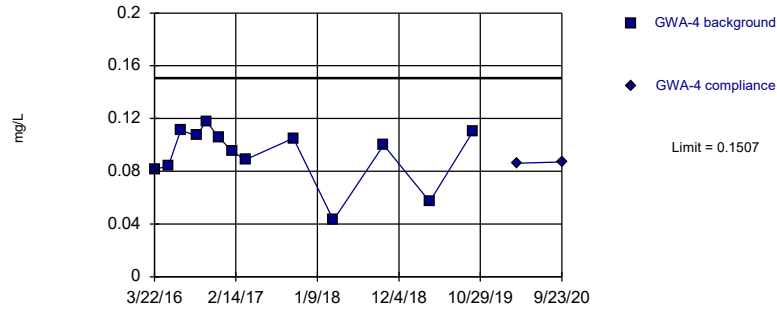


Background Data Summary: Mean=0.1502, Std. Dev.=0.01706, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9892, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

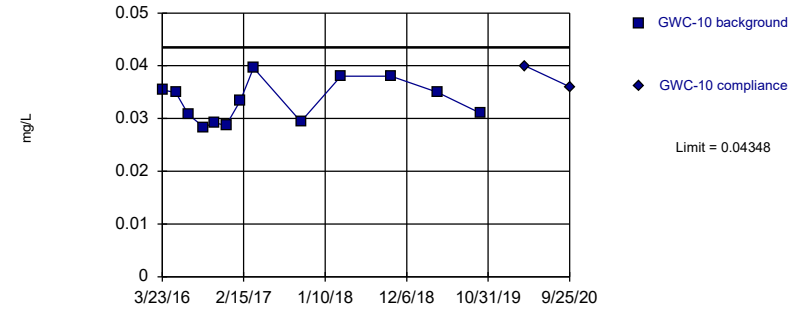


Background Data Summary: Mean=0.09276, Std. Dev.=0.02204, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8751, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

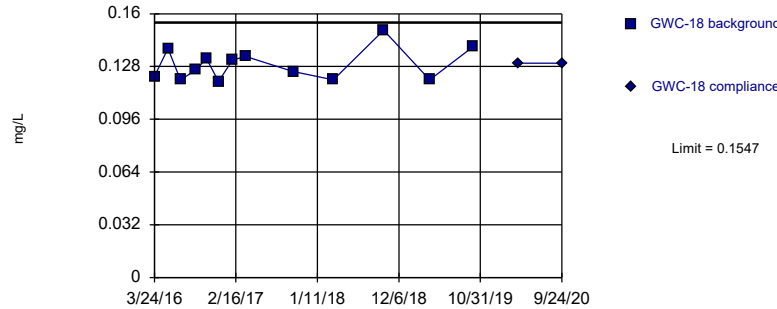


Background Data Summary: Mean=0.03321, Std. Dev.=0.003909, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.917, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

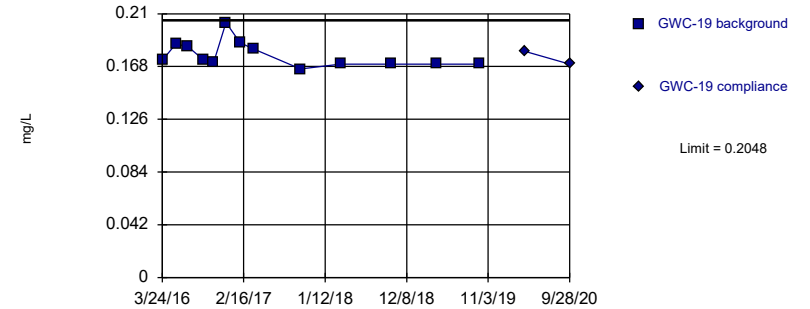


Background Data Summary: Mean=0.1292, Std. Dev.=0.009697, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8975, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric



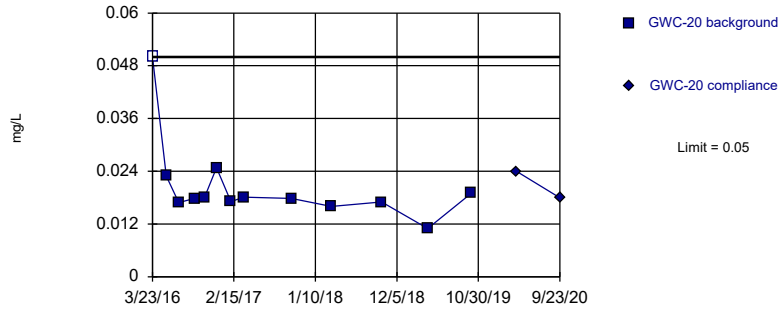
Background Data Summary: Mean=0.1773, Std. Dev.=0.01047, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8362, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
 Intrawell Non-parametric

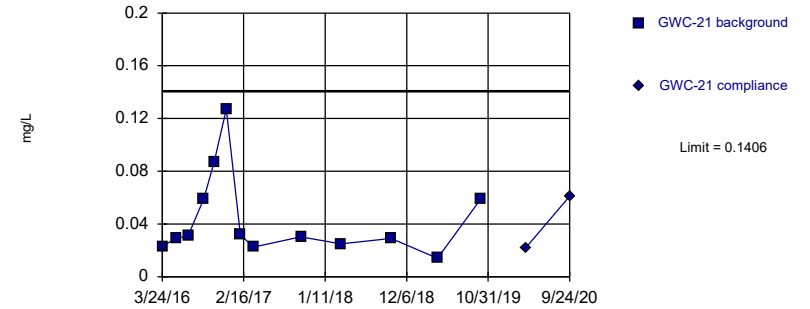


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 7.692% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

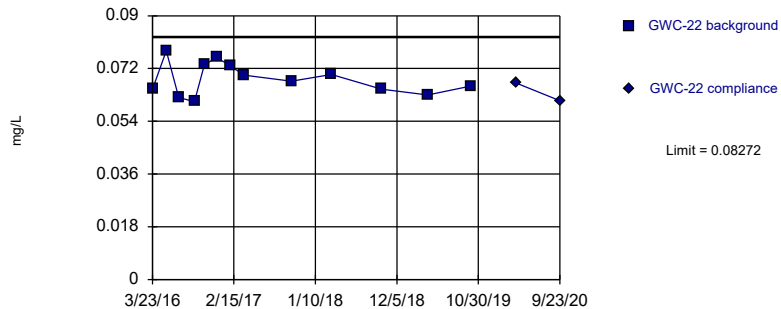


Background Data Summary (based on square root transformation): Mean=0.199, Std. Dev.=0.06698, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8469, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

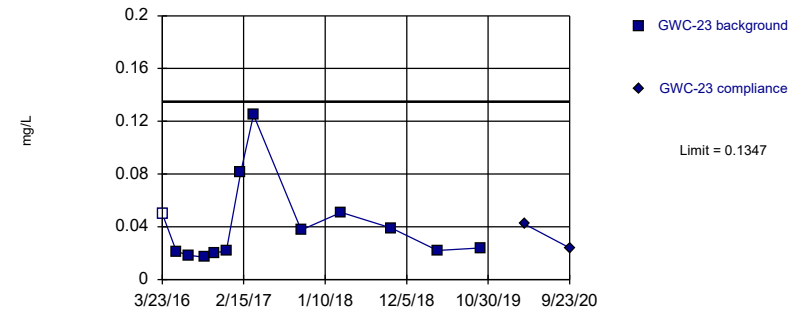


Background Data Summary: Mean=0.06841, Std. Dev.=0.005445, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9602, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

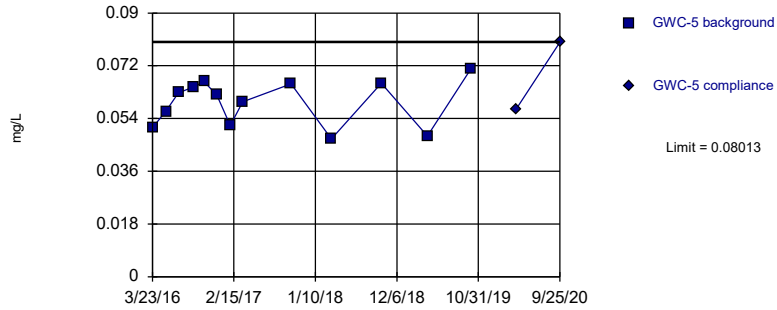


Background Data Summary (based on square root transformation): Mean=0.191, Std. Dev.=0.067, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8251, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

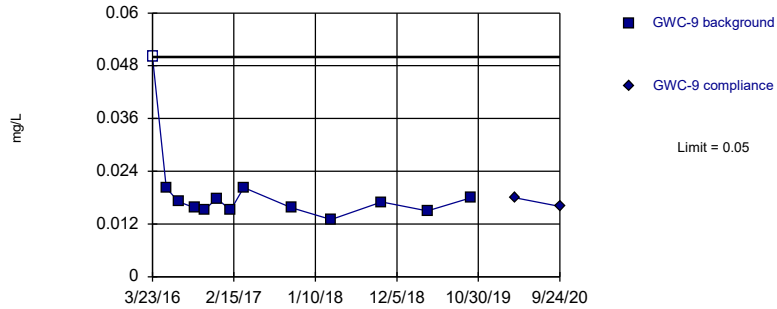
Within Limit

### Prediction Limit Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Non-parametric

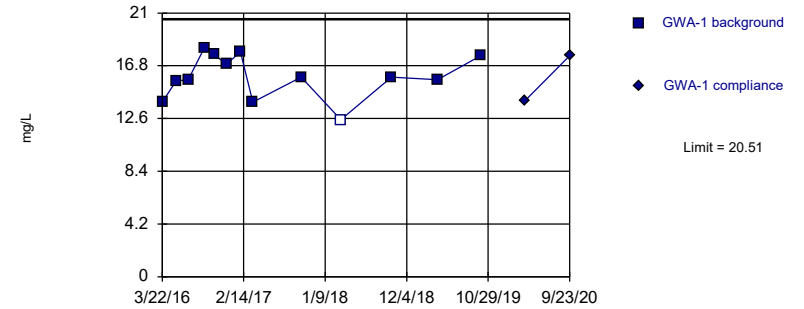


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. 7.692% NDs. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Boron Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

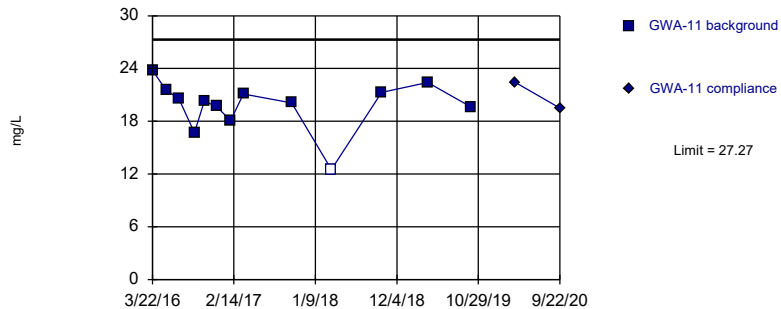


Background Data Summary: Mean=15.95, Std. Dev.=1.735, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9268, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

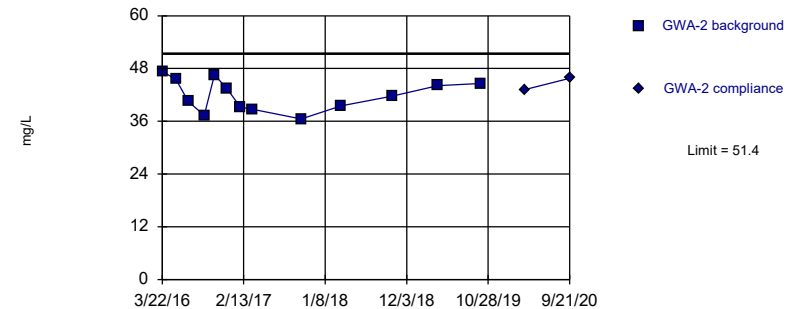


Background Data Summary: Mean=19.82, Std. Dev.=2.834, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.886, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 10/28/2020 2:51 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

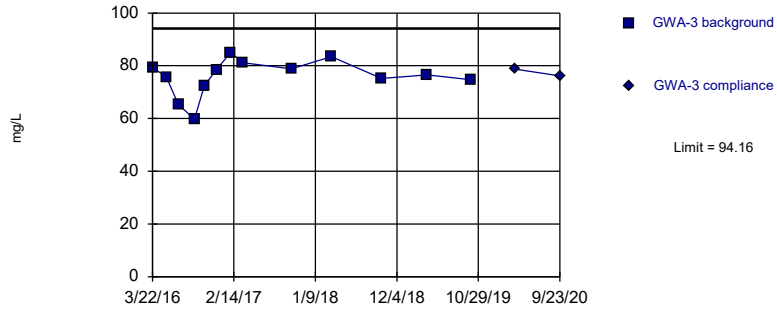
Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:51 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

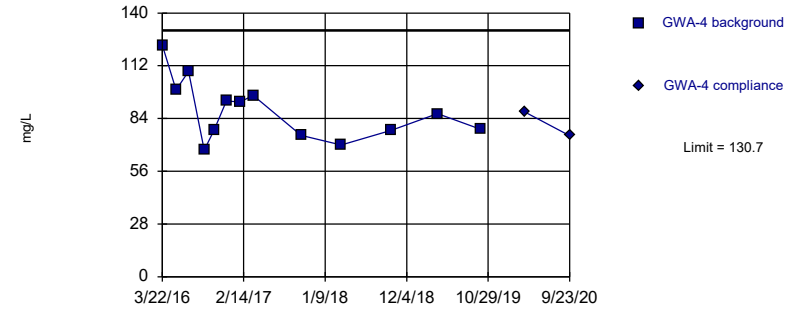
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

