



**Fall 2020**  
**Semi-Annual Water Quality Report**  
**Gude Landfill**  
**Montgomery County, Maryland**

*Prepared for*

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Recycling and Resource Management Division  
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## LIST OF ACRONYMS AND ABBREVIATIONS

µg/L	Microgram(s) per liter
ACM	Assessment of Corrective Measures
CMA	Corrective Measure Alternative
COMAR	Code of Maryland Regulations
the County	Montgomery County
DEP	Department of Environmental Protection
EA	EA Engineering, Science, and Technology, Inc., PBC
EPA	U.S. Environmental Protection Agency
GW&SWMP	Groundwater and Surface Water Monitoring Plan
the Landfill	Gude Landfill
M-NCPPC	Maryland-National Capital Park and Planning Commission
MCL	Maximum contaminant level
MDE	Maryland Department of the Environment
mg/L	Milligram(s) per liter
PCE	Tetrachloroethene
RAO	Remedial action objectives
RPD	Relative percent difference
TCE	Trichloroethene
VC	Vinyl chloride
VOC	Volatile organic compound

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## 1. INTRODUCTION

### 1.1 INTRODUCTION

On behalf of Montgomery County (the County) Department of Environmental Protection (DEP), EA Engineering, Science, and Technology, Inc., PBC completed the semi-annual groundwater and surface-water sampling for Gude Landfill (the Landfill) located in Rockville, Maryland, for the Fall 2020 sampling event. This report summarizes, interprets, and statistically analyzes the analytical results for the semi-annual sampling event performed in July–August 2020.

In accordance with the Groundwater and Surface Water Monitoring Plan (GW&SWMP) (Montgomery County DEP 2019), EA Engineering, Science, and Technology, Inc., PBC (EA) has prepared the semi-annual report on water quality at the Landfill. The analytical results, historical data tables, required statistical analysis, groundwater elevations, and groundwater contour map with the most recent topography of the site are included in the report. The County has finalized an updated GW&SWMP that addresses transition to low-flow sampling methods, revisions to the practical quantitation limits, and other changes made to the program. The updated GW&SWMP was submitted to the Maryland Department of the Environment (MDE) in July 2020.

### 1.2 BACKGROUND

#### 1.2.1 Site Description

The Landfill is located at 600 East Gude Drive, Rockville, Maryland 20850. The site has road access at two locations: East Gude Drive and Southlawn Lane. A site location map is provided as **Figure 1**.

The Landfill is currently owned and maintained by the County DEP Recycling and Resource Management Division (formerly Division of Solid Waste Services). The Landfill was used for the disposal of municipal solid waste and incinerator residues from 1964 to 1982. The Landfill property encompasses approximately 162 acres, of which approximately 140 acres was used for waste disposal. An additional 17 acres of waste disposal area was delineated in 2009 on Maryland-National Capital Park and Planning Commission (M-NCPPC) property, beyond the northeastern property boundary of the Landfill. A land exchange between the County and M-NCPPC on October 21, 2014, transferred ownership of this additional waste disposal area to the County in exchange for a similar area of land without waste, which was transferred to M-NCPPC.

#### 1.2.2 Site History

The Landfill was initially permitted by the County in 1963. The Landfill was subsequently operated and closed under several facility names and refuse disposal permits from 1964 to 1982. The facility name of the Gude-Southlawn Landfill was modified by reference to the Gude Landfill. There is no current refuse disposal permit that is applicable to the Landfill.

The Landfill was constructed and operated prior to modern solid waste management disposal and facility design and closure standards that were implemented by the U.S. Environmental Protection Agency (EPA) under the Resource Conservation and Recovery Act. Therefore, the Landfill was not originally constructed with a geosynthetic liner or compacted clay bottom liner, a leachate collection system, a landfill gas collection system, or a stormwater management system. Reportedly, soil was used as daily cover during waste filling, and a 2-foot (minimum) final layer of soil was reportedly placed over the waste mass during closure of the Landfill (in 1982) to support the vegetative cover.

Since 1982, the County has voluntarily, or through regulatory mandates, implemented and maintained best management practices for pre-regulatory era landfills to ensure compliance with Code of Maryland Regulations (COMAR) requirements. These best management practices include soil and vegetative cover system installation, cover system maintenance, water quality and landfill gas monitoring, and stormwater infrastructure improvements. The County currently maintains an active landfill gas collection system including flares, over 100 gas extraction wells, and horizontal gas conveyance piping. A network of onsite and offsite groundwater monitoring wells; a network of onsite landfill gas monitoring wells; environmental monitoring programs for groundwater, surface water, and landfill gas; and stormwater management infrastructure are also maintained at and for the Landfill site.

Since 1984, to monitor the quality of ground and surface water, Montgomery County DEP has been collecting groundwater samples at a total of 25 monitoring sites, which include 20 observation wells and 5 stream locations. Beginning in Fall 2010, as part of a Nature and Extent Study, 16 additional monitoring wells were installed at the site. The purpose of the Nature and Extent Study, directed by MDE and managed by the County, was to assess and investigate the nature and extent of environmental impacts near and potentially resulting from the Landfill.

The Gude Landfill Assessment of Corrective Measures (ACM), dated April 2016 (EA 2016), included a Work Plan for the Recommended Corrective Measure Alternative (CMA) – toupee capping and additional landfill gas collection. As part of the Work Plan, a total of 9 groundwater monitoring well shallow and deep pairs (18 total groundwater monitoring wells) were proposed. In 2017, 12 of these wells were installed (MW-16A/B, MW-19A/B, MW-21A/B, MW-22A/B, MW-23A/B, MW-24A/B), per the updated GW&SWMP. MW-17A/B and MW-18A/B (along the west/northwestern property boundary) are in an area that will be impacted by the capping project; therefore, the County plans to install these well pairs during construction of the cap. Monitoring well pair MW-20A/B will not be installed due to the site conditions as acknowledged by MDE in correspondence dated October 12, 2016 (Hynson 2016). Sampling and analysis are conducted semi-annually and include laboratory analysis for volatile organic compounds (VOCs), heavy metals, field parameters (temperature, pH, and conductivity), and other water quality parameters.

The ACM, approved July 8, 2016, included a Contingency Plan for the Recommended CMA, which provided a framework for the monitoring and evaluation of the selected CMA for the Landfill to document progress toward the attainment of established remedial action objectives (RAOs) for the site and dictate criteria or “triggers” for the implementation of contingency measures, in the event the recommended CMA fails to perform as anticipated. According to the ACM, a detailed



evaluation of the groundwater monitoring data will be conducted every 10 years after implementation of the selected CMA to assess progress toward meeting RAOs. The focus of the evaluation will be an assessment of changes in the concentrations of the constituents of potential concern, particularly those reported at concentrations that exceed their respective maximum contaminant levels (MCLs). The identified changes (or stable concentrations) will be evaluated in the context of the physical characteristics of local groundwater transport (groundwater velocity and direction).

As presented in the ACM, it is estimated that the timeframe to meet the RAO for groundwater at the Landfill will be approximately 30 to 40 years following toupee capping, as the water infiltration will be decreased. Following capping and the resulting decrease in leachate production, it is estimated that VOCs, which are the most widespread constituents of potential concern at the Landfill, would be degraded in approximately 30 to 40 years. For the metals exceedances that are representative of groundwater quality and likely reflect Landfill-related impacts (e.g., cadmium in well OB11), elevated concentrations are localized in nature and only slightly exceed the MCL. Therefore, it is expected that these concentrations will fall consistently below MCLs following capping and decreased leachate production.

Starting with the Spring 2019 sampling event, the County has contracted EA to perform the semi-annual sampling and analysis. The County is currently in the process of preparing the design for the Recommended CMA – toupee capping and additional landfill gas collection.

### **1.2.3 Hydrogeologic Setting**

The uplands section of the Piedmont is underlain by three principal types of bedrock aquifers: crystalline-rock and undifferentiated sedimentary-rock aquifers, aquifers in early Mesozoic basins, and carbonate-rock aquifers (Trapp and Horn 1997). The Landfill is underlain by the crystalline rock aquifer that extends over approximately 86 percent of the Piedmont Plateau Physiographic Province. At the Landfill, the crystalline rock that comprises the regional aquifer is overlain by unconsolidated material consisting of interbedded silts and clays and saprolite. Recorded logs from onsite and offsite borings for the groundwater monitoring wells correlated well with these general geological descriptions.

Based on information from site boring logs and well gauging, groundwater is present in the unconsolidated material, as well as the bedrock at the Landfill site. The groundwater table is typically present in the unconsolidated material along the perimeter of the Landfill and under the Derwood Station development, at depths ranging from approximately 3 to 60 feet below ground surface. Groundwater recharge at the Landfill is variable and is primarily determined by precipitation and runoff. Topographic relief, unconsolidated material, and surface recharge variations created by the Landfill may significantly affect the groundwater flow.

Groundwater flow is highly dependent on the composition and grain size of the sediments and, therefore, water likely moves more readily in the unconsolidated material than in the underlying bedrock. Groundwater in the bedrock (typically 20–60 feet below grade) is stored in, and moves through, fractures. No documentation of the degree of fracturing or orientation of bedrock fractures at the Landfill is available.

Based on site topography, some amount of surface water infiltration likely occurs through the natural cover system (grassy surface and soil layer) of the Landfill. Some of the infiltrating water likely moves vertically into the bedrock, while a portion also moves laterally along the boundary between the unconsolidated material and the surface of the bedrock and discharges to nearby streams and surface depressions.

## 2. SAMPLING PROCEDURES

On behalf of the County, EA performed the semi-annual groundwater and surface-water sampling for the Landfill. Upon arrival at each well, the condition of the well and surrounding area was noted. This process checks for evidence of tampering, evidence of physical damage, well integrity, evidence of breakage or heaving of the concrete pad (if present), and evidence of surface infiltration. After the physical inspection was completed, the static water levels were determined for all wells prior to initiation of any purging and sampling activities using an electronic water level indicator.

Prior to sample acquisition, wells were purged to ensure that the sample collection was as representative as possible of that in the aquifer. Low-flow purging and sampling methods (less than 0.5 liter per minute) were performed and achieved for the Fall 2020 sampling event at all monitoring well locations.

Temperature, pH, specific conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity were measured in the field during groundwater purging, unless noted otherwise. These determinations were made using a YSI meter. All instrumentation was calibrated prior to transport to the field and recalibrated during the event daily.

During purging of the wells, water quality parameters as well as purge rate and depth to water were monitored and recorded every 5 minutes. Purging of the standing water was considered complete when three consecutive readings of the water quality indicator parameters agreed within approximately 10 percent. The water quality parameters of temperature, pH, specific conductance, dissolved oxygen, and oxidation-reduction potential reached stabilization prior to sampling. Due to the characteristics of some of the wells, stabilization and the turbidity goal of less than 10 nephelometric turbidity units were not achieved prior to sampling.

After sampling parameters had stabilized to within 10 percent of each other, sample containers were filled by allowing the pump discharge to flow gently down the inside of the containers with as little agitation or aeration as possible. The first sample aliquot was used to fill the volatile organics parameter vials and was collected in a manner that minimized aeration and kept the glass containers free of bubbles and headspace. Containers that contained preservative were not filled to overflowing and were thoroughly mixed after filling by upending. Each pre-labeled container was placed in a cooler containing ice and a sample entry was made on the chain-of-custody form.

In addition, surface water samples were collected from five locations near the perimeter of the Landfill (ST015, ST065, ST70, ST80, and ST120). Surface water was collected using a clean, non-preservative bottle, which was rinsed several times with the surface water from the sampling location and then transferred into the proper sample container. Water quality parameters (temperature, pH, specific conductivity, oxidation-reduction potential, dissolved oxygen, and turbidity) were measured in the field and recorded.

Information regarding low-flow well purging was recorded on field data sheets, which are presented in **Appendix A**. The chain-of-custody documents are provided in **Appendix B**.

Groundwater elevations are presented in **Table 1**. Results of field-measured parameters, along with laboratory results, are shown in **Table 2**.

### 3. SUMMARY OF GROUNDWATER AND SURFACE WATER RESULTS

During the Fall 2020 semi-annual sampling event (July 27–August 6, 2020), EA sampled 51 groundwater monitoring wells and 5 surface water locations at the Landfill. This sampling event completes the second of two semi-annual monitoring events at the Landfill for the 2020 calendar year monitoring period in accordance with the revised GW&SWMP (July 2020).

During the Fall 2020 sampling event, groundwater monitoring well samples were analyzed by Maryland Spectral Services Laboratory located in Baltimore, Maryland. The laboratory utilized the following methods for analyses:

- Inorganics (total metals) (EPA 3010A/6020A)
- Mercury (EPA 3010A/6020A)
- Ammonia (EPA 350.1)
- Chloride (EPA 300.0)
- Nitrate (EPA 300.0)
- VOCs (EPA 8260B)
- 1,2-Dibromo-3-chloropropane; 1,2-dibromoethane (EPA 8011)
- Chemical oxygen demand (EPA 410.4)
- Sulfate (EPA 300.0)
- Alkalinity (SM 2320B)
- Total hardness (SM 2340B/C)
- Total dissolved solids (SM 2540C)
- Total suspended solids (USGS I-3765-85).

The laboratory reports are provided in **Appendix C**.