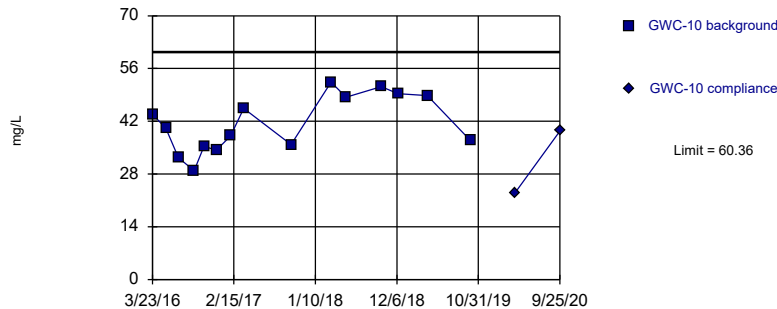
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

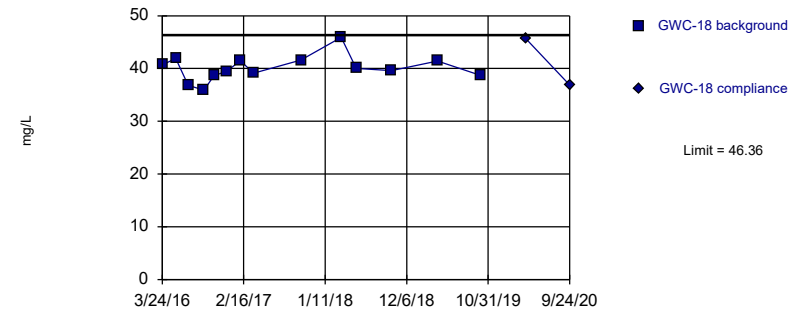
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric

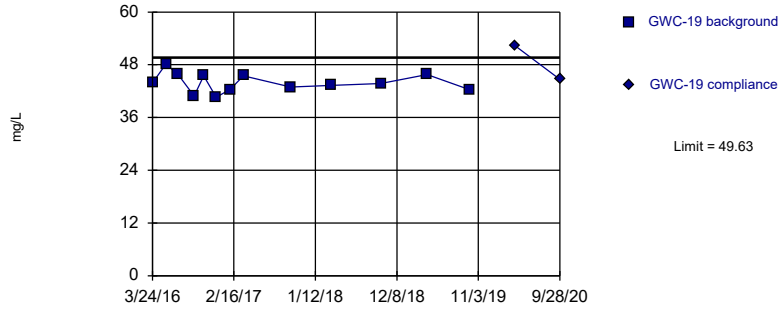


Background Data Summary: Mean=40.09, Std. Dev.=2.439, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9453, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

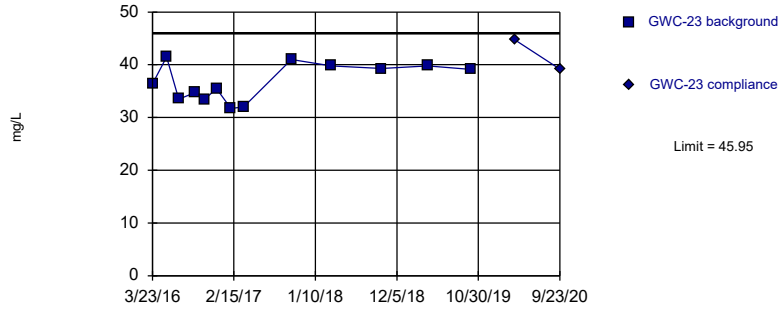
Within Limit

Prediction Limit  
Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Parametric

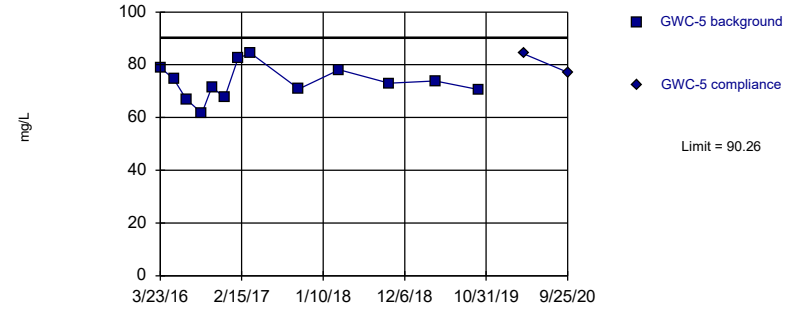


Background Data Summary: Mean=36.75, Std. Dev.=3.5, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9096, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Calcium Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

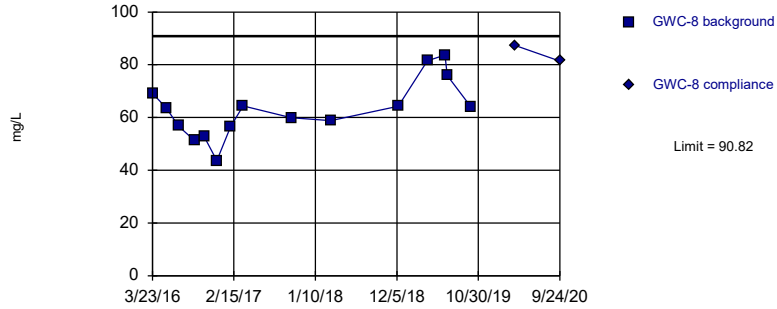
Within Limit

Prediction Limit  
Intrawell Parametric

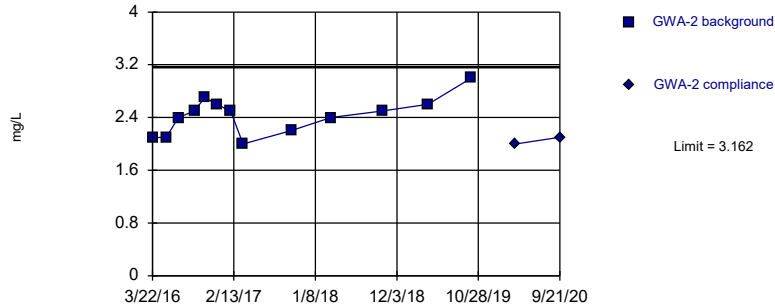


Within Limit

Prediction Limit  
Intrawell Parametric



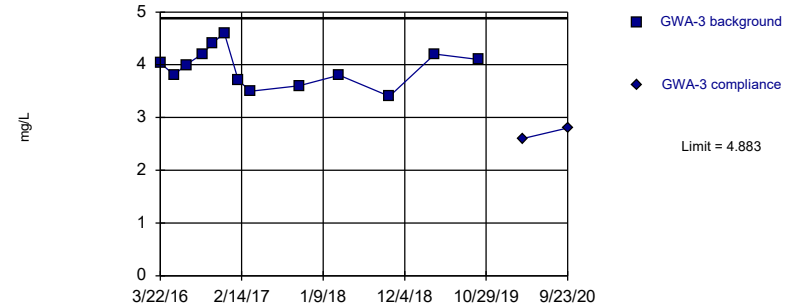
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

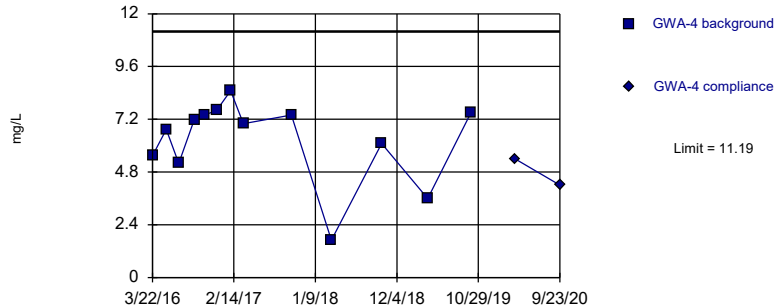
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

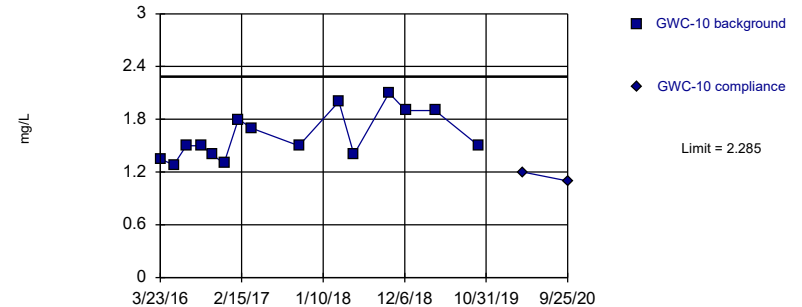
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric



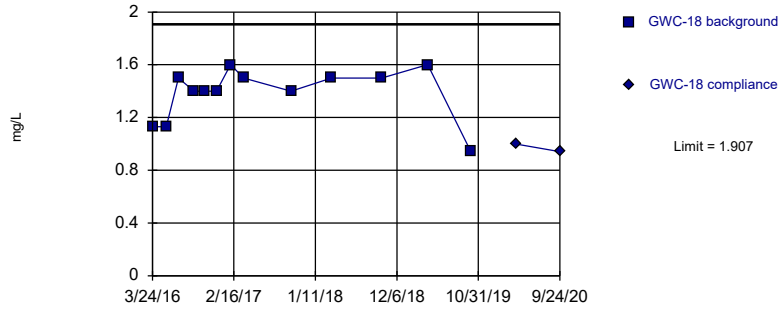
Background Data Summary: Mean=1.609, Std. Dev.=0.269, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9026, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

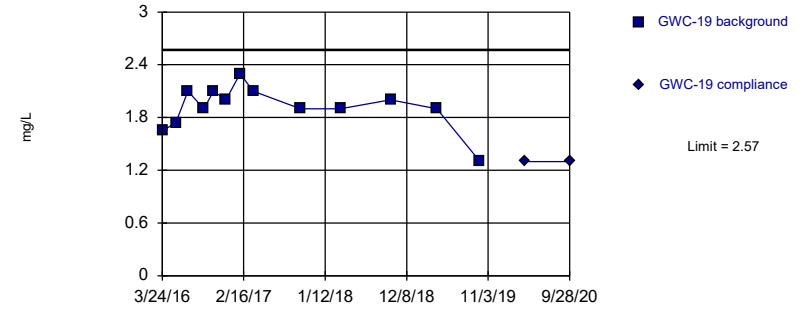


Background Data Summary: Mean=1.385, Std. Dev.=0.1987, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8442, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

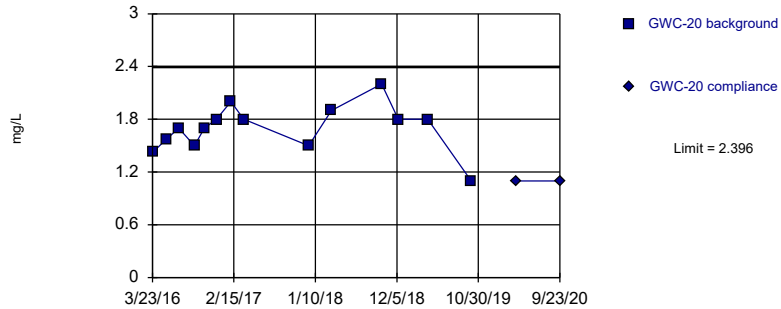


Background Data Summary: Mean=1.915, Std. Dev.=0.2492, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9085, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

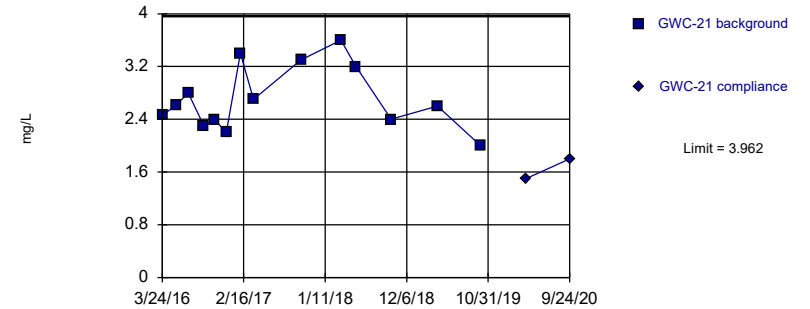


Background Data Summary: Mean=1.7, Std. Dev.=0.2708, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9657, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Chloride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

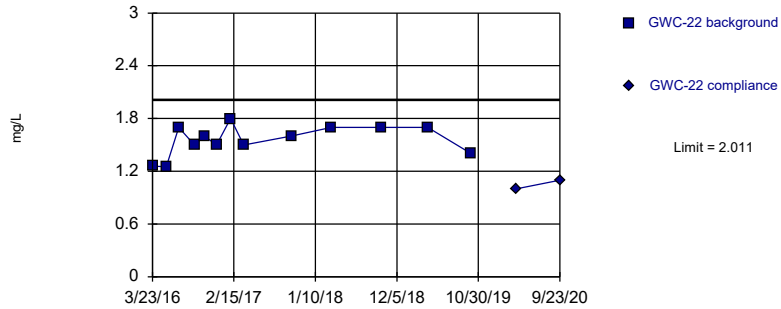


Background Data Summary: Mean=2.712, Std. Dev.=0.4862, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9357, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

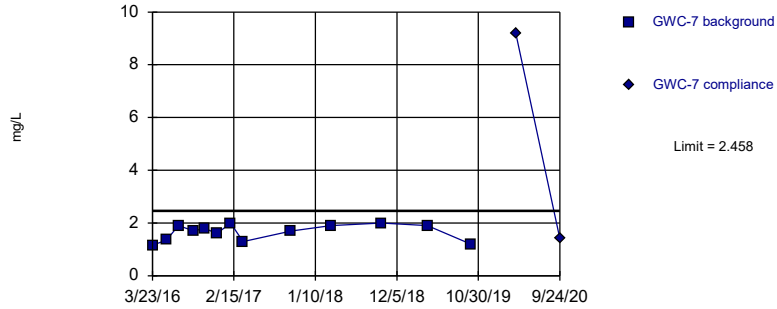
Constituent: Chloride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

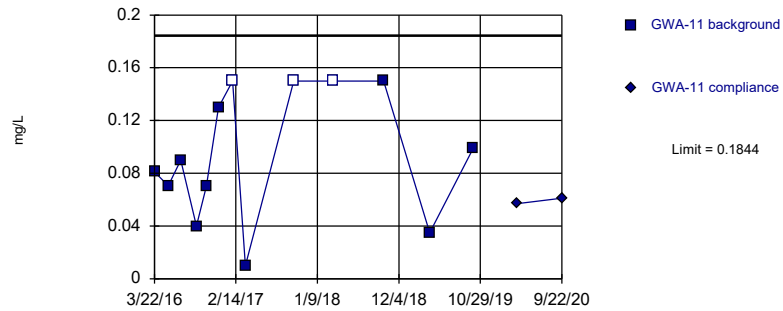
Prediction Limit  
Intrawell Parametric



Within Limit Prediction Limit  
Intrawell Parametric

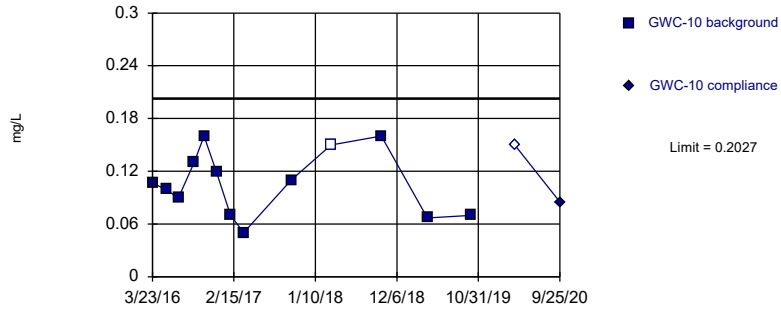


Within Limit Prediction Limit  
Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Parametric

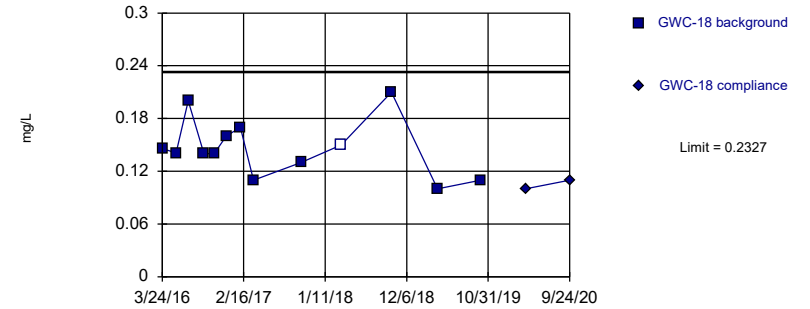


Background Data Summary: Mean=0.1064, Std. Dev.=0.03664, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9437, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

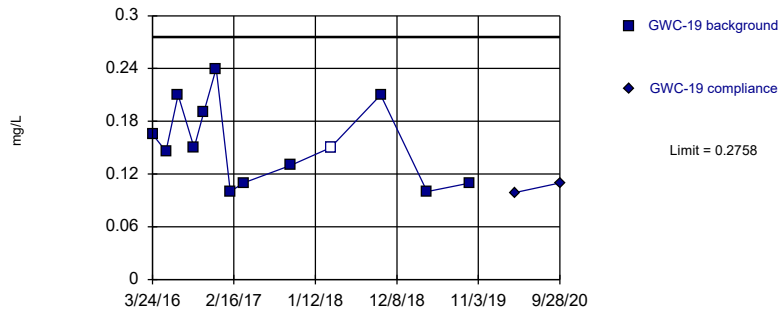


Background Data Summary: Mean=0.1467, Std. Dev.=0.03273, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9391, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

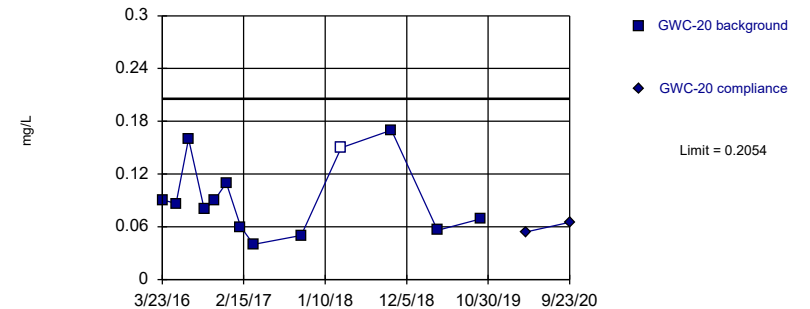


Background Data Summary: Mean=0.1547, Std. Dev.=0.04606, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.925, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

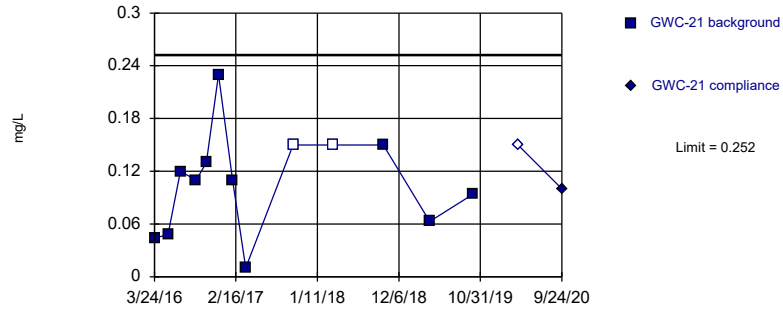


Background Data Summary: Mean=0.09322, Std. Dev.=0.0427, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9005, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

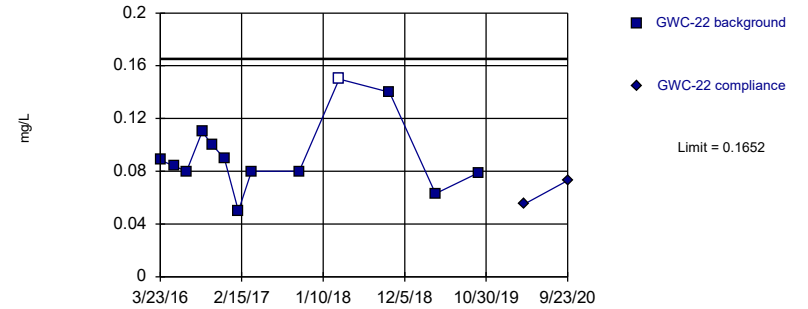


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.09554, Std. Dev.=0.05953, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9628, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

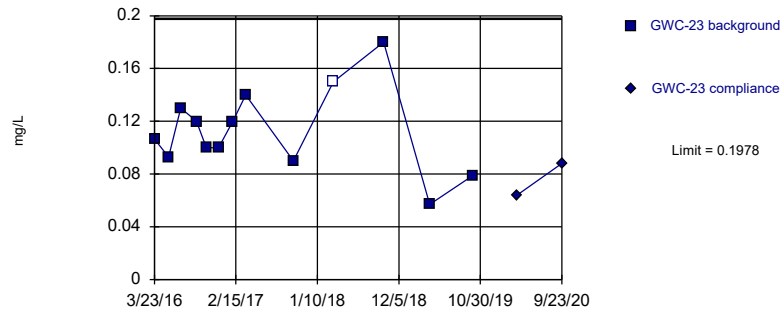


Background Data Summary: Mean=0.09188, Std. Dev.=0.0279, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.899, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

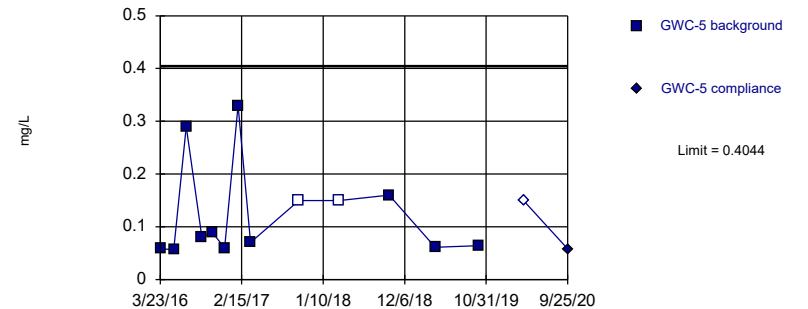


Background Data Summary: Mean=0.1127, Std. Dev.=0.03238, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9828, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

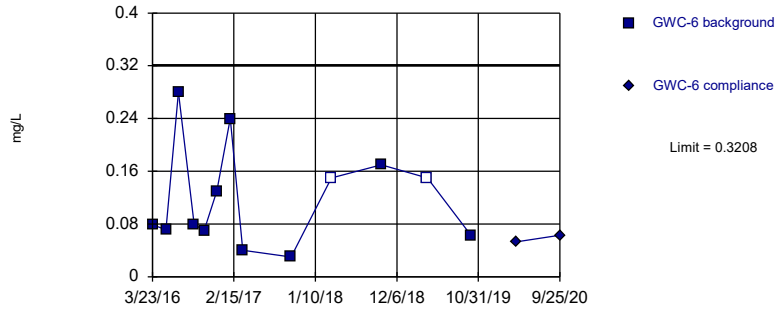


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.4643, Std. Dev.=0.1047, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8202, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

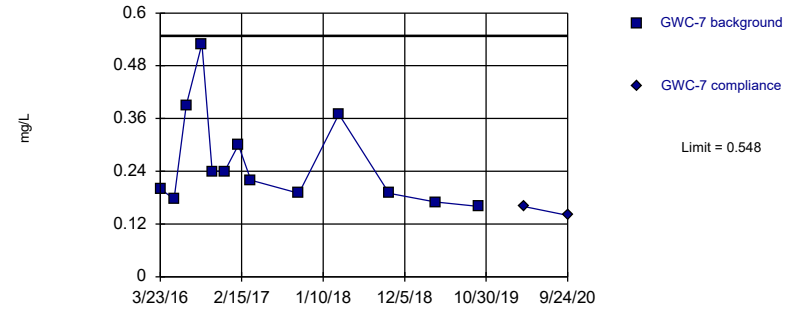


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.1139, Std. Dev.=0.07868, n=13, 15.38% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8986, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

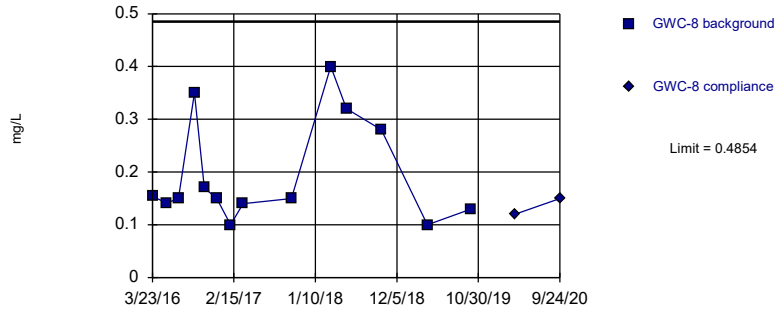


Background Data Summary: Mean=0.2598, Std. Dev.=0.1097, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8224, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

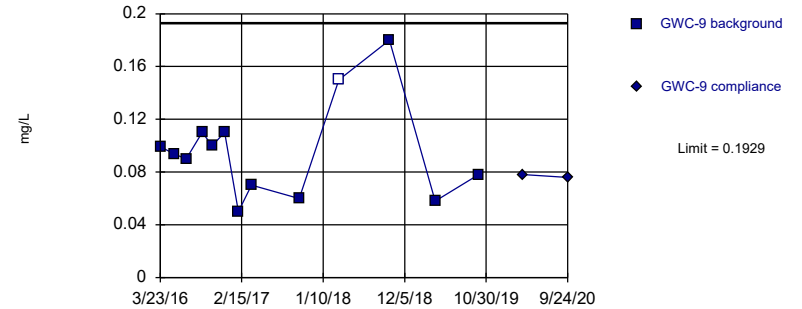


Background Data Summary (based on square root transformation): Mean=0.4306, Std. Dev.=0.1035, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.833, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

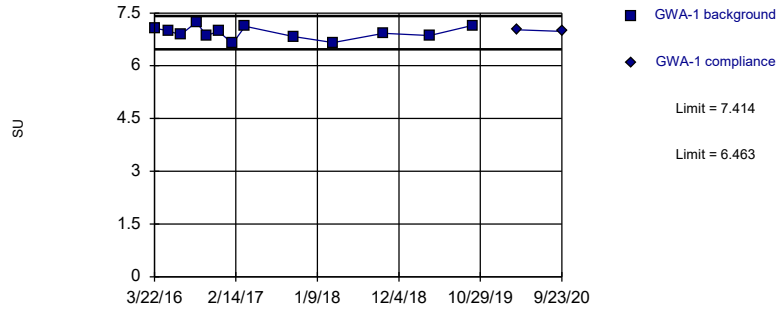


Background Data Summary: Mean=0.09607, Std. Dev.=0.03684, n=13, 7.692% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9147, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Fluoride Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