The monitoring program is designed to evaluate how the Landfill is affecting the groundwater quality. This section discusses groundwater quality for VOCs, total metals, and physical and general parameters. The analytical methods and parameters utilized during this event are in compliance with 40 Code of Federal Regulations, Part 258, *Criteria for Municipal Solid Waste Landfills*, and the GW&SWMP. Samples are analyzed semi-annually. All analytical results below practical quantitation limits that were reported are identified with a “J” qualifier; non-detect analytical results are identified with a “U” qualifier.

Alternate practical quantitation limits are presented for total iron, magnesium, chloride, nitrate, sulfate, and turbidity in the updated GW&SWMP (Montgomery County DEP 2020).

#### 3.1 GROUNDWATER FLOW

Based on the data collected from new and existing groundwater monitoring wells, the groundwater flow direction was inferred. The data indicated that groundwater flows in an easterly flow direction across the Landfill site, with minor northerly, northeasterly, and southeasterly flow components. Surface water elevations measured in 2011, as part of the Nature and Extent Study, from temporary

stream gauges were consistent with groundwater table elevations from adjacent groundwater monitoring wells and locations, indicating a hydraulic connection between groundwater and surface water. Groundwater elevation data collected were utilized to prepare a groundwater contour map for the Fall 2020 sampling event. The inferred groundwater flow contours have been overlain on the site topographic map and are presented on **Figure 2**. Groundwater elevations for Fall 2020 are presented in **Table 1**.

## 3.2 ANALYTICAL RESULTS

### 3.2.1 Quality Control Samples

During all sampling events, trip blanks were prepared and delivered to the laboratory accompanying the field samples on sampling days. Each sample was analyzed for VOCs, and was prepared prior to field sampling by the laboratory, sealed and labeled, and never opened during any sampling activities. Trip blanks are collected to identify potential contamination during shipping and handling of samples. VOCs were not detected in any of the trip blanks.

During the Fall 2020 sampling event, three field duplicate samples were collected at monitoring wells MW-13B (duplicate OB30), MW-24B (duplicate OB40), and OB11 (duplicate OB50) and analyzed for general water quality parameters, total metals, and VOCs.

The relative percent differences (RPDs) between sampling locations and corresponding duplicates were evaluated for the Fall 2020 sampling event to obtain an estimate of laboratory method precision. As shown in **Table 3**, four VOCs were detected with an RPD greater than 20 percent between the duplicates and corresponding samples, which is indicated by the gray shading. As shown in **Table 4**, the RPDs for nine inorganic parameters were greater than 20 percent. The RPD exceedances with the laboratory are likely related to the sample aliquots for the inorganic parameters.

### 3.2.2 Volatile Organic Compounds

EA performed semi-annual sampling, which included groundwater and surface water. A complete summary of Fall 2020 analytical results is provided in **Table 2**.

Fifteen monitoring wells had MCL exceedances for one or more parameters. Historical MCL exceedance graphs and historical analytical data tables are presented in **Appendix D** and **Appendix E**, respectively. There were no first time MCL exceedances during this sampling event.

The MCL exceedances are summarized in **Table 5**. There were no VOC detections in the surface water monitoring locations (ST015, ST065, ST70, ST80, and ST120). The following is a summary of the MCL exceedances based on well locations:

**Northwest**—Groundwater along the Northwest portion of the Landfill boundary (in the vicinity of groundwater monitoring wells MW-8, MW-11A, MW-11B, MW-12, MW-13A, MW-13B, MW-16A, MW-16B, OB03, OB03A, OB04, OB04A, and OB105) has historically been impacted by

VOCs. During this sampling event, MW-11B, MW-13A, MW-13B, OB03, OB03A, and OB04A had MCL exceedances.

- Tetrachloroethene (PCE) was detected above the MCL (5 micrograms per liter [ $\mu\text{g/L}$ ]) in MW-11B (8.1  $\mu\text{g/L}$ ), MW-13A (8.1  $\mu\text{g/L}$ ), and MW-13B (11.3  $\mu\text{g/L}$ );
- Trichloroethene (TCE) was detected above the MCL (5  $\mu\text{g/L}$ ) in MW-13A (11.9  $\mu\text{g/L}$ ) and MW-13B (12.3  $\mu\text{g/L}$ ); and
- Vinyl chloride (VC) was detected above the MCL (2  $\mu\text{g/L}$ ) in five wells: MW-13A (2.3  $\mu\text{g/L}$ ), MW-13B (5.2  $\mu\text{g/L}$ ), OB03 (9.8  $\mu\text{g/L}$ ), OB03A (6.4  $\mu\text{g/L}$ ), and OB04A (2.5  $\mu\text{g/L}$ ).

These exceedances are consistent with past events.

**West**—Groundwater along the West portion of the Landfill boundary (in the vicinity of groundwater monitoring wells MW-6, MW-7, MW-9, MW-10, MW-14A, MW-14B, MW-15, MW-19A, MW-19B, OB01, OB02, and OB02A) has historically been impacted by VOCs at lower concentrations than the Northwest portion of the Landfill.

- During this sampling event, PCE was detected at a concentration equal to the MCL (5  $\mu\text{g/L}$ ) in monitoring well MW-9 (5.0  $\mu\text{g/L}$ ). This detection is consistent with past events.

**Southwest**—Groundwater along the Southwest portion of the Landfill boundary (in the vicinity of groundwater monitoring wells MW-21A, MW-21B, OB015, and OB12) has historically been impacted by VOCs at concentrations lower than the Northwest portion of the Landfill, but higher than in the West portion. During this sampling event, wells MW-21A, MW-21B, and OB12 had MCL exceedances in this area of the Landfill.

- PCE was detected above the MCL (5  $\mu\text{g/L}$ ) in well OB12 (17.0  $\mu\text{g/L}$ );
- TCE was detected above the MCL (5  $\mu\text{g/L}$ ) in MW-21A (7.7  $\mu\text{g/L}$ ), MW-21B (17.2  $\mu\text{g/L}$ ), and OB12 (17.4  $\mu\text{g/L}$ ); VC was detected above the MCL (2  $\mu\text{g/L}$ ) in MW-21B (2.7  $\mu\text{g/L}$ ) and OB12 (7.0  $\mu\text{g/L}$ ); and
- 1,2-dichloropropane was detected above the MCL (5  $\mu\text{g/L}$ ) in OB12 (10.3  $\mu\text{g/L}$ ).

These exceedances are consistent with past events.

**South**—Groundwater along the South portion of the Landfill boundary (in the vicinity of groundwater monitoring wells MW-22A, MW-22B, MW-23A, MW-23B, OB11, OB11A, and OB025) has historically been impacted by VOCs at concentrations of a magnitude similar to those reported in the Northwest portion of the Landfill. During this sampling event, wells OB11, OB11A, and OB025 had MCL exceedances in this area of the Landfill.

- *Cis*-1,2-dichloroethene was detected above the MCL (70 µg/L) in OB11 (85.5 µg/L);
- PCE was detected above the MCL (5 µg/L) in OB11 (8.3 µg/L); TCE was detected above the MCL (5 µg/L) in OB11 (9.3 µg/L) and OB11A (8.8 µg/L); and
- VC was detected above the MCL (2 µg/L) in OB11 (13.1 µg/L), OB11A (16.5 µg/L), and OB025 (3.8 µg/L).

These exceedances are consistent with past events.

**Southeast**—Groundwater along the Southeast portion of the Landfill boundary (in the vicinity of groundwater monitoring wells MW-3A, MW-3B, MW-4, MW-24A, MW-24B, OB08, OB08A, and OB10) has historically been impacted by VOCs at relatively low concentrations. During this sampling event, wells MW-24A and OB10 had MCL exceedances in this area of the Landfill.

- VC was detected above the MCL (2 µg/L) in MW-24A (9.5 µg/L) and OB10 (27.3 µg/L). These exceedances are consistent with past events.

**Northeast**—Groundwater along the Northeast portion of the Landfill boundary (in the vicinity of groundwater monitoring wells MW-1B, MW-2A, MW-2B, OB06, OB07, OB07A, and OB102) has historically had limited VOC detections.

- No MCL exceedances for VOCs were detected during this sampling event.

### 3.2.3 Inorganics

In Spring 2015, based on recommendations by MDE, the method of collecting samples changed from the three well volume purge method to the low-flow/low-stress method. The primary reason for this change in collection was to reduce the sample turbidity level, as turbidity could potentially interfere with the accuracy of metal analyses.

Two groundwater monitoring wells had MCL exceedances in the Southern (OB11) and Southeastern (MW-24B) portions of the Landfill. A summary of the metals MCL exceedances is shown in **Table 6**.

- Total cadmium was detected above the MCL (0.005 milligrams per liter [mg/L]) in OB11 (0.0117 mg/L).
- Total mercury was detected above the MCL (0.002 mg/L) in OB11 (0.00353 mg/L).
- Total arsenic was detected above the MCL (0.01 mg/L) in MW-24B (0.0309 mg/L).

All the exceedances are consistent with historical data.



All five surface monitoring locations had detections for barium, calcium, iron, magnesium, manganese, nickel, potassium, and sodium, but had no MCL exceedances.

- Chromium was detected below the MCL in only ST70;
- Copper was detected below the MCL in ST015, ST70, and ST120;
- Vanadium was detected below the MCL in ST015 and ST70; and
- Zinc was detected below the MCL in ST015, ST70, and ST80.

All the detections are consistent with historical data.

### **3.2.4 General Water Quality Parameters**

None of the groundwater monitoring wells had an MCL exceedance for any of the general water quality parameters.

The five surface water monitoring locations (ST015, ST065, ST70, ST80, and ST120) did not have any MCL exceedances for any of the general water quality parameters.

### **3.2.5 Methane**

EA also measured the headspace within the groundwater monitoring well casings for methane. Historical methane concentrations recorded within the wells are presented in **Table 7**. Methane was not detected in any of the monitoring wells during this sampling event.

#### 4. STATISTICAL ANALYSIS

EA performed statistical analysis for Gude Landfill groundwater monitoring data for the Fall 2020 sampling event. Statistical analysis was performed for wells within the Landfill groundwater monitoring network using data collected from 2001 through August 2020, when available.

Groundwater monitoring wells OB01, OB02, OB02A, OB03, OB03A, OB04, OB04A, OB06, OB07, OB07A, OB08, OB08A, OB10, OB11, OB11A, OB12, OB015, OB025, OB102, and OB105 were installed between 1984 and 1988. The statistical trend analysis for these wells used monitoring data since 2001. Groundwater monitoring wells MW-1B, MW-2A, MW-2B, MW-3A, MW-3B, MW-4, MW-6, MW-7, MW-8, MW-9, MW-10, MW-11A, MW-11B, MW-12, MW-13A, and MW-13B were installed in 2010 and first sampled in July 2010. Twelve additional groundwater monitoring wells (MW-16A, MW-16B, MW-19A, MW-19B, MW-21A, MW-21B, MW-22A, MW-22B, MW-23A, MW-23B, MW-24A, and MW-24B) were installed in 2017. Groundwater monitoring wells MW-14A, MW-14B, and MW-15 were installed in 2011 and have been sampled five times, in September 2011, April 2019, August 2019, March 2020, and August 2020. All available data were used in the statistical analysis for these wells.

Low-flow groundwater sampling methods were employed beginning with the Spring 2015 event and will continue to be utilized by the County during future monitoring events. Previously, three volume well purge methods, which use higher flow rates, had been used. Higher flow rates can be associated with higher turbidity and can impact concentrations of constituents in groundwater samples. As a result, this change in methodologies may require further evaluation to exclude the historical data prior to employing the low-flow sampling method and potential modification of the statistical methods used as part of the semi-annual groundwater evaluation.

Because there is insufficient offsite/background well data to conduct interwell statistical comparisons, intrawell Mann-Kendall trend tests were performed consistent with the EPA Unified Guidance (EPA 2009). If interwell analysis is required in the future, additional background data will need to have been collected from an offsite/background well (i.e., MW-14A/B).

##### 4.1 METHODOLOGY

Gude Landfill ceased accepting waste in 1982 and is, therefore, only governed by the State of Maryland under COMAR and as directed by MDE. Since 1982, the County has voluntarily, or through regulatory mandates, implemented and maintained best management practices for pre-regulatory era landfills to ensure compliance with COMAR requirements, including routine monitoring of groundwater and surface water. Part of routine water monitoring includes statistical analysis of groundwater data.

The Mann-Kendall test for monotonic trend (Gilbert 1987) was used to identify constituents with concentrations that display an increasing or decreasing trend over time. The basic principle of the Mann-Kendall test is to examine the sign of pairwise differences of observed values. The test does not have distributional assumptions (i.e., it does not require the data to be normally distributed or follow any other distribution) and the test also can handle non-detects and irregular

sampling intervals. The data are ordered by sampling date for each well/parameter pair, and each concentration is compared to previous/historical concentrations. The test statistics are calculated based on the number of increases and decreases from one sampling event to another. The significance probability of an increasing or decreasing trend is then calculated from the test statistic and the number of sampling events for each well/parameter pair. Reported concentrations less than the laboratory detection limit were treated as 0. Exact two-sided probabilities for the null distribution of the Mann-Kendall test were obtained from Hollander and Wolfe (1973). The null hypothesis of no trend was evaluated against the two-sided alternative hypothesis. Rejection of the null hypothesis at the 95 percent significance level (i.e., two-sided  $p < 0.05$ ) led to the conclusion that the monitoring data contain a statistically significant trend. Statistically significant trends were characterized as increasing ( $S > 0$ ) or decreasing ( $S < 0$ ).