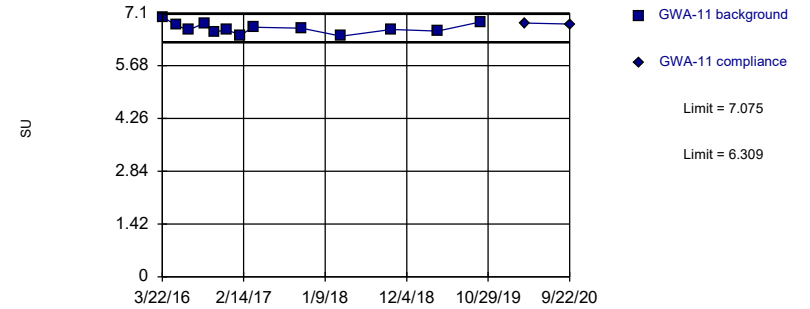


Background Data Summary: Mean=6.938, Std. Dev.=0.1807, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9693, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

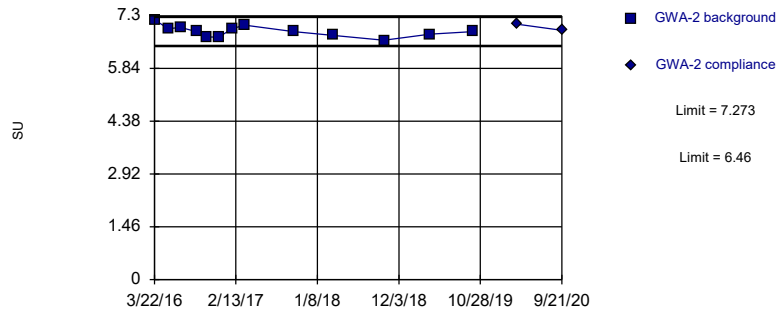


Background Data Summary: Mean=6.692, Std. Dev.=0.1457, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9669, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

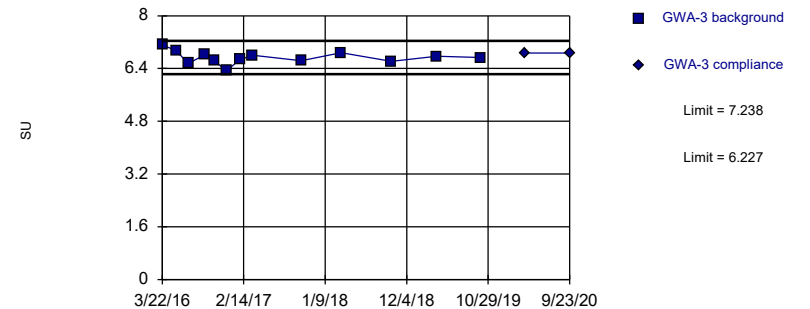


Background Data Summary: Mean=6.867, Std. Dev.=0.1547, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric



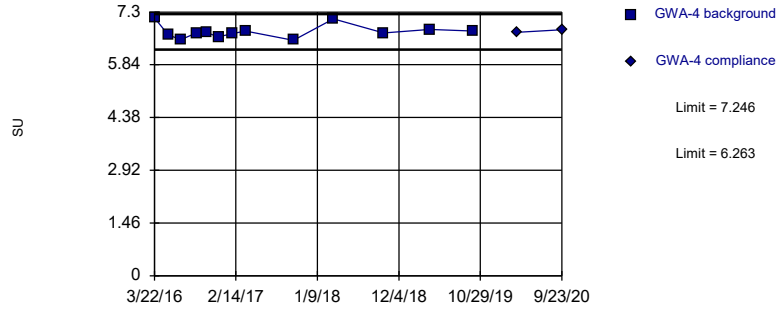
Background Data Summary: Mean=6.732, Std. Dev.=0.1922, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9818, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



Within Limits

Prediction Limit  
Intrawell Parametric

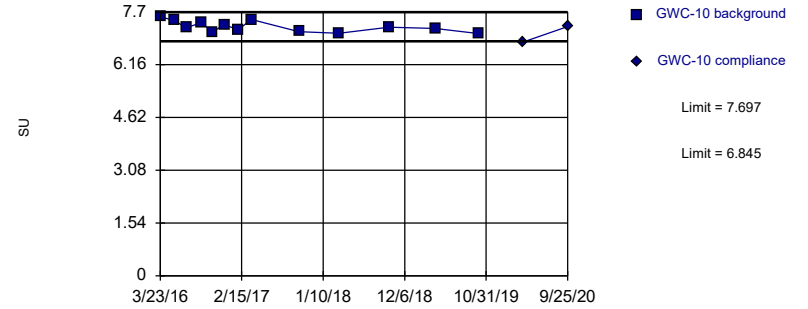


Background Data Summary: Mean=6.755, Std. Dev.=0.1869, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.862, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

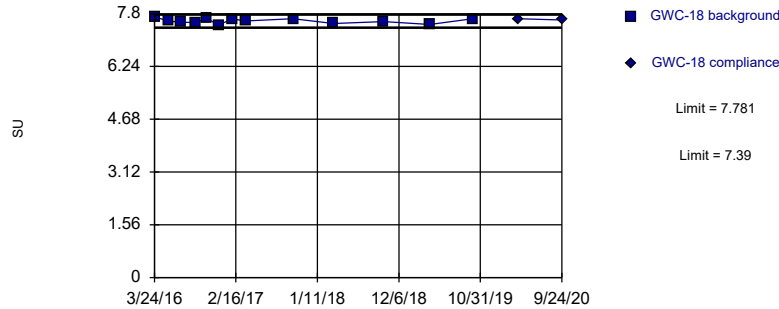


Background Data Summary: Mean=7.271, Std. Dev.=0.162, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9348, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

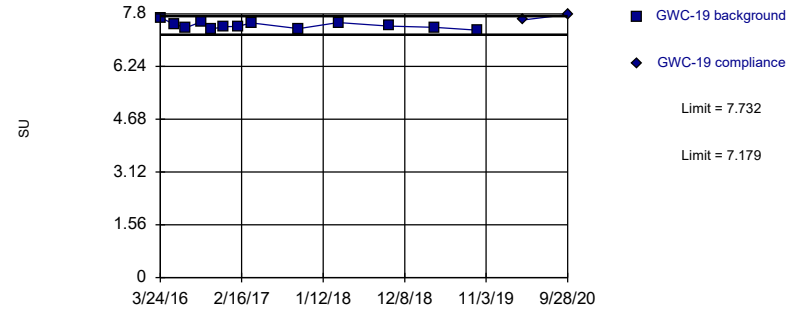


Background Data Summary: Mean=7.585, Std. Dev.=0.07423, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9602, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limits

Prediction Limit  
Intrawell Parametric

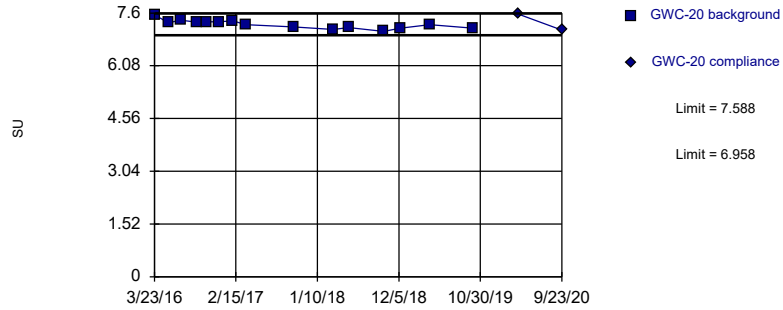


Background Data Summary: Mean=7.455, Std. Dev.=0.1052, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9485, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

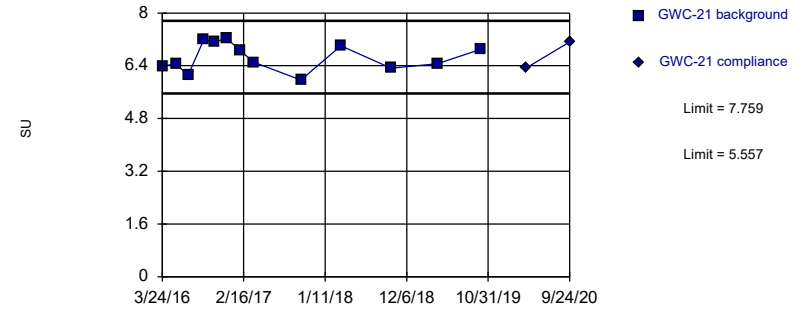


Background Data Summary: Mean=7.273, Std. Dev.=0.1253, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9587, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

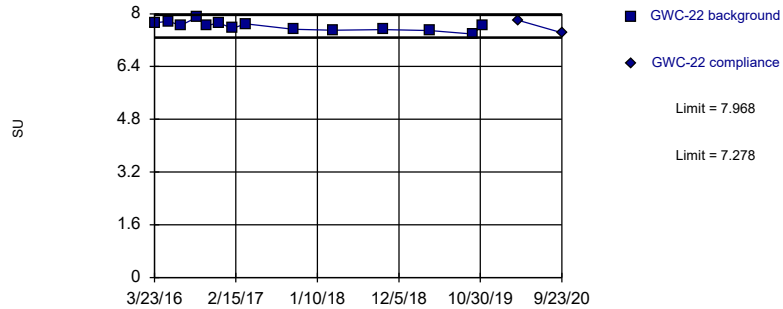


Background Data Summary: Mean=6.658, Std. Dev.=0.4189, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9363, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

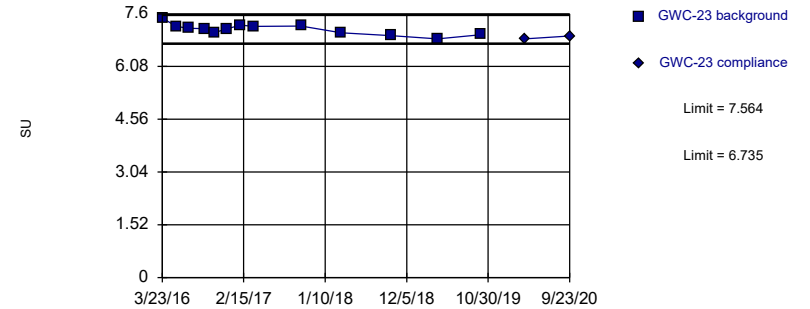


Background Data Summary: Mean=7.623, Std. Dev.=0.1341, n=14. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9786, critical = 0.825. Kappa = 2.571 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

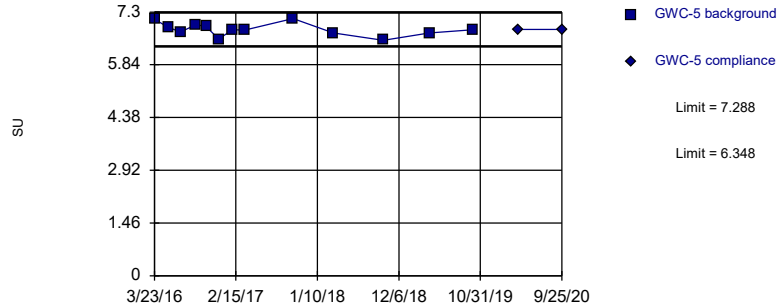


Background Data Summary: Mean=7.149, Std. Dev.=0.1578, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9618, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

### Prediction Limit Intrawell Parametric

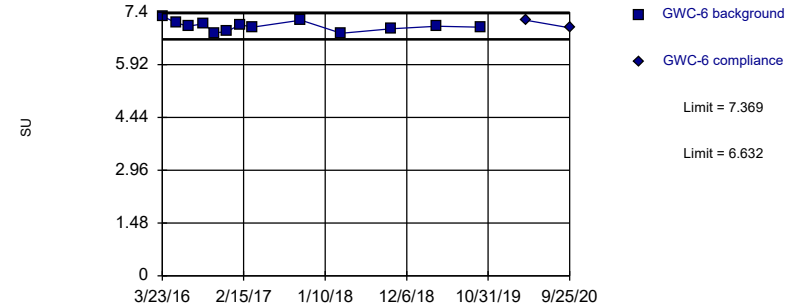


Background Data Summary: Mean=6.818, Std. Dev.=0.1788, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9555, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

### Prediction Limit Intrawell Parametric

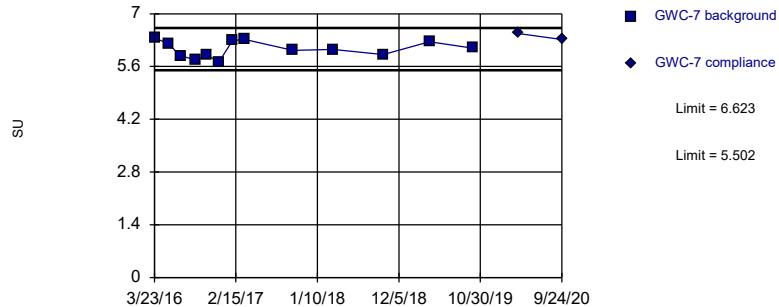


Background Data Summary: Mean=7.001, Std. Dev.=0.1401, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.965, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

### Prediction Limit Intrawell Parametric

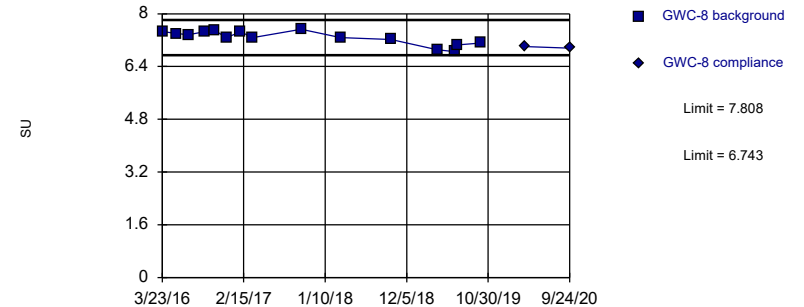


Background Data Summary: Mean=6.062, Std. Dev.=0.2132, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9398, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

### Prediction Limit Intrawell Parametric

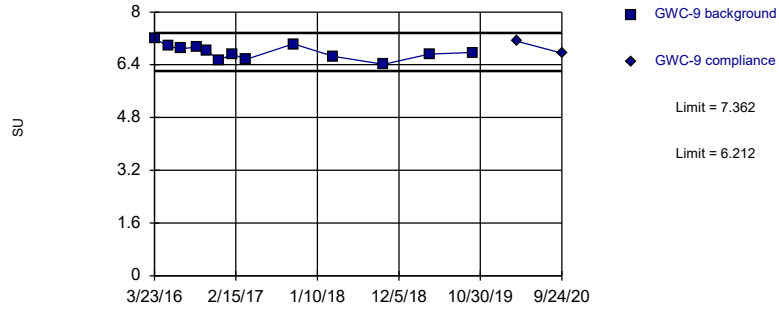


Background Data Summary: Mean=7.275, Std. Dev.=0.2119, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9103, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limits

### Prediction Limit Intrawell Parametric

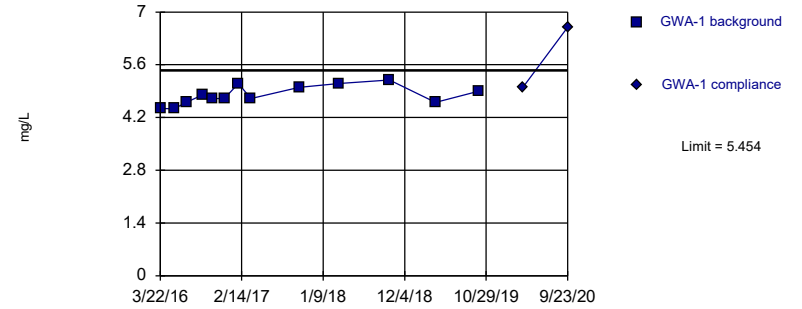


Background Data Summary: Mean=6.787, Std. Dev.=0.2186, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9914, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: pH Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limit

### Prediction Limit Intrawell Parametric

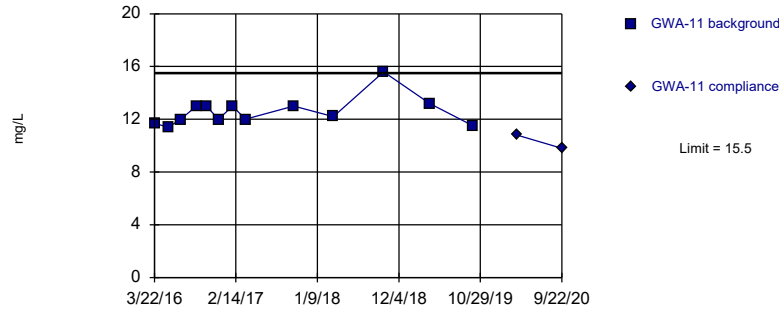


Background Data Summary: Mean=4.79, Std. Dev.=0.2524, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric

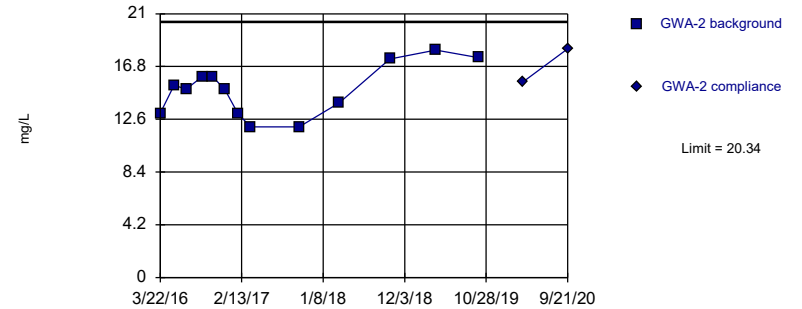


Background Data Summary: Mean=12.58, Std. Dev.=1.108, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8167, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

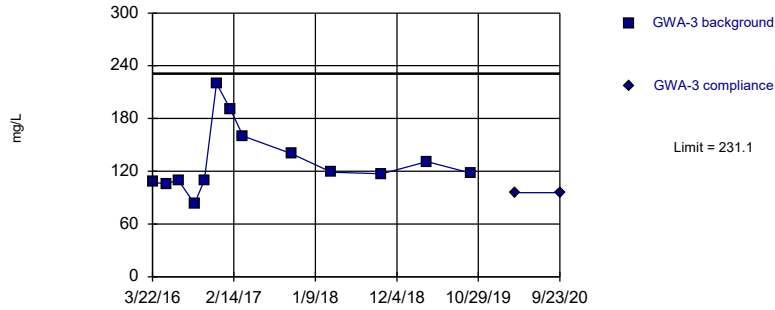
Constituent: Sulfate Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric



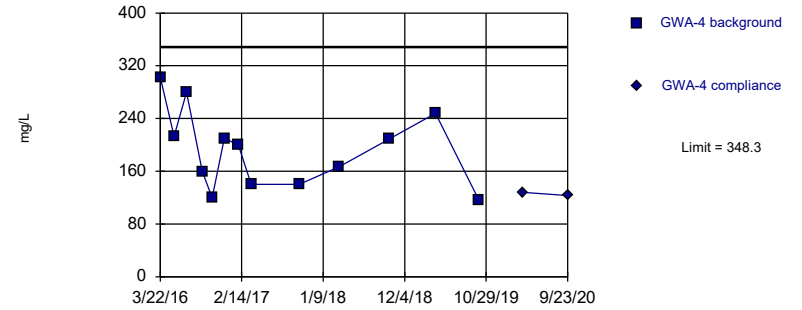
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=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 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

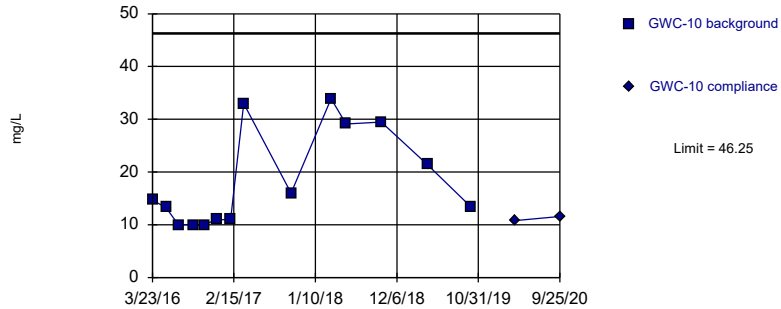
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

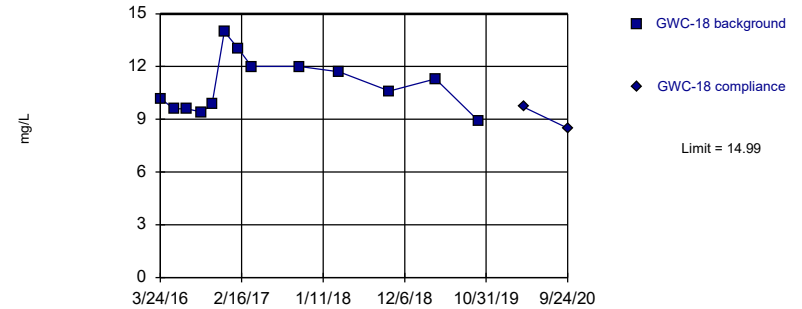
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric



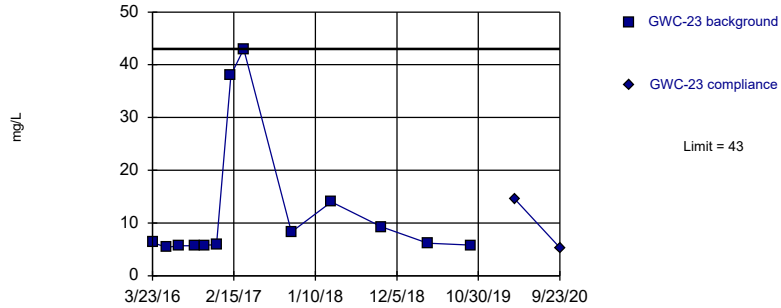
Background Data Summary: Mean=10.94, Std. Dev.=1.541, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9417, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Sulfate Analysis Run 10/28/2020 2:52 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

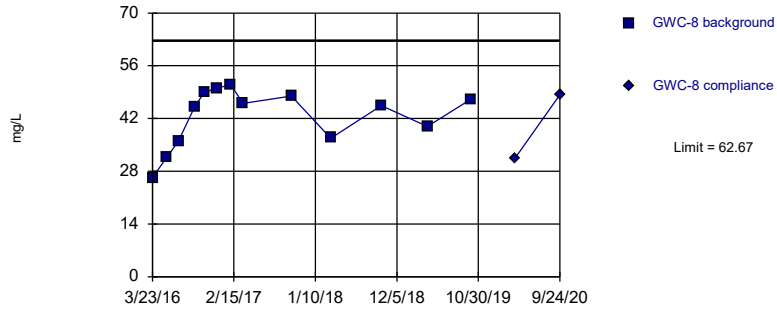


Within Limit

Prediction Limit  
Intrawell Non-parametric



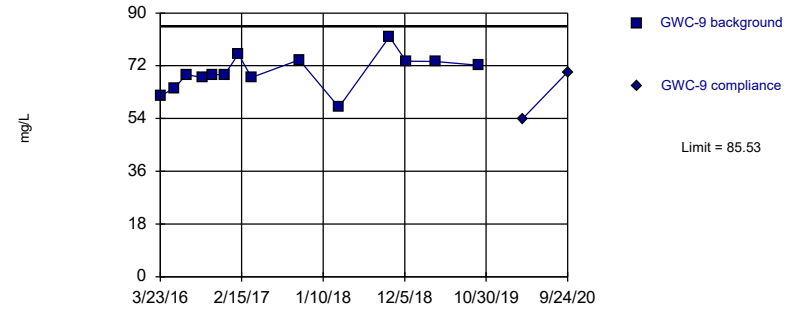
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

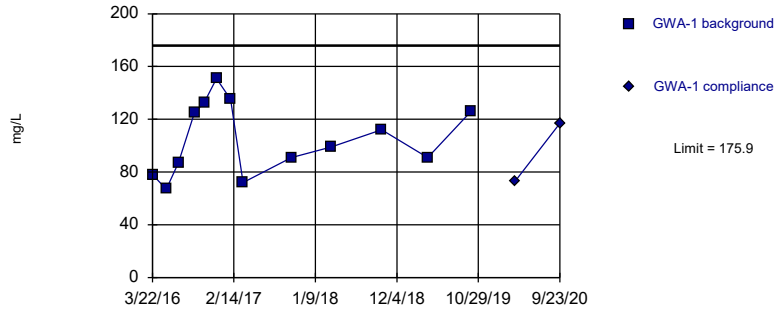
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

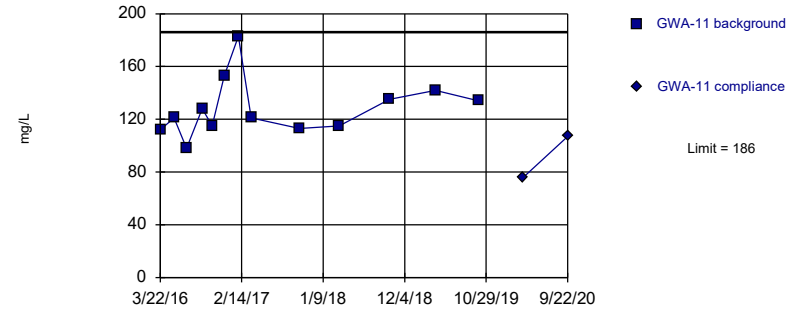
Within Limit Prediction Limit  
Intrawell Parametric



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.