The statistical test does not evaluate the magnitude of the increase or decrease associated with the results of the analysis.

A trend analysis was performed for each chemical constituent at every monitoring well if:

1. The monitoring well had been sampled on at least four independent time periods
2. At least 4 sample results for a constituent exceeded the analytical laboratory detection limit.

## 4.2 GROUNDWATER TREND RESULTS

Trend analysis results for VOCs, metals, and general indicator parameters in groundwater are discussed in this section. **Table 8** identifies parameters with statistically increasing trends and **Table 9** identifies parameters with statistically decreasing trends.

### 4.2.1 Volatile Organic Compounds

Thirteen VOCs were identified as having increasing statistical trends, and 20 of the groundwater monitoring wells had one or more VOCs with increasing statistical trends (**Table 8**). Fifteen VOCs were identified as having decreasing trends, and 24 of the groundwater monitoring wells had one or more VOCs with decreasing statistical trends (**Table 9**).

Eleven VOCs (1,2-dichloroethane, 1,2-dichloropropane, 1,4-dichlorobenzene, benzene, chlorobenzene, *cis*-1,2-dichloroethene, methylene chloride, PCE, *trans*-1,2-dichloroethene, TCE, and VC) had both decreasing and increasing trends. Two VOCs had only increasing trends: 1,2-dichlorobenzene (OB03, OB11, and OB11A) and chloroform (MW-13A). Four VOCs had only decreasing trends: 1,1-dichloroethane (MW-6, MW-13A, MW-13B, MW-24B, OB01, OB03, OB03A, and OB11A), chloroethane (OB03 and OB03A), toluene (MW-24B), and trichlorofluoromethane (OB11 and OB11A).

The following is a summary of the trends based on well locations.

**Northwest**—This area represents groundwater along the Northwest portion of the Landfill boundary in the vicinity of groundwater monitoring wells MW-8, MW-11A, MW-11B, MW-12, MW-13A, MW-13B, MW-16A, MW-16B, OB03, OB03A, OB04, OB04A, and OB105.

- MW-8, MW-11A, MW-12, MW-16A, and MW-16B had no statistically significant increasing or decreasing VOC trends this event.
- MW-13B had no statistically significant increasing VOC trends this event.
- MW-11B, OB04, and OB105 had no statistically significant decreasing VOC trends this event.
- Statistically significant increasing VOC trends were observed for MW-11B (3 parameters), MW-13A (1 parameter), OB03 (2 parameters), OB03A (1 parameter), OB04 (4 parameters), OB04A (5 parameters), and OB105 (2 parameters).
- Statistically significant decreasing VOC trends were observed for MW-13A (9 parameters), MW-13B (12 parameters), OB03 (8 parameters), OB03A (7 parameters), and OB04A (1 parameter).

**West**—This area represents groundwater along the West portion of the Landfill boundary in the vicinity of groundwater monitoring wells MW-6, MW-7, MW-9, MW-10, MW-14A, MW-14B, MW-15, MW-19A, MW-19B, OB01, OB02, and OB02A.

- MW-10, MW-14A, MW-14B, and MW-15 had no statistically significant increasing or decreasing VOC trends this event.
- MW-6, MW-9, OB01, OB02, and OB02A had no statistically significant increasing VOC trends this event.
- MW-19A and MW-19B had no statistically significant decreasing VOC trends this event.
- Statistically significant increasing VOC trends were observed for MW-7 (2 parameters), MW-19A (1 parameter), and MW-19B (1 parameter).
- Statistically significant decreasing VOC trends were observed for MW-6 (2 parameters), MW-7 (2 parameters), MW-9 (1 parameter), OB01 (4 parameters), OB02 (1 parameter), and OB02A (2 parameters).

**Southwest**—This area represents groundwater along the Southwest portion of the Landfill boundary in the vicinity of groundwater monitoring wells MW-21A, MW-21B, OB015, and OB12.

- MW-21A and MW-21B had no statistically significant increasing or decreasing VOC trends this event.

- OB015 had no statistically significant increasing VOC trends this event.
- Statistically significant increasing VOC trends were observed for OB12 (8 parameters).
- Statistically significant decreasing VOC trends were observed for OB015 (1 parameter) and OB12 (1 parameter).

**South**—This area represents groundwater along the South portion of the Landfill boundary in the vicinity of groundwater monitoring wells MW-22A, MW-22B, MW-23A, MW-23B, OB11, OB11A, and OB025.

- MW-22A and MW-23B had no statistically significant increasing or decreasing VOC trends this event.
- MW-22B and MW-23A had no statistically significant increasing VOC trends this event.
- OB025 had no statistically significant decreasing VOC trends this event.
- Statistically significant increasing VOC trends were observed for OB11 (2 parameters), OB11A (3 parameters), and OB025 (1 parameter).
- Statistically significant decreasing VOC trends were observed for MW-22B (2 parameters), MW-23A (1 parameter), OB011 (3 parameters), and OB11A (8 parameters).

**Southeast**—This area represents groundwater along the Southeast portion of the Landfill boundary in the vicinity of groundwater monitoring wells MW-3A, MW-3B, MW-4, MW-24A, MW-24B, OB08, OB08A, and OB10.

- MW-3A, MW-3B, MW-4, and MW-24A had no statistically significant increasing or decreasing VOC trends this event.
- MW-24B had no statistically significant increasing VOC trends this event.
- OB08 had no statistically significant decreasing VOC trends this event.
- Statistically significant increasing VOC trends were observed for OB08 (3 parameters), OB08A (2 parameters), and OB10 (6 parameters).
- Statistically significant decreasing VOC trends were observed for MW-24B (2 parameters), OB08A (1 parameter), and OB10 (1 parameter).

**Northeast**—This area represents groundwater along the Northeast portion of the Landfill boundary in the vicinity of groundwater monitoring wells MW-1B, MW-2A, MW-2B, OB06, OB07, OB07A, and OB102.

- MW-1B had no statistically significant increasing or decreasing VOC trends this event.
- MW-2A, MW-2B, and OB07A had no statistically significant increasing VOC trends this event.
- OB07 and OB102 had no statistically significant decreasing VOC trends this event.
- Statistically significant increasing VOC trends were observed for OB06 (1 parameter), OB07 (1 parameter), and OB102 (1 parameter).
- Statistically significant decreasing VOC trends were observed for MW-2A (1 parameter), MW-2B (1 parameter), OB06 (1 parameter), and OB07A (2 parameters).

#### 4.2.2 Metals

Fourteen metals (total) were identified as having increasing statistical trends, and 28 of the groundwater monitoring wells had one or more metals with increasing statistical trends (**Table 8**). Seventeen metals (total) were identified as having decreasing statistical trends, and 34 of the groundwater monitoring wells had one or more metals with decreasing statistical trends (**Table 9**). The trend analysis does not indicate an overall trend of improvement or degradation in the groundwater quality with respect to metals concentrations. Beginning with the Spring 2015 sampling event, low-flow groundwater sampling methods were employed due to issues with high metal concentrations potentially related to high turbidity. Future data will be assessed to determine whether the reported concentrations of metals in samples collected using low-flow sampling methods, once the low-flow method is performed accurately at all well locations, are consistently lower than the concentrations reported using the old methodology. If such a difference is observed, the changed sampling methodology could result in artificial decreasing trends in total metals, which do not reflect changes in groundwater chemistry. If needed, the statistical methods used as part of the semi-annual groundwater evaluation could be modified to address such artificial trends. In order to conduct meaningful comparisons, it is recommended that a minimum of 4 years of low-flow sampling (eight events) be collected before conducting hypothesis testing to compare the low-flow methodology to those obtained using three well volume purge methods. Since there was some variability in the low-flow methodology prior to 2019, this assessment will be performed in 2023.

#### 4.2.3 General Indicator Parameters

Thirty-six groundwater monitoring well locations were determined to have statistically increasing trends for one or more general indicator parameters (**Table 8**), and 39 groundwater monitoring well locations were determined to have statistically decreasing trends for general indicator parameters (**Table 9**).

## 5. CONCLUSIONS

This report summarizes the groundwater data obtained from the Fall 2020 semi-annual sampling event and historical data dating back to 2001. The data indicate that groundwater has a primarily easterly flow direction across the Landfill site, which is consistent with historical flow direction. Fifteen monitoring wells had MCL exceedances for one or more VOCs and two monitoring wells had MCL exceedances for one or more metals during this monitoring event. None of the general water quality parameters were detected above the MCLs during this sampling event. None of the MCL exceedances were observed for the first time during this event and are generally consistent with historical data.

All historical data have been evaluated and statistical testing and analysis were performed as described in Section 4. Based on statistical analysis, concentrations of VOCs, metals, and general indicator parameters are generally stable and historically consistent in the groundwater monitoring wells across the site. In general, the groundwater and surface water results are consistent with historical data and trends. Semi-annual monitoring will continue with the Spring 2021 event in accordance with the updated GW&SWMP.

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## 6. REFERENCES

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# Figures

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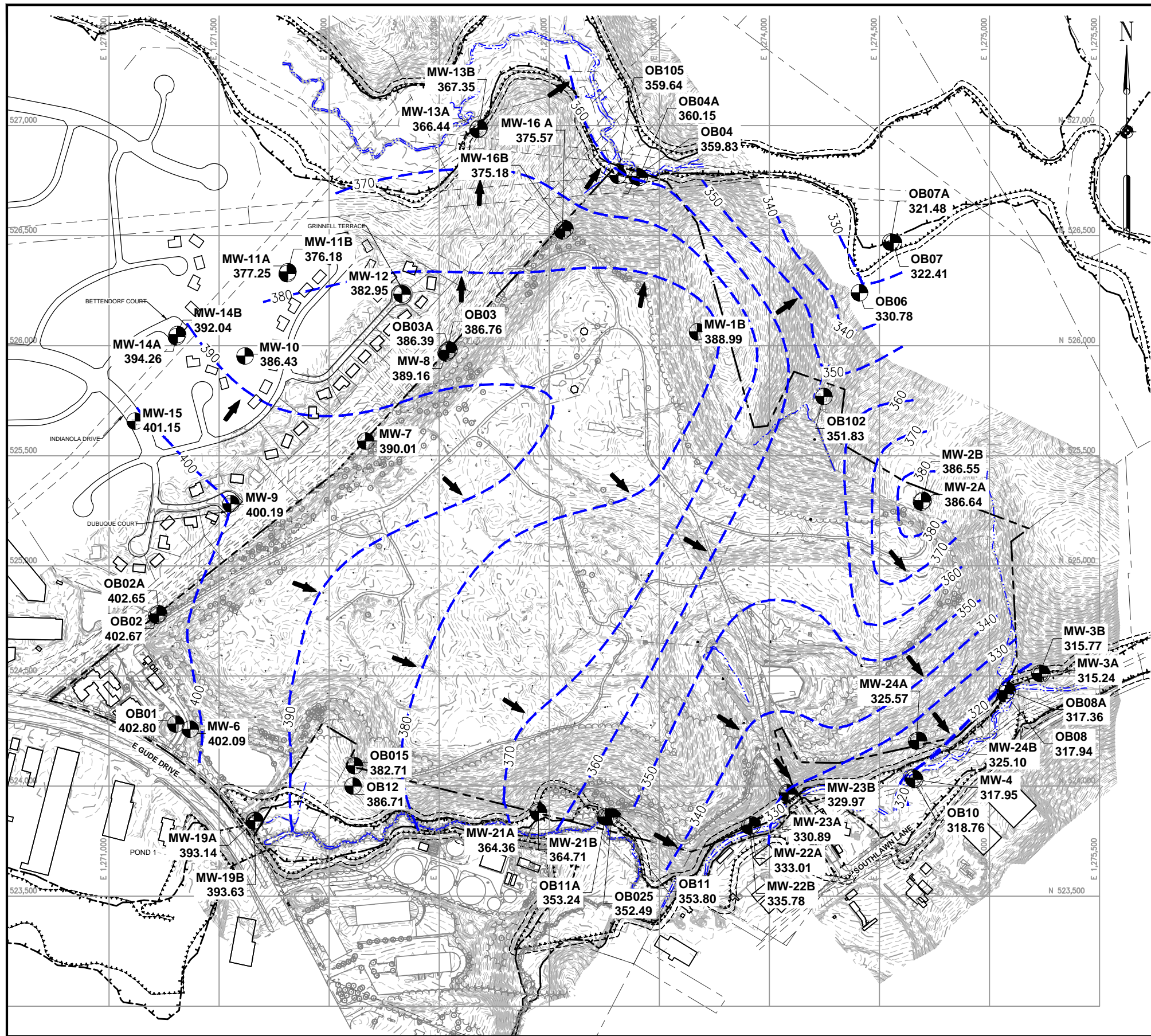


Gude Landfill  
Montgomery County, Maryland

Figure 1.  
Groundwater and Surface Water Monitoring Locations  
May 2017

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FILE PATH: Q:\PROJECTS\1564601 - GUDE LF DESIGN\CAD\PRODUCTION\FIGURES\GROUNDWATER CONTOUR MAP\FALL 2020\FIG 2 - AUGUST 2020.DWG [4-1 (11X17)] 12/20/16

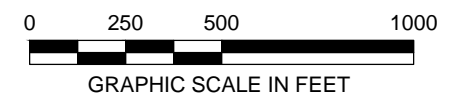


**NOTES:**

1. TOPOGRAPHY COMPILED BY WALLACE MONTGOMERY. USING PHOTOGRAMMETRIC METHODS WITH PHOTOGRAPHY DATED MAY 2018 AND SUPPLEMENTED WITH FIELD SURVEY PERFORMED BY WALLACE MONTGOMERY.
2. SURVEY OF STREAMS TAKEN FROM MAY 2018 PHOTOGRAMMETRY BY WALLACE MONTGOMERY.
3. HORIZONTAL DATUM IS NORTH AMERICAN DATUM OF 1983/91 (NAD-83/91). COORDINATE SYSTEM IS MARYLAND STATE PLANE, U.S. SURVEY FEET. VERTICAL DATUM IS NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88) WITH ELEVATIONS SHOWN IN FEET.
4. FIELD SURVEY OF MW-14A, MW-14B, & MW-15, TEMPORARY GROUNDWATER MONITORING LOCATIONS, AND STREAM GAUGE LOCATIONS PERFORMED BY C.C. JOHNSON & MALHOTRA, P.C., AUGUST 2011.
5. THE PROPERTY BOUNDARY SHOWN REFLECTS A LAND EXCHANGE BETWEEN MONTGOMERY COUNTY AND M-NCPPC WHICH OCCURRED ON 21 OCTOBER 2014.