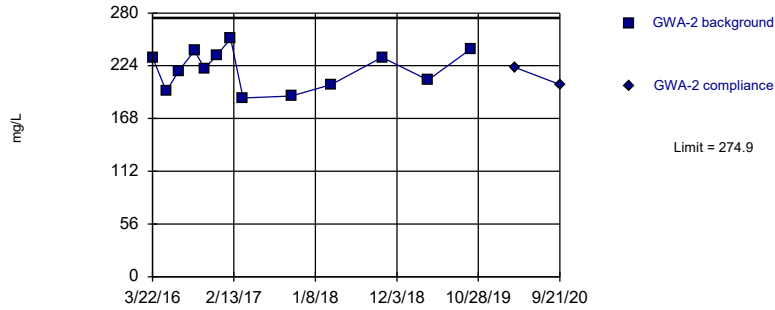
Constituent: Total Dissolved Solids Analysis Run 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric





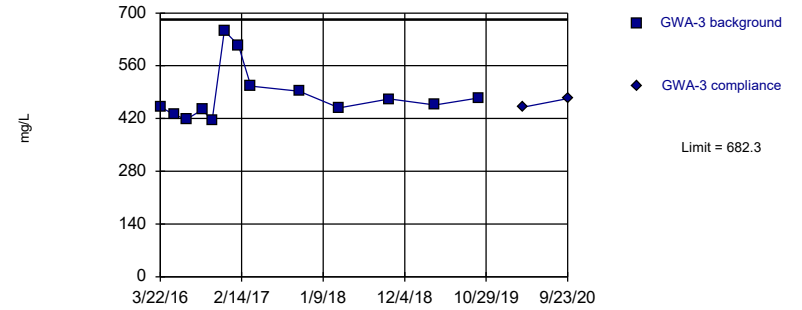
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

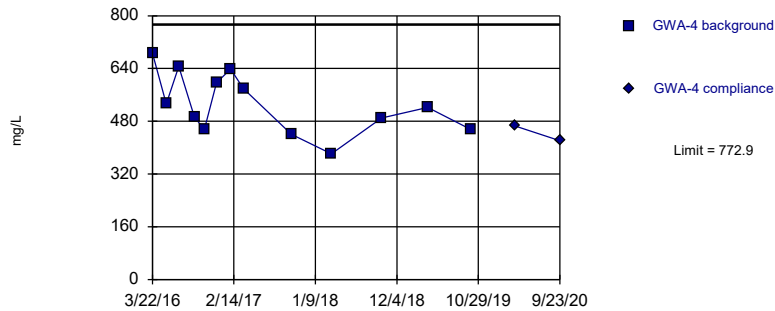
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

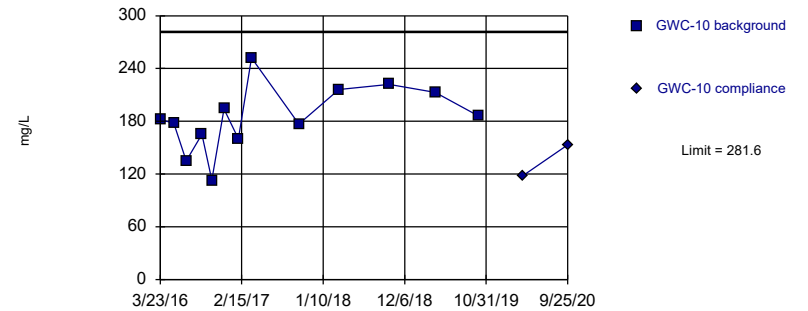
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit Prediction Limit  
Intrawell Parametric

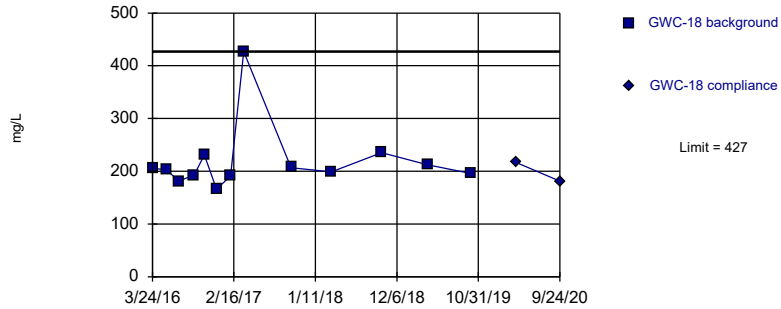


Background Data Summary: Mean=184.1, Std. Dev.=37.09, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9837, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

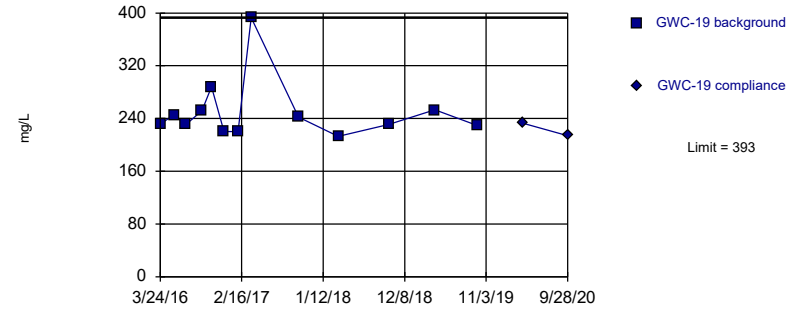


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

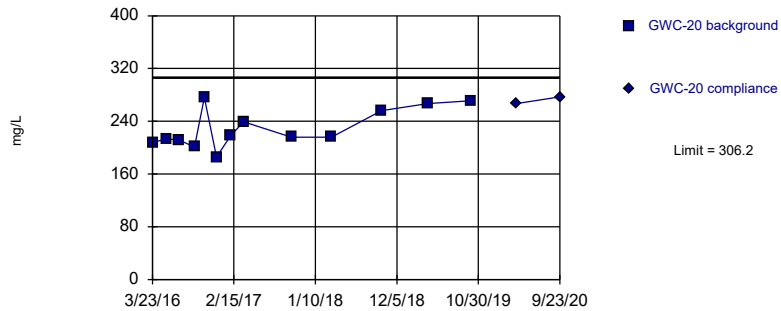


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

Constituent: Total Dissolved Solids Analysis Run 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

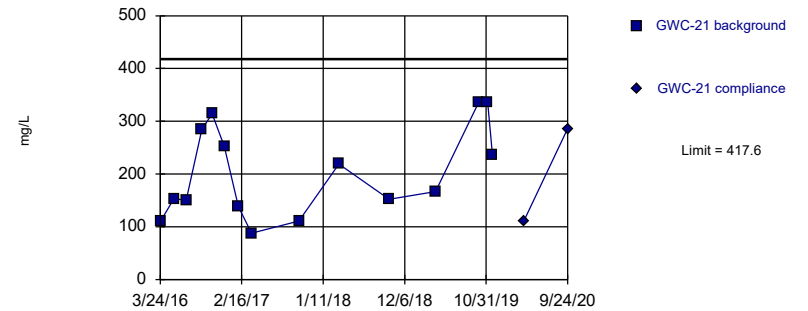


Background Data Summary: Mean=229.2, Std. Dev.=29.3, n=13. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8995, critical = 0.814. Kappa = 2.629 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

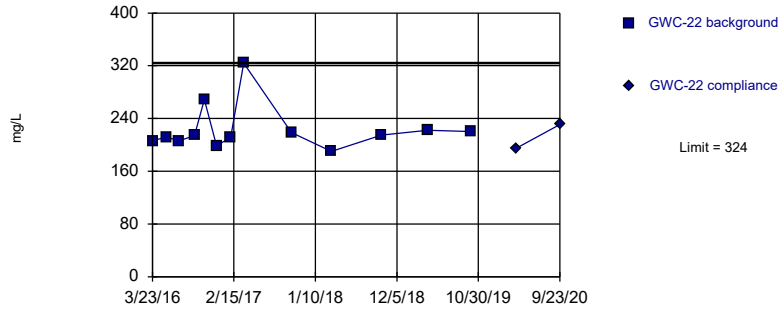


Background Data Summary: Mean=203.2, Std. Dev.=85.29, n=15. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9112, critical = 0.835. Kappa = 2.514 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.0006269.

Constituent: Total Dissolved Solids Analysis Run 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

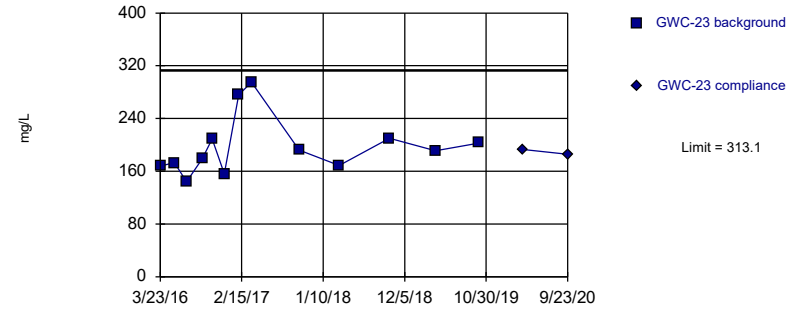


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 13 background values. Well-constituent pair annual alpha = 0.01929. Individual comparison alpha = 0.009692 (1 of 2).

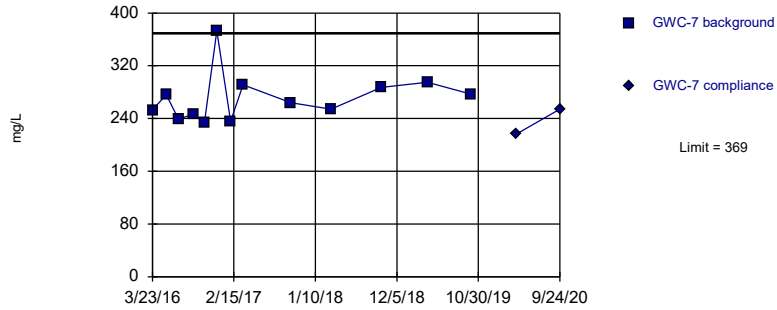
Constituent: Total Dissolved Solids Analysis Run 10/28/2020 2:53 PM View: PL's - Federal Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Within Limit

### Prediction Limit Intrawell Parametric



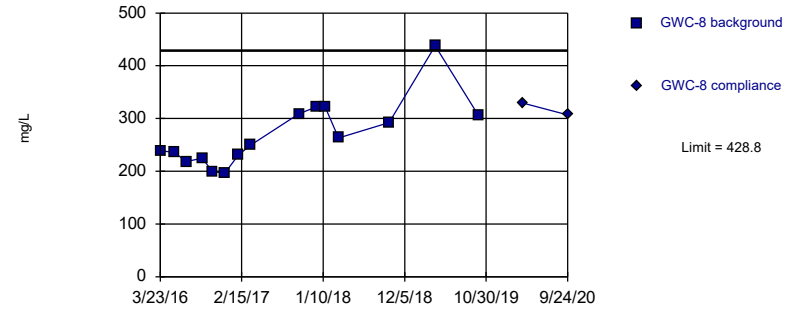
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=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 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

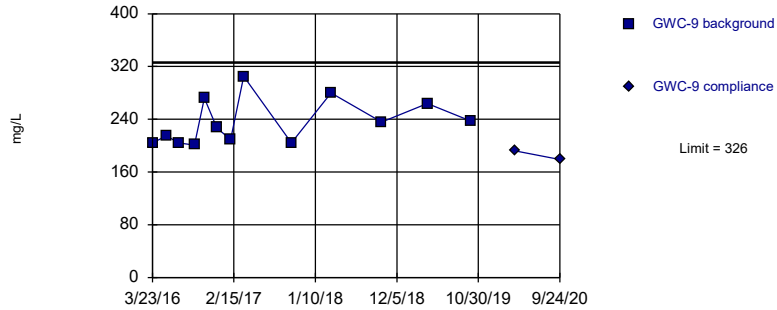
Within Limit Prediction Limit  
Intrawell Parametric



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 10/28/2020 2:53 PM View: PL's - Federal  
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 10/28/2020 2:53 PM View: PL's - Federal  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)
9/25/2020		0.047 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)
9/24/2020		0.055 (J)

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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
9/28/2020		44.7

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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
9/23/2020		55.8

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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
9/24/2020		1.4

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal

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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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)



# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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
9/25/2020		7.28

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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
9/28/2020		7.78



# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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
9/23/2020		7.11

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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
9/25/2020		6.96

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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
9/24/2020		6.32

# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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
9/24/2020		6.96



# Prediction Limit

Constituent: pH (SU) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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



# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:00 PM View: PL's - Federal  
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

# Prediction Limit

Constituent: Total Dissolved Solids (mg/L) Analysis Run 10/28/2020 3:01 PM View: PL's - Federal  
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

FIGURE H.

# Federal Interwell Prediction Limit Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/29/2020, 5:24 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-19	7.185	6.433	9/28/2020	7.78	Yes	75	6.809	0.1843	0	None	No	0.0003135	Param Inter 1 of 2

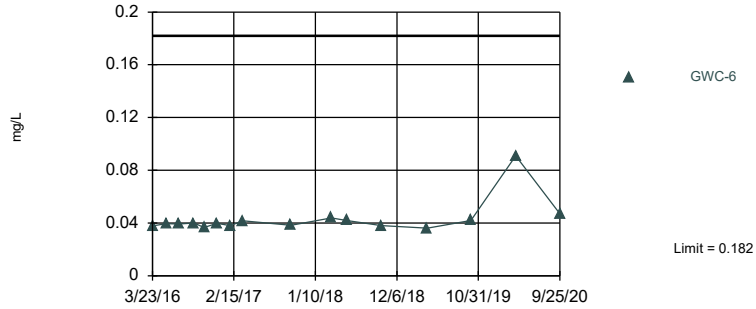
# Federal Interwell Prediction Limit Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/29/2020, 5:24 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-6	0.182	n/a	9/25/2020	0.047J	No	75	n/a	n/a	2.667	n/a	n/a	0.0003397	NP Inter (normality) 1 of 2
<b>pH (SU)</b>	<b>GWC-19</b>	<b>7.185</b>	<b>6.433</b>	<b>9/28/2020</b>	<b>7.78</b>	<b>Yes</b>	<b>75</b>	<b>6.809</b>	<b>0.1843</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0003135</b>	<b>Param Inter 1 of 2</b>
Sulfate (mg/L)	GWC-20	302.3	n/a	9/23/2020	58.9	No	75	n/a	n/a	0	n/a	n/a	0.0003397	NP Inter (normality) 1 of 2

Within Limit

Prediction Limit  
Interwell Non-parametric

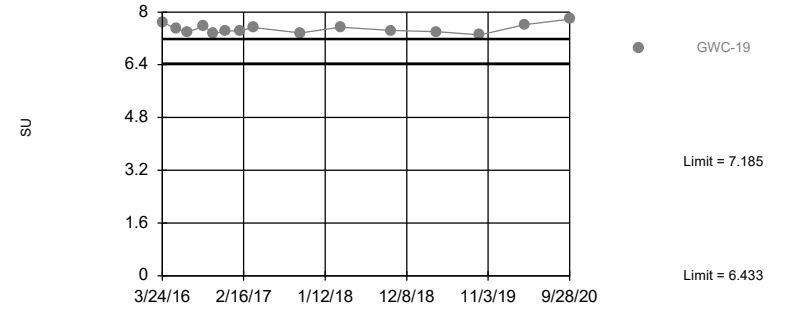


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 75 background values. 2.667% NDs. Annual per-constituent alpha = 0.008122. Individual comparison alpha = 0.0003397 (1 of 2). Assumes 11 future values.

Constituent: Boron Analysis Run 10/29/2020 5:22 PM View: Interwell PL  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Exceeds Limits: GWC-19

Prediction Limit  
Interwell Parametric

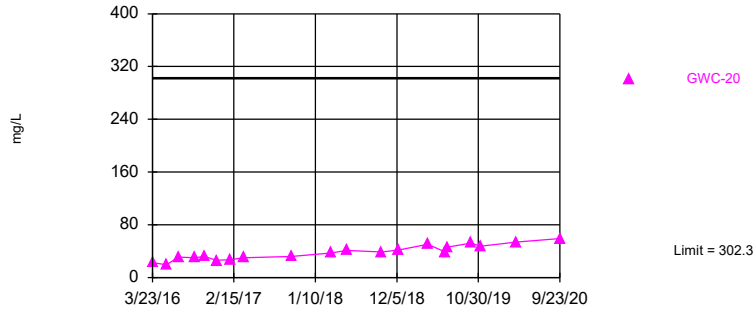


Background Data Summary: Mean=6.809, Std. Dev.=0.1843, n=75. Normality test: Shapiro Francia @alpha = 0.01, calculated = 0.9902, critical = 0.956. Kappa = 2.039 (c=7, w=12, 1 of 2, event alpha = 0.05132). Report alpha = 0.007498. Individual comparison alpha = 0.0003135. Assumes 11 future values.

Constituent: pH Analysis Run 10/29/2020 5:22 PM View: Interwell PL  
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 75 background values. Annual per-constituent alpha = 0.008122. Individual comparison alpha = 0.0003397 (1 of 2). Assumes 11 future values.

Constituent: Sulfate Analysis Run 10/29/2020 5:22 PM View: Interwell PL  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 10/29/2020 5:24 PM View: Interwell PL

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-6
3/22/2016	<0.1	0.0815 (J)	0.0828 (J)	0.04 (J)	0.135	
3/23/2016						0.0379 (J)
5/17/2016	<0.1	0.0838 (J)	0.0844 (J)	0.0358 (J)	0.132	0.0395 (J)
7/5/2016	0.0419 (J)		0.0962 (J)		0.161	
7/6/2016		0.111		0.0373 (J)		0.0393 (J)
9/7/2016	0.0174 (J)	0.107	0.0884 (J)	0.0352 (J)	0.163	0.04 (J)
10/18/2016	0.0192 (J)	0.118	0.0889 (J)	0.0332 (J)	0.154	0.0366 (J)
12/6/2016	0.0182 (J)	0.106		0.033 (J)	0.142	
12/7/2016			0.0954			
12/8/2016						0.0397 (J)
1/31/2017	0.0193 (J)		0.0939			
2/1/2017		0.0949		0.0365 (J)	0.143	0.0381 (J)
3/23/2017	0.0192 (J)		0.0869		0.15	0.0416
3/24/2017		0.0887		0.0343 (J)		
10/4/2017	0.0199 (J)	0.105	0.0914		0.182	0.0382 (J)
10/5/2017				0.0325 (J)		
3/14/2018	0.019 (J)		0.075			
3/15/2018		0.043		0.037 (J)	0.14	
3/16/2018						0.044
5/16/2018						0.042
10/4/2018	0.021 (J)	0.1	0.082	0.035 (J)	0.16	0.038 (J)
4/5/2019					0.12	
4/8/2019	0.019 (J)	0.057 (J)	0.071 (J)	0.034 (J)		0.036 (J)
9/30/2019	0.025 (J)	0.11	0.084	0.039 (J)	0.17	
10/1/2019						0.042
3/26/2020	0.022 (J)	0.086 (J)	0.092 (J)	0.041 (J)	0.14	
3/31/2020						0.091 (J)
9/21/2020			0.086 (J)			
9/22/2020				0.038 (J)		
9/23/2020	0.047 (J)	0.087 (J)			0.15	
9/25/2020						0.047 (J)



# Prediction Limit

Constituent: pH (SU) Analysis Run 10/29/2020 5:24 PM View: Interwell PL

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-4 (bg)	GWA-3 (bg)	GWA-11 (bg)	GWC-19
3/22/2016	7.07	7.19	7.14	7.11	7	
3/24/2016						7.69
5/17/2016	7	6.94	6.67	6.95	6.77	
5/18/2016						7.49
7/5/2016	6.88	6.98		6.55		
7/6/2016			6.53		6.64	7.39
9/7/2016	7.24	6.86	6.72	6.81	6.83	
9/8/2016						7.57
10/18/2016	6.86	6.71	6.73	6.64	6.58	7.35
12/6/2016	6.98		6.61	6.34	6.66	
12/7/2016		6.71				7.42
1/31/2017	6.63	6.95				
2/1/2017			6.7	6.68	6.5	
2/2/2017						7.43
3/23/2017	7.12	7.04		6.8		
3/24/2017			6.77		6.72	
3/27/2017						7.53
10/4/2017	6.83	6.86	6.52	6.64		
10/5/2017					6.69	7.36
3/14/2018	6.66	6.76				
3/15/2018			7.11	6.88	6.48	7.54
10/4/2018	6.92	6.62	6.72	6.62	6.66	7.44
4/5/2019				6.77		
4/8/2019	6.86	6.79	6.82		6.61	
4/9/2019						7.4
9/30/2019	7.15	6.86	6.77	6.73	6.86	
10/1/2019						7.31
3/26/2020	7.02	7.07	6.74	6.87	6.83	
3/31/2020						7.62
9/21/2020		6.9				
9/22/2020					6.8	
9/23/2020	6.98		6.81	6.87		
9/28/2020						7.78

# Prediction Limit

Constituent: Sulfate (mg/L) Analysis Run 10/29/2020 5:24 PM View: Interwell PL

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

FIGURE I.

# Federal Trend Test Summary - Significant Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/26/2020, 5:03 PM

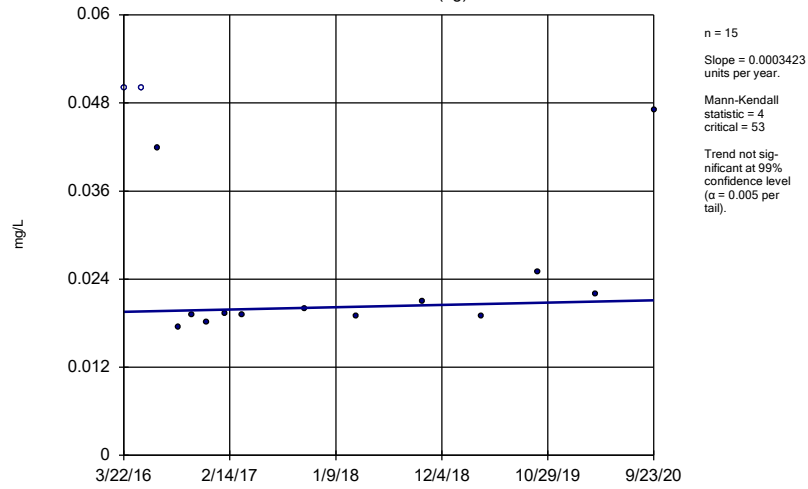
<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
<b>Sulfate (mg/L)</b>	<b>GWA-1 (bg)</b>	<b>0.237</b>	<b>57</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Sulfate (mg/L)</b>	<b>GWC-20</b>	<b>7.318</b>	<b>152</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>

# Federal Trend Test Summary - All Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 10/26/2020, 5:03 PM

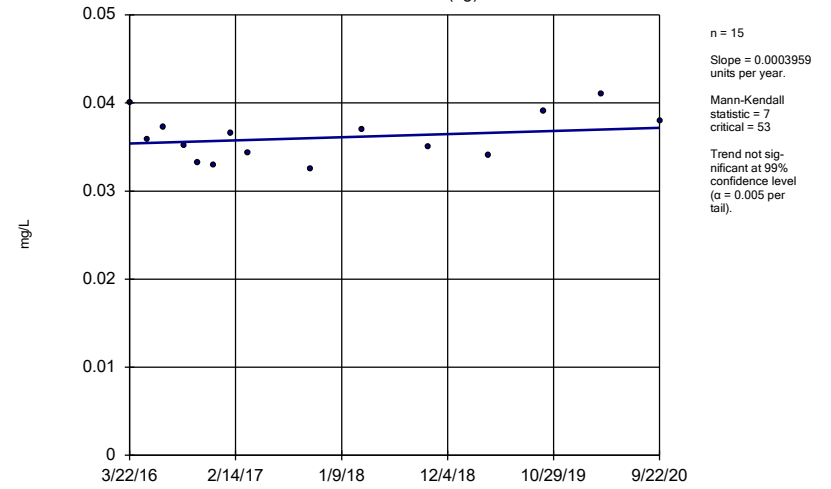
Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron (mg/L)	GWA-1 (bg)	0.0003423	4	53	No	15	13.33	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-11 (bg)	0.0003959	7	53	No	15	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-2 (bg)	-0.001127	-17	-53	No	15	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-3 (bg)	0.001921	5	53	No	15	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-4 (bg)	-0.003283	-17	-53	No	15	0	n/a	n/a	0.01	NP
Boron (mg/L)	GWC-6	0.00157	41	58	No	16	0	n/a	n/a	0.01	NP
pH (SU)	GWA-1 (bg)	-0.01246	-7	-53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-11 (bg)	-0.007419	-3	-53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-2 (bg)	-0.02709	-13	-53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-3 (bg)	0	1	53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWA-4 (bg)	0.02224	25	53	No	15	0	n/a	n/a	0.01	NP
pH (SU)	GWC-19	0.005993	3	53	No	15	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWA-1 (bg)</b>	<b>0.237</b>	<b>57</b>	<b>53</b>	<b>Yes</b>	<b>15</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Sulfate (mg/L)	GWA-11 (bg)	0	-2	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-2 (bg)	0.675	32	53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-3 (bg)	-0.6472	-4	-53	No	15	0	n/a	n/a	0.01	NP
Sulfate (mg/L)	GWA-4 (bg)	-21.13	-44	-53	No	15	0	n/a	n/a	0.01	NP
<b>Sulfate (mg/L)</b>	<b>GWC-20</b>	<b>7.318</b>	<b>152</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>

Sen's Slope Estimator  
 GWA-1 (bg)



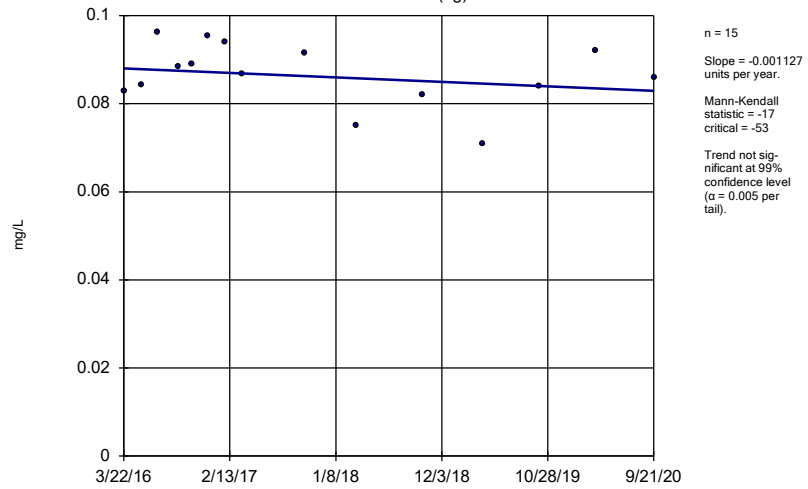
Constituent: Boron Analysis Run 10/26/2020 4:56 PM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
 GWA-11 (bg)