**LEGEND**

- - - - - 10-FT ELEVATION CONTOUR
- - - - - 2-FT ELEVATION CONTOUR
- PROPERTY BOUNDARY
- STREAM
- - - - - 320 - - - - - GROUNDWATER CONTOUR INTERVAL (10 FEET)
- ⊙ MW-1B 393.00 EXISTING GROUNDWATER MONITORING WELL GROUNDWATER ELEVATION (FT. MSL)
- ➔ INFERRED GROUNDWATER FLOW



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PROJECT NUMBER: 15646.01	DESIGNED BY: PL/LJO	DRAWN BY: CVH	FIGURE: 2
DATE: NOVEMBER 2020	CHECKED BY: PL/LJO	PROJECT MGR.: LJO	SHEET NUMBER: -

**GUDE LANDFILL  
 SEMI-ANNUAL REPORT  
 GROUNDWATER AND SURFACE WATER**  
 MONTGOMERY COUNTY, MARYLAND

**FIGURE 2  
 GROUNDWATER CONTOUR MAP  
 AUGUST 2020**

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# Tables

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**Table 1**  
**Groundwater Elevation Data (feet above mean sea level)**

Monitoring Well	Well Top of Casing Elevation	Water Elevation													Fall 2020 Depth to Water
		F2014	S2015	F2015	S2016	F2016	S2017	F2017	S2018	F2018	S2019	F2019	S2020	F2020	
MW1B	434.00	391.76	387.14	387.58	383.79	383.44	381.07	378.78	376.73	380.47	397.70	393.00	387.00	388.99	45.01
MW2A	445.53	388.79	378.42	381.99	374.97	375.27	371.55	368.49	367.57	367.64	399.63	391.88	379.73	386.64	58.89
MW2B	444.45	388.74	378.42	382.01	374.59	375.40	371.18	367.40	364.37	365.32	399.65	391.35	379.95	386.55	57.90
MW3A	324.54	317.61	316.13	314.89	315.45	314.59	314.69	314.13	314.43	314.22	315.54	315.54	315.54	315.24	9.30
MW3B	324.73	316.15	318.24	315.28	317.07	316.30	315.56	314.33	315.11	314.95	319.71	317.73	316.73	315.77	8.96
MW04	324.75	318.17	318.59	317.93	318.35	317.77	318.00	317.93	317.98	318.52	318.35	317.45	318.20	317.95	6.80
MW06	417.29	401.58	403.40	400.31	402.76	400.77	399.84	400.67	401.42	402.73	403.49	401.59	403.24	402.09	15.20
MW07	433.81	389.88	391.09	387.91	388.37	386.13	383.42	382.90	383.93	388.15	394.91	391.81	390.66	390.01	43.80
MW08	412.66	389.40	394.17	387.40	389.92	386.31	383.59	382.99	385.29	394.40	396.16	390.66	391.46	389.16	23.50
MW09	417.69	399.12	400.95	397.09	400.05	397.19	396.30	395.78	397.55	399.28	403.44	399.49	400.69	400.19	17.50
MW10	394.03	379.96	390.48	383.56	387.30	383.45	383.15	380.53	384.52	387.34	391.43	387.53	387.78	386.43	7.60
MW11A	393.45	376.37	381.79	374.79	379.66	374.86	375.22	374.24	377.27	378.29	379.18	377.45	379.75	377.25	16.20
MW11B	393.40	376.06	378.93	374.22	377.68	374.43	375.26	374.20	376.03	377.44	382.10	376.40	378.15	376.18	17.22
MW12	397.55	390.12	384.58	380.85	383.77	380.33	379.40	378.51	380.79	384.05	389.34	383.45	383.90	382.95	14.60
MW13A	373.37	364.93	368.00	365.60	367.52	366.02	366.72	366.15	367.04	367.31	366.37	365.87	367.27	366.44	6.93
MW13B	373.35	367.77	368.72	366.49	368.24	366.87	367.41	366.85	367.66	368.11	368.53	367.15	368.05	367.35	6.00
MW-14A*	412.31	--	--	--	--	--	--	--	--	--	398.91	394.91	396.11	394.26	18.05
MW-14B*	412.34	--	--	--	--	--	--	--	--	--	397.24	392.04	394.19	392.04	20.30
MW-15*	414.45	--	--	--	--	--	--	--	--	--	405.25	401.85	402.95	401.15	13.30
MW-16A	420.11	--	--	--	--	--	--	371.14	370.79	373.44	378.55	375.91	374.81	375.57	44.54
MW-16B	418.68	--	--	--	--	--	--	370.54	370.29	372.79	376.88	374.88	374.08	375.18	43.50
MW-19A	397.54	--	--	--	--	--	--	392.50	393.33	394.22	393.29	393.04	393.34	393.14	4.40
MW-19B	397.33	--	--	--	--	--	--	392.51	393.32	394.25	393.71	393.13	393.63	393.63	3.70
MW-21A	372.45	--	--	--	--	--	--	362.89	364.67	365.61	367.10	368.45	366.35	364.36	8.09
MW-21B	371.61	--	--	--	--	--	--	363.24	364.73	365.57	367.01	365.31	366.11	364.71	6.90
MW-22A	338.79	--	--	--	--	--	--	332.91	332.61	332.84	333.58	332.99	332.89	333.01	5.78
MW-22B	339.58	--	--	--	--	--	--	334.38	334.75	335.16	334.54	335.28	335.58	335.78	3.80
MW-23A	354.89	--	--	--	--	--	--	329.35	329.68	329.81	331.27	330.49	331.19	330.89	24.00
MW-23B	354.47	--	--	--	--	--	--	330.66	328.73	329.61	331.22	330.87	330.02	329.97	24.50
MW-24A	355.02	--	--	--	--	--	--	323.78	323.67	323.99	328.02	326.02	325.82	325.57	29.45
MW-24B	354.17	--	--	--	--	--	--	323.41	323.18	323.54	326.17	325.07	325.37	325.10	29.07
OB01	415.90	400.82	402.59	399.40	401.84	399.96	399.10	399.95	400.66	402.00	402.99	401.60	402.80	402.80	13.10
OB02	418.72	401.91	404.14	400.31	403.28	400.73	399.79	400.42	401.67	404.27	405.72	402.72	403.92	402.67	16.05
OB02A	418.70	401.95	404.52	400.22	403.45	400.65	399.76	400.32	401.51	404.29	405.70	402.50	404.05	402.65	16.05
OB03	409.86	386.24	389.42	384.25	386.18	383.14	380.56	379.99	381.86	388.65	392.61	387.86	388.26	386.76	23.10
OB03A	410.07	386.23	388.46	384.24	386.17	383.08	380.61	380.06	381.94	388.81	392.82	387.77	387.97	386.39	23.68
OB04	364.21	359.37	359.95	358.57	359.42	358.41	358.65	358.27	358.71	358.83	361.01	359.31	359.51	359.83	4.38
OB04A	365.37	359.94	360.63	359.19	360.06	359.06	359.21	358.73	359.19	359.46	361.35	359.37	360.47	360.15	5.22

NOTES: F=Fall; S= Spring

**Table 1**  
**Groundwater Elevation Data (feet above mean sea level)**

Monitoring Well	Well Top of Casing Elevation	Water Elevation													Fall 2020 Depth to Water
		F2014	S2015	F2015	S2016	F2016	S2017	F2017	S2018	F2018	S2019	F2019	S2020	F2020	
OB06	339.78	330.94	332.99	328.63	330.59	328.40	328.81	324.06	329.21	329.60	334.58	331.98	331.38	330.78	9.00
OB07	329.38	322.70	324.22	319.60	322.50	319.66	320.50	318.44	320.97	321.23	325.88	322.68	323.23	322.41	6.97
OB07A	328.44	321.97	323.50	319.00	321.96	319.20	320.18	318.19	320.67	320.73	325.03	321.99	322.84	321.48	6.96
OB08	324.99	319.06	319.23	318.00	318.40	317.51	317.23	316.69	316.88	316.79	320.24	318.99	318.99	317.94	7.05
OB08A	325.28	318.73	318.91	317.65	318.04	317.19	316.89	316.46	316.65	316.55	319.88	318.98	319.08	317.36	7.92
OB10	325.77	318.68	319.18	318.27	318.85	318.29	318.50	318.38	318.45	319.06	319.28	318.22	319.07	318.76	7.01
OB11	362.56	352.51	352.86	350.96	351.45	353.29	352.34	352.11	352.74	352.89	354.15	353.16	354.46	353.80	8.76
OB11A	361.90	360.32	361.13	359.66	360.39	354.02	352.40	352.18	352.82	352.77	353.55	352.80	353.85	353.24	8.66
OB12	405.01	353.58	354.71	352.79	353.91	343.36	386.78	385.77	387.47	387.80	389.81	386.71	389.01	386.71	18.30
OB015	410.01	352.99	353.91	352.44	353.42	338.52	387.55	386.20	388.64	388.86	392.36	387.91	390.21	382.71	27.30
OB025	361.89	386.75	389.49	385.26	388.54	395.39	352.21	351.87	352.96	352.71	354.34	352.99	353.89	352.49	9.40
OB102	363.17	387.69	391.47	386.07	390.45	397.19	349.71	348.57	349.17	350.29	353.86	352.67	351.87	351.83	11.34
OB105	363.24	352.94	354.67	352.10	354.17	357.97	359.64	359.07	359.69	360.70	361.26	360.24	360.54	359.64	3.60

\* Monitoring wells MW-14A, MW-14B, and MW-15 were gauged during Spring 2019 event for the first time since installation in 2011.

NOTES: F=Fall; S= Spring

**Table 2  
Fall 2020 Results**

Parameters	Units	MCL	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11A	
			07/30/2020	07/30/2020	07/30/2020	07/28/2020	07/28/2020	08/3/2020	08/5/2020	08/5/2020	08/5/2020	08/5/2020	08/6/2020	08/6/2020	08/6/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
<b>General Parameters</b>															
Alkalinity	mg/L	--	39.2	14.6	16.6	13.3	22.2	43	211	200	257	11	13.2	13.9	
Ammonia Nitrogen	mg/L	--	0.11	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.97	0.1 U	0.1 U	0.1 U	0.1 U	
Chemical Oxygen Demand	mg/L	--	4.8	3.6	11.2	8.1	17	26.6	10.9	56.6	29.8	18.4	26.2	3 U	
Chloride	mg/L	--	2.6	3.2	4.1	2.7	2.9	158	503	162	19.9	19.9	1	25.9	
Dissolved Oxygen, Field	mg/L	--	7.55	2.81	3.19	8.68	7.8	0.68	0.57	0.57	0.51	5.46	1.83	6.29	
Hardness	mg/L	--	31.2	17.8	19.2	13.9	15.7	203	525	360	517	49.5	19	71.6	
Nitrate	mg/L	10	0.15 J	0.2 U	0.2 U	0.2 U	0.2 U	0.68	0.2 U	0.2 U	3.25	1.28	0.2 U	2.53	
ORP, Field	mV	--	149.7	262.1	270.5	223.2	156.1	184.7	107.4	103.4	70.9	324.7	506.1	205.1	
pH, Field	SU	--	5.99	5.17	4.38	5.65	6.45	5.74	6.00	6.03	6.96	5.79	6.17	5.44	
pH, Lab	SU	--	6.47	5.51	5.39	6.03	6.51	5.83	5.90	6.10	6.91	5.23	6.06	5.45	
Specific Conductivity, Field	mS/cm	--	101.1	59.1	69.6	46	100.1	574	1982	933	1183	116.8	63.3	159.1	
Specific Conductivity, Lab	mS/cm	--	87.3	53.9	59.5	41.6	53.6	638	2160	1120	1360	117	52.5	175	
Sulfate, total	mg/L	--	1 U	0.56 J	1 U	0.58 J	1.66	4.57	37.2	54.3	56.1	1 U	2.03	6.3	
Temperature, field	°C	--	18.8	18.9	20.4	17.5	17.2	18.1	20.9	20.6	18.3	23	18.1	17	
Total Dissolved Solids	mg/L	--	75	53	51.5	49.3	54.3	365	1140	646	791	93.5	59.5	133	
Total Suspended Solids	mg/L	--	27.9	16.2	3.9	246	7.1	107	91.1	20.4	539	141	117	347	
Turbidity, Lab	NTU	--	6.16	3.56	1.11	20.1	4.8	33.2	21	10.9	13.7	160	31.1	196	
Turbidity, Field	NTU	--	22.1	119.3	46.7	1209.1	9	53.8	29.8	43.8	20.5	419.1	95.2	22.1	
<b>Inorganics</b>															
Antimony, total	mg/L	0.006	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Arsenic, total	mg/L	0.01	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Barium, total	mg/L	2	0.00317	0.0113	0.0126	0.0075	0.00615	0.0463	0.415	0.106	0.122	0.0878	0.0269	0.0929	
Beryllium, total	mg/L	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Cadmium, total	mg/L	0.005	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Calcium, total	mg/L	--	5.46	3.1	3.39	2.46	3.44	36.1	82.7	69	87.5	5.72	3.78	13.3	
Chromium, total	mg/L	0.1	0.0123	0.00347	0.00267	0.00628	0.00651	0.00551	0.00346	0.00374	0.00263	0.0126	0.00457	0.0223	
Cobalt, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.00111	0.001 U	0.00118	0.76	0.0886	0.00143	0.00737	0.00108	0.00524	
Copper, total	mg/L	--	0.0024	0.0011	0.001 U	0.00322	0.00375	0.00235	0.00335	0.0219	0.00404	0.00733	0.00911	0.00982	
Iron, total	mg/L	--	0.774	0.18	0.0498 J	1.7	0.242	3.41	3.68	1.75	0.497	8.53	1.71	9	
Lead, total	mg/L	0.015	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00123	0.001 U	0.001 U	0.001 U	0.0064	0.001 U	0.0035	
Magnesium, total	mg/L	--	4.26	2.44	2.62	1.9	1.72	27.3	77.3	45.5	72.6	8.56	2.32	9.33	
Manganese, total	mg/L	--	0.0191	0.0344	0.0536	0.0468	0.0118	0.115	56.9	6.51	0.0378	0.346	0.0602	0.152	
Mercury, total	mg/L	0.002	0.0001 U	0.000347	0.000523	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	
Nickel, total	mg/L	--	0.00721	0.00239	0.001 U	0.00596	0.00554	0.00438	0.0885	0.0171	0.00387	0.0118	0.00438	0.0234	
Potassium, total	mg/L	--	1.15	1.43	1.4	1.3	0.905	3.45	4.57	4.58	13.2	3.12	2.63	2.16	
Selenium, total	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00692	0.001 U	0.001 U	0.00232	0.001 U	0.00138	
Silver, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Sodium, total	mg/L	--	8	4.13	4.36	3.76	5.36	33	174	65.3	80.2	4.63	2.8	6.39	
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Vanadium, total	mg/L	--	0.00182	0.001 U	0.001 U	0.00261	0.001 U	0.00187	0.001 U	0.0033	0.00154	0.0119	0.00845	0.0187	
Zinc, total	mg/L	--	0.00469	0.004 U	0.004 U	0.00539	0.00978	0.0144	0.045	0.0152	0.004 U	0.0795	0.0245	0.0365	
<b>VOCs</b>															
1,1,1,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	mg/L	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,2-Trichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1-Dichloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	

Table 2  
Fall 2020 Results

Parameters	Units	MCL	MW-1B	MW-2A	MW-2B	MW-3A	MW-3B	MW-4	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11A	
			07/30/2020	07/30/2020	07/30/2020	07/28/2020	07/28/2020	08/3/2020	08/5/2020	08/5/2020	08/5/2020	08/5/2020	08/6/2020	08/6/2020	08/6/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dibromo-3-chloropropane	mg/L	0.2	0.047 U	0.048 U	0.047 U	0.048 U	0.047 U	0.048 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	0.047 U	
1,2-Dibromoethane	mg/L	0.05	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	
1,2-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,2-Dichloropropane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,3-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,4-Dichlorobenzene	mg/L	75	1 U	1 U	1 U	1 U	1 U	1 U	5.9	7.6	1 U	1 U	1 U	1 U	
2,2-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
2-Butanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
2-Hexanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
4-Methyl-2-Pentanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Acetone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Acrylonitrile	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Allyl Chloride	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Benzene	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromochloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromodichloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromoform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Bromomethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Carbon Disulfide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Carbon Tetrachloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chlorobenzene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	9.5	2.2	1 U	1 U	1 U	1 U	
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloroform	mg/L	80	1 U	1 U	1 U	2.2	1.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Chloroprene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
cis-1,2-Dichloroethene	mg/L	70	1 U	1 U	1 U	1 U	1 U	1 U	4.1	2	1 U	1 U	1 U	1 U	
cis-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Dibromochloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Ethyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Ethylbenzene	mg/L	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
m&p-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methyl Iodide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Methyl Tertiary Butyl Ether	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methylene Bromide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Methylene Chloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
o-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Styrene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Tetrachloroethene	mg/L	5	1 U	1.2	1.4	1 U	1 U	1 U	1 U	1 U	1 U	5	1 U	1 U	
Toluene	mg/L	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
trans-1,2-Dichloroethene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
trans-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
trans-1,4-Dichloro-2-butene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Trichloroethene	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Trichlorofluoromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Vinyl Acetate	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Vinyl Chloride	mg/L	2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	

**Table 2**  
**Fall 2020 Results**

Parameters	Units	MCL	MW-11B	MW-12	MW-13A	MW-13B	MW-14A	MW-14B	MW-15	MW-16A	MW-16B	MW-19A	MW-19B	MW-21A
			08/6/2020	08/6/2020	07/27/2020	7/27/2020	08/06/2020	08/06/2020	08/06/2020	08/03/2020	08/03/2020	08/05/2020	08/05/2020	07/30/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
<b>General Parameters</b>														
Alkalinity	mg/L	--	40.9	12.7	17.9	189	11.4	25.6	16.7	215	144	32.4	41.7	379
Ammonia Nitrogen	mg/L	--	0.1 U	0.1 U	0.11	0.1 U	0.1 U	0.1 U	0.1 U	0.12	0.1 U	0.1 U	0.1 U	8.46
Chemical Oxygen Demand	mg/L	--	15.6	15.3	12.7	7.1	17.9	19.6	13.7	40.9	46	9.9	13.2	32.8
Chloride	mg/L	--	19.3	4.7	86	99	301	17.9	30.6	64.5	208	262	180	104
Dissolved Oxygen, Field	mg/L	--	5.26	5.29	0.53	0.56	6.45	4.88	4.48	0.5	3.32	0.55	1.16	0.64
Hardness	mg/L	--	80	96.8	131	305	295	57.9	78.2	203	354	268	302	321
Nitrate	mg/L	10	3	2.19	1.92	4.57	2.57	4.37	4.57	7.84	0.99	1.83	1.35	0.26
ORP, Field	mV	--	148.6	305.1	89.5	199.3	331.3	283.1	327.3	45.2	142.2	233.3	158.6	24.3
pH, Field	SU	--	6.71	5.41	4.85	5.85	5.33	5.94	5.48	6.04	6.43	5.88	6.45	6.12
pH, Lab	SU	--	6.36	5.30	6.84	6.11	5.28	2.31	5.56	6.44	6.05	5.77	5.99	6.31
Specific Conductivity, Field	mS/cm	--	207.6	472.1	347.6	639	962	1630	190.6	675	942	863	681	1036
Specific Conductivity, Lab	mS/cm	--	229	564	395	772	1080	2480	211	718	992	1070	864	1100
Sulfate, total	mg/L	--	2.89	19.6	1.64	14.9	15	2.7	10	20	5.83	13.2	44.8	18.1
Temperature, field	°C	--	15.9	19	16.4	15	18.4	17.8	18.3	21.1	22.7	15.5	16	20.7
Total Dissolved Solids	mg/L	--	158	335	268	481	633	122	151	448	529	583	497	578
Total Suspended Solids	mg/L	--	7.4	320	65.2	2.3 U	405	7.7	734	393	3.7	259	6.7	72
Turbidity, Lab	NTU	--	3.51	100	10.2	0.5 U	107	4.13	81.5	389	0.644	38.5	7.13	14.1
Turbidity, Field	NTU	--	2.3	119.6	30.5	2.6	318.2	2.1	38.8	50.3	3.5	103.7	3.9	26.7
<b>Inorganics</b>														
Antimony, total	mg/L	0.006	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Arsenic, total	mg/L	0.01	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00489	0.001 U	0.001 U	0.001 U	0.0016
Barium, total	mg/L	2	0.0218	0.238	0.177	0.0695	0.474	0.0175	0.0872	0.358	0.0312	0.124	0.0364	0.333
Beryllium, total	mg/L	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00112	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium, total	mg/L	0.005	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Calcium, total	mg/L	--	16.2	17.6	20.9	69.9	46.5	11.8	11	20.8	56.4	42.9	65.5	59.8
Chromium, total	mg/L	0.1	0.00273	0.0146	0.00324	0.001 U	0.0344	0.00464	0.0105	0.0631	0.00651	0.00475	0.00153	0.00101
Cobalt, total	mg/L	--	0.001 U	0.00436	0.0172	0.001 U	0.0121	0.001 U	0.00391	0.0181	0.0102	0.0108	0.001 U	0.0759
Copper, total	mg/L	--	0.001 U	0.0124	0.00374	0.001 U	0.0447	0.00166	0.0313	0.0787	0.00255	0.00767	0.00162	0.00151
Iron, total	mg/L	--	0.156	5.83	0.913	0.0109 J	13.2	0.268	8.78	20.4	0.106	3.03	0.359	11.7
Lead, total	mg/L	0.015	0.001 U	0.00432	0.001 U	0.001 U	0.00191	0.001 U	0.00225	0.0106	0.001 U	0.00167	0.001 U	0.001 U
Magnesium, total	mg/L	--	9.6	12.8	19	31.7	43.5	6.91	12.3	36.6	51.7	39	33.7	41.6
Manganese, total	mg/L	--	0.0111	0.176	0.603	0.0288	0.136	0.0063	0.141	11	11.7	1.72	0.0313	10.5
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.000107	0.000232	0.0001 U	0.0001 U	0.0001 U	0.000332	0.0001 U	0.000523	0.000177	0.0001 U
Nickel, total	mg/L	--	0.00124	0.0125	0.0107	0.00233	0.061	0.00293	0.0126	0.0574	0.0244	0.0117	0.00392	0.0128
Potassium, total	mg/L	--	0.998	3.01	2.59	3.45	5.73	1.52	2.03	6.48	3.85	3.83	2.49	22.9
Selenium, total	mg/L	0.05	0.001 U	0.00127	0.001 U	0.001 U	0.001 U	0.001 U	0.00159	0.00416	0.001 U	0.00137	0.001 U	0.001 U
Silver, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Sodium, total	mg/L	--	10.5	61.4	14.4	19.1	67.3	7.96	9.22	78.8	37.7	79.5	23.2	67.1
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium, total	mg/L	--	0.00339	0.00761	0.00196	0.001 U	0.0327	0.001 U	0.00782	0.0142	0.001 U	0.00438	0.00107	0.001 U
Zinc, total	mg/L	--	0.004 U	0.0406	0.0132	0.004 U	0.0962	0.0144	0.0402	0.136	0.0122	0.0406	0.0044	0.0114
<b>VOCs</b>														
1,1,1,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	mg/L	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	mg/L	--	1 U	1 U	8.5	8.2	1 U	1 U	1 U	1 U	1 U	2.5	4.8	3.9

Table 2  
Fall 2020 Results

Parameters	Units	MCL	MW-11B	MW-12	MW-13A	MW-13B	MW-14A	MW-14B	MW-15	MW-16A	MW-16B	MW-19A	MW-19B	MW-21A
			08/6/2020	08/6/2020	07/27/2020	7/27/2020	08/06/2020	08/06/2020	08/06/2020	08/03/2020	08/03/2020	08/05/2020	08/05/2020	07/30/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	0.048 U	0.047 U	0.048 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U	0.047 U	0.047 U
1,2-Dibromoethane	mg/L	0.05	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
1,2-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	mg/L	5	1 U	1 U	1.4	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	mg/L	5	1 U	1 U	3.8	4.9	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.2
1,3-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	mg/L	75	1 U	1 U	2.1	6.3	1 U	1 U	1 U	2	4.3	1 U	1.3	1 J
2,2-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Allyl Chloride	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	mg/L	5	1 U	1 U	1 U	1.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	mg/L	100	1 U	1 U	1 U	1.3	1 U	1 U	1 U	4.7	9.9	1 U	1.2	1 U
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	mg/L	80	1 J	1 U	7.5	1 U	1 U	1.3	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroprene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	mg/L	70	5.4	1 U	55.5	58.7	1 U	1 U	1 U	1 U	1 U	7.3	16.5	12.8
cis-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	mg/L	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Tertiary Butyl Ether	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Bromide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	mg/L	5	1 U	1 U	1.8	2.7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	mg/L	5	8.1	1 U	8.1	11.3	1 U	1 U	1 U	1 U	1 U	1.9	2.3	2.3
Toluene	mg/L	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	mg/L	--	1 U	1 U	1.5	2.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	mg/L	5	3.9	1 U	11.9	12.3	1 U	1 U	1 U	1 U	1 U	2.4	4.8	7.7
Trichlorofluoromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	mg/L	2	1 U	1 U	2.3	5.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.4