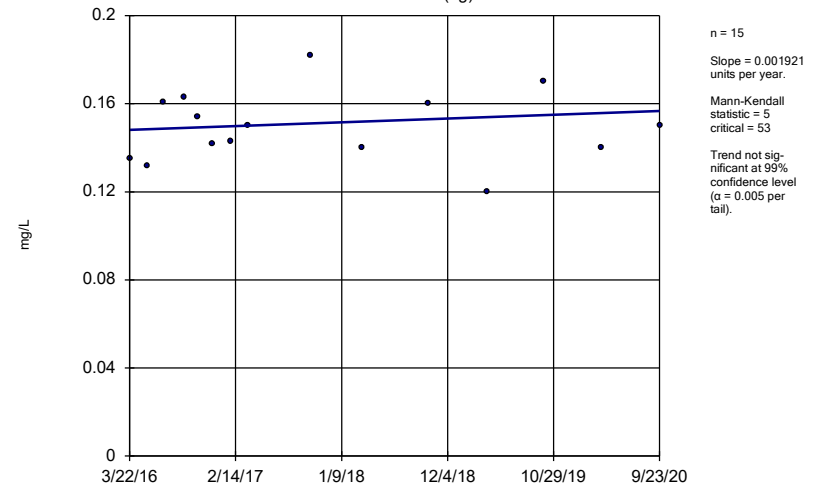
Constituent: Boron Analysis Run 10/26/2020 4:56 PM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

Sen's Slope Estimator  
 GWA-2 (bg)



Constituent: Boron Analysis Run 10/26/2020 4:56 PM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

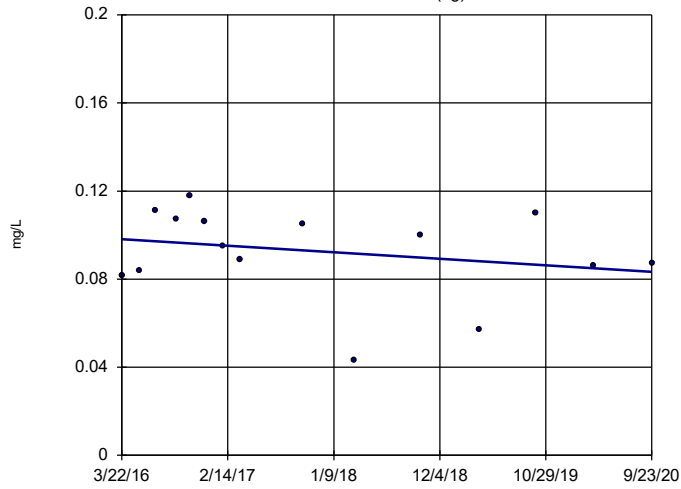
Sen's Slope Estimator  
 GWA-3 (bg)



Constituent: Boron Analysis Run 10/26/2020 4:56 PM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

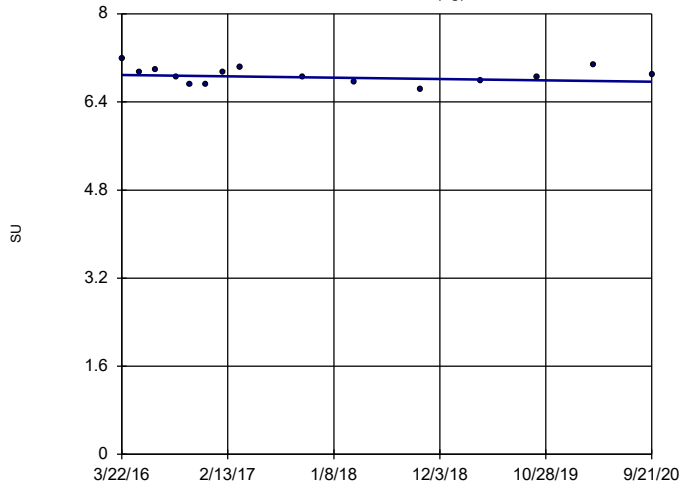
### Sen's Slope Estimator

GWA-4 (bg)



### Sen's Slope Estimator

GWA-2 (bg)

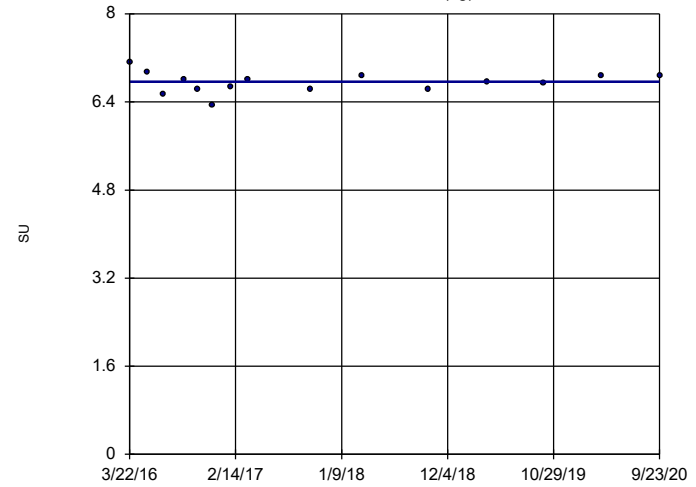


n = 15  
 Slope = -0.02709  
 units per year.  
 Mann-Kendall  
 statistic = -13  
 critical = -53  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: pH Analysis Run 10/26/2020 4:56 PM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWA-3 (bg)

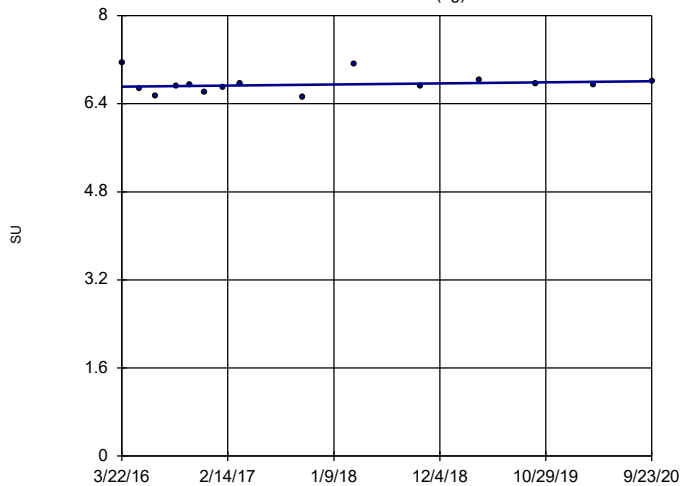


n = 15  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 1  
 critical = 53  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: pH Analysis Run 10/26/2020 4:56 PM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWA-4 (bg)

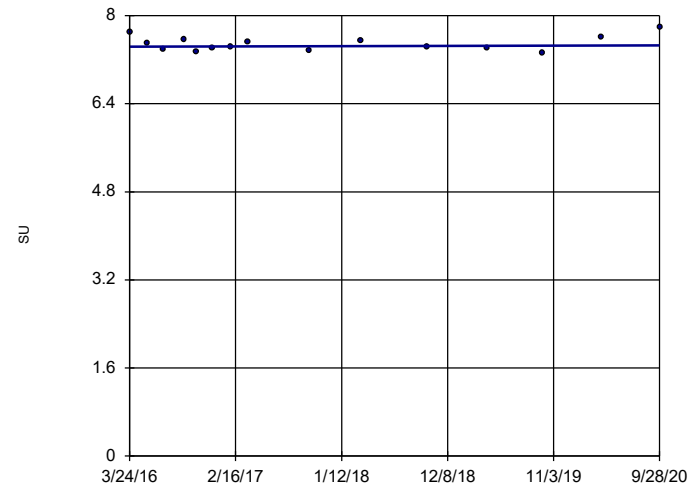


n = 15  
 Slope = 0.02224  
 units per year.  
 Mann-Kendall  
 statistic = 25  
 critical = 53  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: pH Analysis Run 10/26/2020 4:56 PM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWC-19



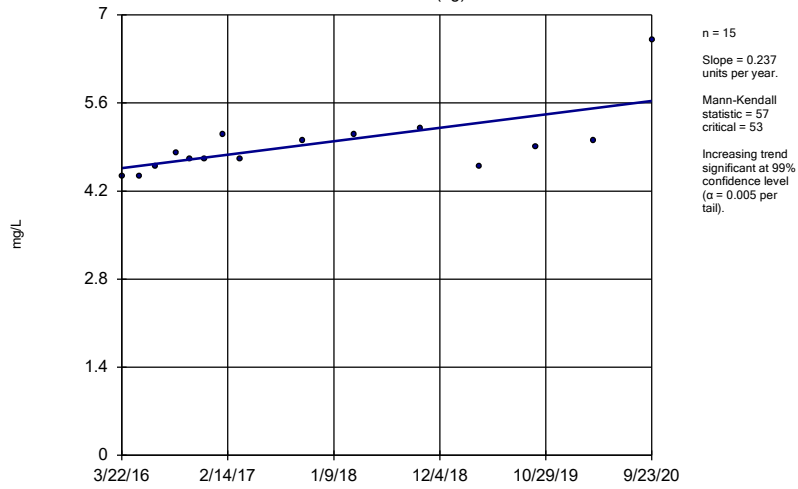
n = 15  
 Slope = 0.005993  
 units per year.  
 Mann-Kendall  
 statistic = 3  
 critical = 53  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: pH Analysis Run 10/26/2020 4:56 PM View: Trend Tests - Federal PLs  
 Plant Hammond Client: Southern Company Data: Huffaker Road Landfill



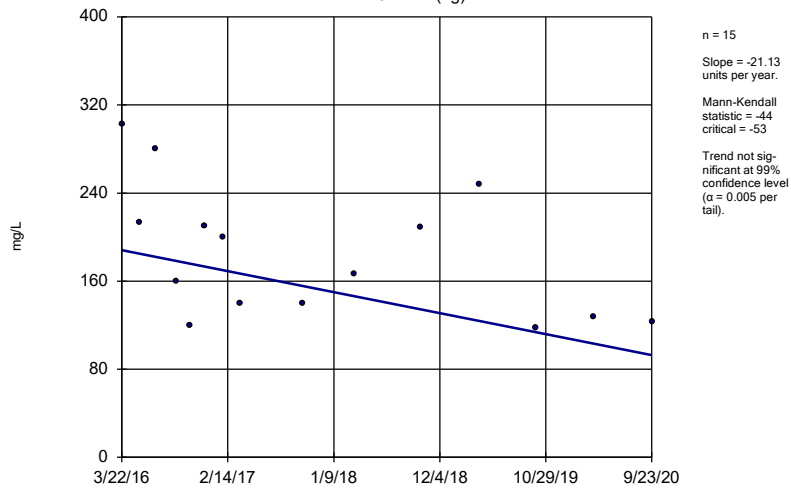
### Sen's Slope Estimator

GWA-1 (bg)



### Sen's Slope Estimator

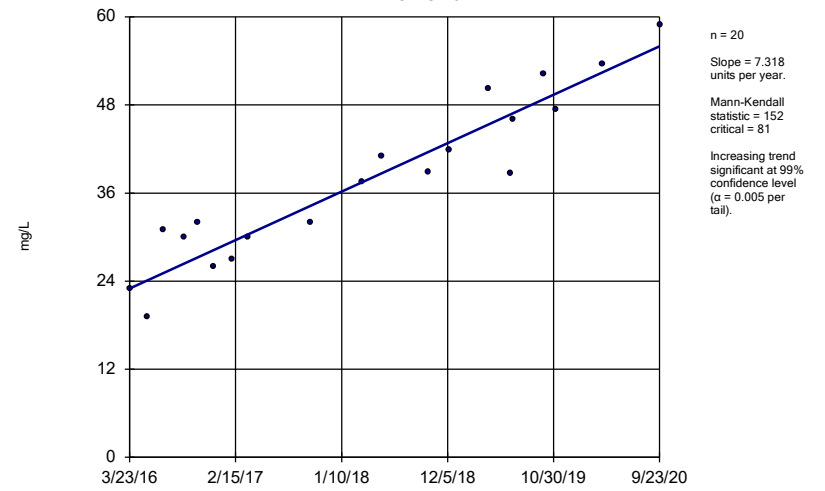
GWA-4 (bg)



Constituent: Sulfate Analysis Run 10/26/2020 4:56 PM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

### Sen's Slope Estimator

GWC-20



Constituent: Sulfate Analysis Run 10/26/2020 4:56 PM View: Trend Tests - Federal PLs  
Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# ADDENDUM REPORT RESAMPLE RESULTS

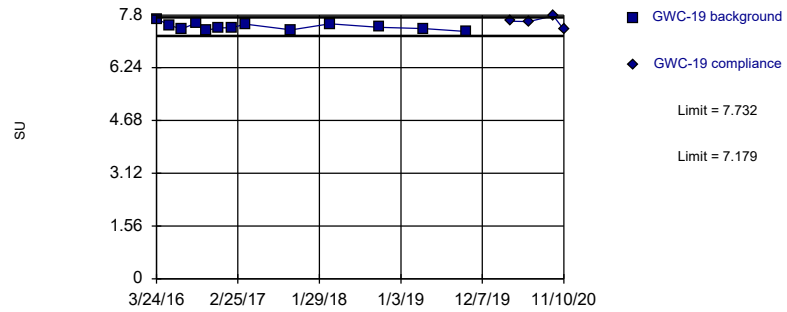
# Intrawell Prediction Limit Summary - Resample Results

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill Printed 11/19/2020, 8:40 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg. N	Bg. Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH (SU)	GWC-19	7.732	7.179	11/10/2020	7.37	No	13	7.455	0.1052	0	None	No	0.0003135	Param Intra 1 of 2

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 11/19/2020 8:38 AM

Plant Hammond Client: Southern Company Data: Huffaker Road Landfill

# Prediction Limit

Constituent: pH (SU) Analysis Run 11/19/2020 8:39 AM  
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)