**Table 2  
Fall 2020 Results**

Parameters	Units	MCL	MW-21B	MW-22A	MW-22B	MW-23A	MW-23B	MW-24A	MW-24B	OB01	OB02	OB02A	OB03	OB03A	
			07/30/2020	07/28/2020	07/28/2020	08/03/2020	08/03/2020	07/29/2020	07/29/2020	08/05/2020	08/05/2020	08/05/2020	08/05/2020	08/05/2020	08/05/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
<b>General Parameters</b>															
Alkalinity	mg/L	--	247	373	262	69.6	20.2	160	295	103	46	31.2	184	260	
Ammonia Nitrogen	mg/L	--	0.42	0.11	0.1 U	0.1 U	0.1 U	0.56	0.17	0.1 U	0.1 U	0.1 U	2.24	2.3	
Chemical Oxygen Demand	mg/L	--	25.5	24.8	19.8	16.7	19.9	41.7	46.9	15.8	10.8	11.5	26.1	29.1	
Chloride	mg/L	--	181	143	117	94.1	92.8	323	296	663	140	330	206	171	
Dissolved Oxygen, Field	mg/L	--	0.89	0.49	0.66	0.63	1.92	0.49	0.75	0.51	1.1	0.68	0.63	0.56	
Hardness	mg/L	--	294	397	320	179	122	469	555	649	225	411	350	444	
Nitrate	mg/L	10	0.2 U	0.2 U	0.2 U	0.45	3.55	0.2 U	0.2 U	1.86	0.2 U	1.13	1.25	0.12 J	
ORP, Field	mV	--	0	-23.1	61.5	55.6	264	-105	-87.9	209.1	181.7	215	36.1	17.4	
pH, Field	SU	--	6.06	6.50	6.91	6.24	5.31	5.82	6.50	5.88	6.43	5.69	5.85	6.31	
pH, Lab	SU	--	6.27	6.79	7.10	6.37	5.30	6.00	6.52	5.73	6.42	5.65	5.93	6.19	
Specific Conductivity, Field	mS/cm	--	1014	1085	970	420	380.2	1304	1418	2130	594	1114	1039	1189	
Specific Conductivity, Lab	mS/cm	--	1090	1210	943	486	412	1380	1520	2370	636	1280	1210	1340	
Sulfate, total	mg/L	--	15.2	35	31.3	11.9	4.05	0.87 J	1 U	34.1	11.4	24.4	25.4	58	
Temperature, field	°C	--	19.1	17.2	23.2	16.9	18.5	21.7	23.4	20	20.5	17.7	17	17.4	
Total Dissolved Solids	mg/L	--	567	711	572	277	256	731	774	1230	374	690	652	708	
Total Suspended Solids	mg/L	--	33.7	19.7	8.9	188	1670	13.1	30.9	5.4	12.3	79.4	3.7	26.2	
Turbidity, Lab	NTU	--	135	4.11	15.8	37.4	82	84.8	264	0.5 U	10.7	12	44.9	119	
Turbidity, Field	NTU	--	20	8.3	16	70.4	120.1	9.9	20.9	0.2	14.5	15.5	1.4	92.1	
<b>Inorganics</b>															
Antimony, total	mg/L	0.006	0.001 U	0.001 U	0.0011	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Arsenic, total	mg/L	0.01	0.00204	0.001 U	0.00535	0.001 U	0.001 U	0.00511	0.0309	0.001 U	0.001 U	0.001 U	0.00239	0.00414	
Barium, total	mg/L	2	0.113	0.0216	0.033	0.0064	0.149	0.297	0.184	0.373	0.241	0.404	0.448	0.263	
Beryllium, total	mg/L	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Cadmium, total	mg/L	0.005	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Calcium, total	mg/L	--	63.6	98.3	83.9	21.2	15.7	68.8	90.6	117 B	45.1	74.1	65.2	86.2	
Chromium, total	mg/L	0.1	0.00302	0.00114	0.00454	0.00403	0.0157	0.00338	0.00606	0.001 U	0.0023	0.00297	0.00187	0.00317	
Cobalt, total	mg/L	--	0.0766	0.001 J	0.001 U	0.00353	0.00515	0.00687	0.0518	0.0117	0.0101	0.0518	0.0493	0.0331	
Copper, total	mg/L	--	0.003	0.001 U	0.00252	0.0041	0.00223	0.001 U	0.00633	0.00331	0.0031	0.00226	0.001 U	0.00115	
Iron, total	mg/L	--	50.1	4.99	2.13	6.14	5.04	23	46.4	0.0356 J	0.947	1.06	22.2	19.7	
Lead, total	mg/L	0.015	0.001 U	0.001 U	0.001 U	0.001 U	0.00307	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Magnesium, total	mg/L	--	32.8	36.9	26.9	30.6	20.2	72.2	79.8	86.8	27.2	54.8	45.5	55.6	
Manganese, total	mg/L	--	5.15	1.36	0.486	0.484	0.101	10	4.26	5.48	1.56	0.0501	21.9	13.8	
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.000628	0.0001 U	0.0001 U	0.00017	0.0001 U	0.000465	0.0001 U	0.0001 U	
Nickel, total	mg/L	--	0.033	0.00632	0.00703	0.0055	0.0117	0.0373	0.0307	0.0278	0.00857	0.0107	0.0146	0.0101	
Potassium, total	mg/L	--	5.31	5.22	6.82	2.14	3.63	5.34	4.56	5.5	6.07	5.44	7.39	12.4	
Selenium, total	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.001 U	0.00123	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Silver, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00111	0.001 U	0.001 U	0.001 U	0.001 U	
Sodium, total	mg/L	--	69	86.3	51	19.7	28.5	51.1	33.4	185	21.8	46.1	54.4	64.1	
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	
Vanadium, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.00779	0.001 U	0.001 U	0.001 U	0.001 U	0.00246	0.001 U	0.00146	
Zinc, total	mg/L	--	0.0107	0.004 U	0.00445	0.0171	0.0233	0.00422	0.0297	0.0108	0.00456	0.00691	0.00807	0.00441	
<b>VOCs</b>															
1,1,1,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,1-Trichloroethane	mg/L	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,2,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1,2-Trichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
1,1-Dichloroethane	mg/L	--	9.6	1 U	1 U	1 U	1 U	1 U	1.6	3.3	1 U	1 U	1 U	17.4	

Table 2  
Fall 2020 Results

Parameters	Units	MCL	MW-21B	MW-22A	MW-22B	MW-23A	MW-23B	MW-24A	MW-24B	OB01	OB02	OB02A	OB03	OB03A
			07/30/2020	07/28/2020	07/28/2020	08/03/2020	08/03/2020	07/29/2020	07/29/2020	08/05/2020	08/05/2020	08/05/2020	08/05/2020	08/05/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	0.048 U	0.047 U	0.047 U	0.048 U	0.047 U	0.048 U	0.048 U	0.026 U	0.046 U	0.048 U	0.047 U	0.047 U
1,2-Dibromoethane	mg/L	0.05	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.01 U	0.019 U	0.019 U	0.019 U	0.019 U
1,2-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 J	1 U	1 U	1 U	1 U	1.4	1 U
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.5	1.6
1,2-Dichloropropene	mg/L	5	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	4.7	2.8
1,3-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	mg/L	75	1 U	1 U	1 U	1 U	1 U	13.5	7.4	1.5	1 U	1 U	15.2	9.5
2,2-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	mg/L	--	5 U	5 U	5 U	7.1	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Allyl Chloride	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	mg/L	5	1 U	1 U	1 U	1 U	1 U	4.4	4.6	1 U	1 U	1 U	1.8	1.2
Bromochloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	mg/L	100	1 U	1 J	1 U	1 U	1 U	8.5	2.4	2	1 U	1 U	2.5	2.1
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroprene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	mg/L	70	26.3	5.5	1.8	2.7	4.7	4.6	1.8	1 J	1 U	1 U	54.9	35.8
cis-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	mg/L	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Tertiary Butyl Ether	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 J
Methylene Bromide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	mg/L	5	4.6	1 U	1 U	1.9	2.6	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	mg/L	1000	1 U	1 U	1 U	1 U	1 U	1.1	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	mg/L	--	1 U	1 U	1 U	1 U	1 U	2.1	2	1 U	1 U	1 U	4	2.8
trans-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	mg/L	5	17.2	3.6	1.3	1 U	1.3	1 U	1 U	1 U	1 U	1 U	2.9	1.5
Trichlorofluoromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	mg/L	2	2.7	1 U	1 U	1 U	1 U	9.5	1 U	1 U	1 U	1 U	9.8	6.4

**Table 2  
Fall 2020 Results**

Parameters	Units	MCL	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB015
			07/27/2020	07/27/2020	07/29/2020	07/29/2020	07/29/2020	07/28/2020	07/28/2020	08/03/2020	07/30/2020	07/30/2020	08/03/2020	08/03/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
<b>General Parameters</b>														
Alkalinity	mg/L	--	277	155	298	195	68	226	223	161	250	349	152	63.1
Ammonia Nitrogen	mg/L	--	0.88	0.61	0.1 U	0.1 U	0.1 U	0.35	0.1 U	0.1 U	0.1 U	0.54	0.1 U	0.1 U
Chemical Oxygen Demand	mg/L	--	45.1	49.5	53.5	23.5	15.5	19.1	16	19.4	42.4	52.7	15.9	8.9
Chloride	mg/L	--	497	560	345	232	142	73.7	51	269	429	424	91.3	8.3
Dissolved Oxygen, Field	mg/L	--	0.53	0.48	1.16	1.1	1.56	0.59	0.64	0.76	0.53	0.54	0.59	1.1
Hardness	mg/L	--	821	771	584	492	226	229	221	428	668	663	228	105
Nitrate	mg/L	10	0.2 U	0.93	0.22	0.61	0.53	0.2 U	0.2 U	0.2 U	1.03	1.21	0.35	0.78
ORP, Field	mV	--	-60	159.9	171.9	126.8	216.4	55.7	55.3	33.3	179.4	129.3	-67.3	118
pH, Field	SU	--	5.93	5.59	5.85	6.86	5.75	6.04	6.45	6.08	5.73	5.50	5.99	5.73
pH, Lab	SU	--	6.07	5.77	6.11	6.64	5.90	6.32	6.60	6.03	5.81	6.00	1.93	5.76
Specific Conductivity, Field	mS/cm	--	2028	2009	1531	994	574	623	550	1064	1614	1773	547	281.1
Specific Conductivity, Lab	mS/cm	--	2160	2170	1840	1220	643	688	612	1180	1900	1980	5890	307
Sulfate, total	mg/L	--	17.7	11.3	96.2	38.7	7.13	2.49	5.82	1.52	11.7	9.71	16	58.4
Temperature, field	°C	--	19.6	18.9	16.4	15.9	18.5	17.2	18.3	19.4	18.2	18.6	17.5	18.9
Total Dissolved Solids	mg/L	--	1220	1210	1060	709	407	398	362	659	1020	1050	385	185
Total Suspended Solids	mg/L	--	2.3 U	10	105	11.6	6.9	25.4	2.4 U	18.5	5 J	3.4	2.3 U	18.8
Turbidity, Lab	NTU	--	0.5 U	0.5 U	21.1	5.09	2.01	4.97	0.5 U	1.53	0.5 U	0.687	0.5 U	31.2
Turbidity, Field	NTU	--	1.4	2.1	58.1	6.9	2.7	7.7	1.4	4.8	0.5	0.5	2.9	48.2
<b>Inorganics</b>														
Antimony, total	mg/L	0.006	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Arsenic, total	mg/L	0.01	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00273	0.001 U	0.001 U	0.001 U	0.0011	0.001 U	0.001 U
Barium, total	mg/L	2	0.286	0.0749	0.181	0.0898	0.0445	0.0656	0.152	0.143	0.0303	0.194	0.0187	0.0657
Beryllium, total	mg/L	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium, total	mg/L	0.005	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0117	0.001 U	0.001 U	0.001 U
Calcium, total	mg/L	--	157	127	127	124	47.9	49.3	59.7	76.8	124	109	40	9.83
Chromium, total	mg/L	0.1	0.001 U	0.00125	0.00693	0.00431	0.00205	0.00273	0.001 U	0.00108	0.00147	0.00111	0.00148	0.00383
Cobalt, total	mg/L	--	0.001 U	0.00106	0.00523	0.001 U	0.00908	0.0186	0.0055	0.0287	0.0185	0.0401	0.001 U	0.001 U
Copper, total	mg/L	--	0.0381	0.0405	0.00739	0.0109	0.0065	0.0029	0.001 U	0.00142	0.00443	0.00272	0.001 U	0.00402
Iron, total	mg/L	--	0.0165 J	0.0322 J	1.63	0.3	0.114	5.11	0.106	2.56	0.0526 J	1.78	0.0528 J	5.82
Lead, total	mg/L	0.015	0.001 U	0.001 U	0.00105	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Magnesium, total	mg/L	--	104	110	65.1	44	25.9	25.7	17.5	57.4	87.2	95	31	19.4
Manganese, total	mg/L	--	4.15	2.84	0.672	0.183	0.511	8.71	5.8	15.3	1.39	14.6	0.179	0.0662
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.000379	0.000157	0.000119	0.0001 U	0.0001 U	0.0001 U	0.00353	0.000312	0.0001 U	0.0001 U
Nickel, total	mg/L	--	0.014	0.0256	0.013	0.00432	0.00654	0.00793	0.00634	0.0294	0.0338	0.034	0.00953	0.00818
Potassium, total	mg/L	--	7.51	6.33	4.83	6.06	3.01	2.94	2.78	4.5	5.62	5.92	6.54	1.88
Selenium, total	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Silver, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Sodium, total	mg/L	--	76.2	105	145	28	18.8	35.2	26.7	32.3	105	136	33.5	24.6
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium, total	mg/L	--	0.001 U	0.001 U	0.00169	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Zinc, total	mg/L	--	0.00406	0.0247	0.0192	0.00937	0.00699	0.00802	0.004 U	0.00588	0.0437	0.0188	0.00466	0.027
<b>VOCs</b>														
1,1,1,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	mg/L	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2	11.4	12.3	15.2	1 U

Table 2  
Fall 2020 Results

Parameters	Units	MCL	OB04	OB04A	OB06	OB07	OB07A	OB08	OB08A	OB10	OB11	OB11A	OB12	OB015
			07/27/2020	07/27/2020	07/29/2020	07/29/2020	07/29/2020	07/28/2020	07/28/2020	08/03/2020	07/30/2020	07/30/2020	08/03/2020	08/03/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	0.047 U	0.047 U	0.047 U	0.047 U	0.048 U	0.047 U	0.048 U	0.048 U	0.047 U	0.047 U	0.048 U	0.047 U
1,2-Dibromoethane	mg/L	0.05	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
1,2-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.9	2.8	1.1
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.2	2.2	1.4
1,2-Dichloropropane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1.2	1.1	2.9	4.4	4.6	10.3	1 U
1,3-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	mg/L	75	6.9	9.6	1 J	1 U	1 U	5.9	3.6	11.3	18.9	20.4	12.3	1 U
2,2-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Allyl Chloride	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	mg/L	5	1.8	2.4	1 U	1 U	1 U	1.5	1 U	2.5	2.4	1.8	3.4	1 U
Bromochloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	mg/L	100	1.9	1.8	1.4	1 U	1 U	12	6.8	5.4	24.1	26.1	3.8	1 U
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroprene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	mg/L	70	16.5	21.7	1 U	1.3	1.6	8.6	12.2	40.6	85.5	66.4	47.5	1 U
cis-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	mg/L	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Tertiary Butyl Ether	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.8	1.9	1 J	1 U
Methylene Bromide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	mg/L	5	2.2	3.9	1 U	1 U	1 U	1 U	1 U	1 U	4.5	1 U	3.1	1 U
o-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	mg/L	5	1.7	1.6	1 U	1 U	1.2	1 U	1 U	1 U	8.3	2.7	17	1 U
Toluene	mg/L	1000	1 U	2.3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	2.3	2.9	2.9	2.8	1 U
trans-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	mg/L	5	1.3	1.7	1 U	1 U	1 U	1 U	1 U	2.5	9.3	8.8	17.4	1 U
Trichlorofluoromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1.7	1 U
Vinyl Acetate	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	mg/L	2	1.7	2.5	1 U	1 U	1 U	1.4	1 U	27.3	13.1	16.5	7	1 U

**Table 2  
Fall 2020 Results**

Parameters	Units	MCL	OB025	OB102	OB105	ST015	ST065	ST70	ST80	ST120
			07/30/2020	07/29/2020	07/27/2020	08/03/2020	07/29/2020	08/03/2020	08/03/2020	07/27/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
<b>General Parameters</b>										
Alkalinity	mg/L	--	329	1050	929	74.6	66.1	100	48.8	53.5
Ammonia Nitrogen	mg/L	--	3.65	19.8	28.7	0.1 U	0.1 U	0.1 J	0.23	0.1 U
Chemical Oxygen Demand	mg/L	--	34.7	155	110	16.6	16.7	26.1	40.4	16.5
Chloride	mg/L	--	158	475	288	94.3	97.4	106	49.8	91.9
Dissolved Oxygen, Field	mg/L	--	0.68	0.5	0.43	7.08	7.99	254	6.62	7.36
Hardness	mg/L	--	366	583	879	158	146	194	85.1	139
Nitrate	mg/L	10	0.2 U	1.45	0.2 U	1.33	1.12	0.97	0.57	0.76
ORP, Field	mV	--	112.4	47.4	-17.4	26.8	76.6	143.2	34.5	159.2
pH, Field	SU	--	5.59	6.48	6.46	7.33	7.73	6.98	8.21	7.53
pH, Lab	SU	--	6.20	6.65	6.55	7.14	7.70	7.41	7.40	6.92
Specific Conductivity, Field	mS/cm	--	1081	2965	2917	480.3	495.2	663	306.7	491.2
Specific Conductivity, Lab	mS/cm	--	1210	3360	2860	504	487	657	281	544
Sulfate, total	mg/L	--	32.5	70.1	191	13.2	10.3	43.8	4.92	8.37
Temperature, field	°C	--	18.4	18.8	22.8	22.2	24.8	23.5	25.5	24.4
Total Dissolved Solids	mg/L	--	682	1970	1680	310	268	407	192	284
Total Suspended Solids	mg/L	--	17.8	5.4	31.9	4.7	2.3 U	71.4	3.6	6.6
Turbidity, Lab	NTU	--	9.27	2.44	145	2.5	0.544	1.91	6.82	1.12
Turbidity, Field	NTU	--	12.1	0	34.5	9.1	17.8	36.3	11.9	39.6
<b>Inorganics</b>										
Antimony, total	mg/L	0.006	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Arsenic, total	mg/L	0.01	0.001 U	0.00101	0.00312	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Barium, total	mg/L	2	0.138	0.321	0.364	0.0768	0.0464	0.076	0.0411	0.0549
Beryllium, total	mg/L	0.004	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cadmium, total	mg/L	0.005	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Calcium, total	mg/L	--	59.1	83	128	32.4	27.9	46.6	15.7	26.7
Chromium, total	mg/L	0.1	0.00213	0.00339	0.00238	0.001 U	0.001 U	0.0243	0.001 U	0.001 U
Cobalt, total	mg/L	--	0.0365	0.0673	0.0062	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Copper, total	mg/L	--	0.00177	0.0212	0.0154	0.00101	0.001 U	0.00278	0.001 U	0.00132
Iron, total	mg/L	--	2.21	0.442	13.7	0.306	0.119	0.439	1.09	0.35
Lead, total	mg/L	0.015	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Magnesium, total	mg/L	--	53.1	91.1	136	18.8	18.7	19	11.1	17.4
Manganese, total	mg/L	--	24.1	13.9	2.29	0.186	0.0172	0.192	0.473	0.0637
Mercury, total	mg/L	0.002	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U	0.0001 U
Nickel, total	mg/L	--	0.0161	0.0789	0.0181	0.00547	0.00241	0.00493	0.00291	0.00418
Potassium, total	mg/L	--	15.5	50.9	65.5	2.2	3.46	11.8	3.03	3.12
Selenium, total	mg/L	0.05	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Silver, total	mg/L	--	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Sodium, total	mg/L	--	82.5	518	253	30.3	29.4	40	18	29.4
Thallium, total	mg/L	0.002	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vanadium, total	mg/L	--	0.001 U	0.001 U	0.00131	0.00115	0.001 U	0.00118	0.001 U	0.001 U
Zinc, total	mg/L	--	0.00831	0.00801	0.0423	0.00817	0.004 U	0.0114	0.00423	0.004 U
<b>VOCs</b>										
1,1,1,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,1-Trichloroethane	mg/L	200	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	mg/L	--	1.2	1 U	1 U	1 U	1 U	1 U	1 U	1 U

**Table 2**  
**Fall 2020 Results**

Parameters	Units	MCL	OB025	OB102	OB105	ST015	ST065	ST70	ST80	ST120
			07/30/2020	07/29/2020	07/27/2020	08/03/2020	07/29/2020	08/03/2020	08/03/2020	07/27/2020
			Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results	Sampling Results
1,1-Dichloroethene	mg/L	7	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2,3-Trichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-chloropropane	mg/L	0.2	0.047 U	0.047 U	0.047 U	0.048 U	0.048 U	0.048 U	0.048 U	0.048 U
1,2-Dibromoethane	mg/L	0.05	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U	0.019 U
1,2-Dichlorobenzene	mg/L	600	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dichloropropane	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	mg/L	75	4.3	1.5	2.7	1 U	1 U	1 U	1 U	1 U
2,2-Dichloropropane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Butanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
2-Hexanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-Pentanone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Allyl Chloride	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Benzene	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromochloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	mg/L	100	3.6	2.7	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Chloroprene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
cis-1,2-Dichloroethene	mg/L	70	8.2	1 U	5.3	1 U	1 U	1 U	1 U	1 U
cis-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Dibromochloromethane	mg/L	80	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Ethyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Ethylbenzene	mg/L	700	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
m&p-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Iodide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methyl Methacrylate	mg/L	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Tertiary Butyl Ether	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Bromide	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
o-Xylene	mg/L	10000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	mg/L	100	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Toluene	mg/L	1000	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,2-Dichloroethene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,3-Dichloropropene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
trans-1,4-Dichloro-2-butene	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethene	mg/L	5	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Trichlorofluoromethane	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Acetate	mg/L	--	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	mg/L	2	3.8	1 U	1 U	1 U	1 U	1 U	1 U	1 U

Table 3 Relative Percent Difference for Volatile Organic Compounds - Duplicate Analysis									
Parameter	OB30 <sup>1</sup>	MW-13B	RPD	OB40 <sup>1</sup>	MW-24B	RPD	OB50 <sup>1</sup>	OB11	RPD
1,1-Dichloroethane	8.5	8.2	3.6%	3.7	3.3	11.4%	11.4	11.4	0.0%
1,2-Dichlorobenzene	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	2.8	2.9	3.5%
1,2-Dichloroethane	1.6	1.6	0.0%	1.0 U	1.0 U	NA	2.2	2.2	0.0%
1,2-Dichloropropane	5.3	4.9	7.8%	1.0 U	1.0 U	NA	4.6	4.4	4.4%
1,4-Dichlorobenzene	6.5	6.3	3.1%	14.7	7.4	66.1%	18.3	18.9	3.2%
Benzene	1.7	1.6	6.1%	5.7	4.6	21.4%	2.6	2.4	8.0%
Chlorobenzene	1.3	1.3	0.0%	3.7	2.4	42.6%	24.7	24.1	2.5%
cis-1,2-Dichloroethene	61.3	58.7	4.3%	1.8	1.8	0.0%	84.8	85.5	0.8%
Methyl tert-butyl ether (MTBE)	1.0 U	1.0 U	NA	1.0 U	1.0 U	NA	1.9	1.8	5.4%
Methylene chloride	2.8	2.7	3.6%	1.0 U	1.0 U	NA	4.8	4.5	6.5%
o-Xylene	1.0 U	1.0 U	NA	1.2	1.0 U	NA	1.0 U	1.0 U	NA
Tetrachloroethene	11.3	11.3	0.0%	1.0 U	1.0 U	NA	8.6	8.3	3.6%
trans-1,2-Dichloroethene	2.0	2.2	9.5%	2.8	2.0	33.3%	2.9	2.9	0.0%
Trichloroethene	12.1	12.3	1.6%	1.0 U	1.0 U	NA	9.6	9.3	3.2%
Vinyl chloride	5.0	5.2	3.9%	1.0 U	1.0 U	NA	13.0	13.1	0.8%

(1) Duplicate sample

(2) RPDs>20% are shaded

All units are in mg/L

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Table 4									
Relative Percent Difference for Inorganics and General Water Quality Parameters - Duplicate Analysis									
Parameter	OB30 <sup>1</sup>	MW-13B	RPD	OB40 <sup>1</sup>	MW-24B	RPD	OB50 <sup>1</sup>	OB11	RPD
Alkalinity	188	189	0.5%	309	295	4.6%	256	250	2.4%
Ammonia Nitrogen	0.1 U	0.1 U	NA	0.14	0.17	19.4%	0.1 U	0.1 U	NA
Chemical Oxygen Demand	11.1	7.1	44.0%	42.3	46.9	10.3%	54.5	42.4	25.0%
Chloride	95.2	99.0	3.9%	304	296	2.7%	438	429	2.1%
Hardness	304	305	0.3%	580	555	4.4%	666	668	0.3%
Nitrate	4.53	4.57	0.9%	0.2 U	0.2 U	NA	1.05	1.03	1.9%
pH, Lab	6.10	6.11	0.2%	6.48	6.52	0.6%	5.82	5.81	0.2%
Specific Conductivity, Lab	770	772	0.3%	1460	1520	4.0%	1910	1900	0.5%
Sulfate, total	14.8	14.9	0.7%	0.53	1 U	NA	11.6	11.7	0.9%
Total Dissolved Solids	483	481	0.4%	832	774	7.2%	1040	1020	1.9%
Total Suspended Solids	4.7 U	2.3 U	NA	31.0	30.9	0.3%	3.2	5.0	43.9%
Turbidity, Lab	0.5 U	0.5 U	NA	416	264	44.7%	0.867	0.5 U	NA
Arsenic, total	0.001 U	0.001 U	NA	0.0376	0.0309	19.6%	0.001 U	0.001 U	NA
Barium, total	0.0690	0.0695	0.7%	0.206	0.184	11.3%	0.0283	0.0303	6.8%
Cadmium, total	0.001 U	0.001 U	NA	0.001 U	0.001 U	NA	12.2	11.7	4.2%
Calcium, total	69.4	69.9	0.7%	94.4	90.6	4.1%	122	124	1.6%
Chromium, total	0.001 U	0.001 U	NA	0.00283	0.00606	72.7%	0.00167	0.00147	12.7%
Cobalt, total	0.001 U	0.001 U	NA	0.0540	0.0518	4.2%	0.00195	0.00185	5.3%
Copper, total	0.001 U	0.001 U	NA	0.00160	0.00633	119.3%	0.00441	0.00443	0.5%
Iron, total	0.0174	0.0109	45.9%	48.9	46.4	5.2%	0.0602	0.0526	13.5%
Magnesium, total	31.8	31.7	0.3%	83.7	79.8	4.8%	87.4	87.2	0.2%
Manganese, total	0.0297	0.0288	3.1%	3.77	4.26	12.2%	1.44	1.39	3.5%
Mercury, total	0.000264	0.000232	12.9%	0.0001 U	0.0001 U	NA	0.00333	0.00353	5.8%
Nickel, total	0.00255	0.00233	9.0%	0.0164	0.0307	60.7%	0.0342	0.0338	1.2%
Potassium, total	3.42	3.45	0.9%	4.29	4.56	6.1%	5.39	5.62	4.2%
Sodium, total	19.0	19.1	0.5%	34.5	33.4	3.2%	104	105	1.0%
Zinc, Total	0.004 U	0.004 U	NA	0.00672	0.0297	126.2%	0.0423	0.0437	3.3%

(1) Duplicate sample

(2) RPDs>20% are shaded

All units are in mg/L

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**Table 5**  
**MCL Exceedances - Volatile Organic Compounds**

Monitoring Well	Parameter	Units	MCL	Result
<b>Northwest</b>				
MW-11B	Tetrachloroethene	µg/L	5	8.1
MW-13A	Tetrachloroethene	µg/L	5	8.1
	Trichloroethene	µg/L	5	11.9
	Vinyl Chloride	µg/L	2	2.3
MW-13B	Tetrachloroethene	µg/L	5	11.3
	Trichloroethene	µg/L	5	12.3
	Vinyl Chloride	µg/L	2	5.2
OB03	Vinyl Chloride	µg/L	2	9.8
OB03A	Vinyl Chloride	µg/L	2	6.4
OB04A	Vinyl Chloride	µg/L	2	2.5
<b>West</b>				
MW-9	Tetrachloroethene	µg/L	5	5.0
<b>Southwest</b>				
MW-21A	Trichloroethene	µg/L	5	7.7
MW-21B	Trichloroethene	µg/L	5	17.2
	Vinyl Chloride	µg/L	2	2.7
OB12	1,2-Dichloropropane	µg/L	5	10.3
	Tetrachloroethene	µg/L	5	17.0
	Trichloroethene	µg/L	5	17.4
	Vinyl Chloride	µg/L	2	7.0
<b>South</b>				
OB11	cis-1,2-Dichloroethene	µg/L	70	85.5
	Tetrachloroethene	µg/L	5	8.3
	Trichloroethene	µg/L	5	9.3
	Vinyl Chloride	µg/L	2	13.1
OB11A	Trichloroethene	µg/L	5	8.8
	Vinyl Chloride	µg/L	2	16.5
OB025	Vinyl Chloride	µg/L	2	3.8
<b>Southeast</b>				
MW-24A	Vinyl Chloride	µg/L	2	9.5
OB10	Vinyl Chloride	µg/L	2	27.3

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**Table 6**  
**MCL Exceedances - Inorganics**

<b>Monitoring Well</b>	<b>Parameter</b>	<b>Units</b>	<b>MCL</b>	<b>Result</b>
<b>South</b>				
OB11	Cadmium, total	mg/L	0.005	0.0117
	Mercury, total	mg/L	0.002	0.00353
<b>Southeast</b>				
MW-24B	Arsenic, total	mg/L	0.01	0.0309

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**Table 7**  
**Historical Methane Concentrations (% by volume)**

Well	9/20/2005	4/4/2006	9/26/2006	4/17/2007	10/2/2007	3/27/2008	9/23/2008	3/5/2009	9/21/2009	3/24/2010	9/14/2010	4/19/2011	9/6/2011	3/7/2012	9/10/2012	3/18/2013	9/11/2013	3/6/2014	9/2/2014	3/19/2015	8/31/2015
MW-1B	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0
MW-2A	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
MW-2B	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
MW-3A	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
MW-3B	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
MW-04	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
MW-06	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-07	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
MW-08	--	--	--	--	--	--	--	--	--	--	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
MW-09	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
MW-10	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
MW-11A	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
MW-11B	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0
MW-12	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0
MW-13A	--	--	--	--	--	--	--	--	--	--	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
MW-13B	--	--	--	--	--	--	--	--	--	--	--	--	--	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0
MW-14A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-14B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-16B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-19A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-19B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-21A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-21B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-22A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-22B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-23A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-23B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24A	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OB01	0.0	16.8	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	1.9	1.3	3.7
OB02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
OB02A	2.9	0.0	4.5	24.2	0.0	0.0	1.6	1.3	2.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
OB03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
OB03A	48.3	47.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
OB04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
OB04A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
OB0105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
OB08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
OB08A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0
OB0102	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
OB06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
OB07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
OB07A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
OB011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0
OB011A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.0	0.0
OB025	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
OB015	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0	0.0	0.0
OB012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

\* Unable to sample - well within construction site

**Table 7**  
**Historical Methane Concentrations (% by volume)**

Well	3/18/2016	9/2/2016	3/6/2017	9/19/2017	4/5/2018	9/7/2018	4/8/2019	7/29/2019	3/2/2020	7/27/2020
MW-1B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-2A	0.0	0.0	0.0	0.0	0.0	0.1	13.3	0.0	0.0	0.0
MW-2B	0.0	0.0	0.0	0.0	0.0	0.1	1.6	0.0	0.0	0.0
MW-3A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-3B	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
MW-04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-06	0.1	0.1	6.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-07	0.0	0.0	0.0	0.0	0.0	57.8	0.02	0.0	0.0	0.0
MW-08	0.0	0.0	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0
MW-09	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-11A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-11B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-12	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-13A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-13B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-13B	--	--	--	--	--	--	0.0	0.0	0.0	0.0
MW-13B	--	--	--	--	--	--	0.0	0.0	0.0	0.0
MW-13B	--	--	--	--	--	--	0.0	0.0	0.0	0.0
MW-16A	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-16B	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-19A	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-19B	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-21A	--	--	--	0.7	0.0	0.0	0.0	0.0	0.0	0.0
MW-21B	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-22A	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-22B	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-23A	--	--	--	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MW-23B	--	--	--	0.1	0.1	0.0	0.0	0.0	0.0	0.0
MW-24A	--	--	--	13.5	2.3	0.0	0.0	0.0	0.0	0.0
MW-24B	--	--	--	2.9	0.0	0.0	0.0	0.0	0.0	0.0
OB01	7.2	2.7	0.2	8.1	9.3	20.2	0.0	0.0	0.0	0.0
OB02	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB02A	0.0	0.0	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0
OB03	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB03A	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
OB04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB04A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB0105	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB08	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB08A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB0102	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB06	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB07	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
OB07A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB011	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
OB011A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB025	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB015	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB012	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OB10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

\* Unable to sample - well within construction site





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# **Appendix A**

## **Field Forms**

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## WELL PURGING AND SAMPLING RECORD

WELL ID MW-2A SAMPLE ID, MW-2A  
 WELL/SITE DESCRIPTION Gude Landfill  
 SAMPLING PERSONNEL A. Szemski

DATE 7/30/20 TIME 1517 WEATHER 94°F Sunny

WELL DEPTH 77.82 ft bgs CASING HEIGHT 2 ft  
 WATER DEPTH 58.89 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 55-75 ft bgs PUMP DEPTH 65 ft  
 PUMP START TIME 1517 min PUMP END TIME 1558 min  
 PUMP RATE 0.2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1542

HISTORICAL DATA: WELL DEPTH 76 ft bgs, WATER DEPTH 53.65 ft PUMP DEPTH 65 ft bgs, PURGE DURATION 1.75 hrs

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/30/20	1517		5.49	80.8	21.7	277.6	56.5	3.12	60.3	0.2
	1522		5.18	59.0	18.0	262.5	80.9	2.83	60.4	0.2
	1527		5.17	58.9	18.8	263.3	117.6	2.43	60.4	0.2
	1532		5.16	57.5	18.6	258.6	118.3	2.50	60.5	0.2
	1537		5.17	58.6	18.9	267.5	120.4	2.73	60.5	0.2
✓	1542		5.17	59.1	18.9	262.1	119.3	2.81	60.5	0.2

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE 





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## WELL PURGING AND SAMPLING RECORD

WELL ID       MW-2B       SAMPLE ID.       MW-2B      

WELL/SITE DESCRIPTION       Gude Landfill      

SAMPLING PERSONNEL       A. Scamsh      

DATE       7/30/20       TIME       1440       WEATHER       94°F Sunny      

WELL DEPTH <u>      110.49      </u> ft bgs	CASING HEIGHT <u>      2      </u> ft
WATER DEPTH <u>      57.9      </u> ft	WELL DIAMETER <u>      2      </u> in
SCREEN INTERVAL <u>      88-108      </u> ft bgs	PUMP DEPTH <u>      75      </u> ft
PUMP START TIME <u>      1440      </u> min	PUMP END TIME <u>      1515      </u> min
PUMP RATE <u>      0.2      </u> LPM	
SAMPLING METHOD <u>      Low-flow      </u>	SAMPLING TIME <u>      1500      </u>

HISTORICAL DATA: WELL DEPTH 110 ft bgs, WATER DEPTH 53.1 ft, PUMP DEPTH 98 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/30/20	1440		5.24	76.3	19.9	241.8	7.5	4.53	58.06	0.2
	1445		4.36	66.4	19.1	306.0	18.5	3.97	58.07	0.2
	1450		4.36	66.6	19.1	289.1	45.3	3.68	58.10	0.2
	1455		4.37	69.2	20.3	272.1	48.9	3.23	58.10	0.2
↓	1500		4.38	69.6	20.4	270.5	46.7	3.19	58.11	0.2

METHANE READING (GEM)       0.00%      

COMMENTS \_\_\_\_\_

SIGNATURE       A. Scamsh

**WELL PURGING AND SAMPLING RECORD**

WELL ID MW-3A SAMPLE ID. MW-3A  
 WELL/SITE DESCRIPTION Gude Landfill  
 SAMPLING PERSONNEL \_\_\_\_\_

DATE 7 / 28 / 20 TIME 1151 WEATHER 85°F Sunny

WELL DEPTH 25.64 ft bgs CASING HEIGHT 2 ft  
 WATER DEPTH 9.30 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 15 ft  
 PUMP START TIME 1151 min PUMP END TIME 1236 min  
 PUMP RATE 0.3 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1216

HISTORICAL DATA: WELL DEPTH 25 ft bgs, WATER DEPTH 9 ft, PUMP DEPTH 15 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>e</sup>	°C	mV	NTU	mg/L		LPM
7/28/20	1151		5.70	47.4	17.2	197.4	692.2	8.64	9.83	0.3
	1156		5.68	47.1	17.5	194.8	653	8.59	9.83	0.3
	1201		5.67	47.0	17.6	204.9	956.2	8.58	9.82	0.3
	1206		5.64	46.0	17.2	216.6	1296.1	8.71	9.80	0.3
	1211		5.65	46.4	17.6	222.2	1201.1	8.68	9.80	0.3
	1216		5.65	46.0	17.5	223.2	1209.1	8.68	9.80	0.3

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE 



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## WELL PURGING AND SAMPLING RECORD

WELL ID                      MW-3B                      SAMPLE ID.                      MW-3B                     

WELL/SITE DESCRIPTION                      Gude Landfill                     

SAMPLING PERSONNEL                     

DATE 7/28/20 TIME 1107 WEATHER 84°F Sunny

WELL DEPTH 96.64 ft bgs CASING HEIGHT 2 ft  
 WATER DEPTH 8.96 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 76-96 ft bgs PUMP DEPTH 85 ft  
 PUMP START TIME 1107 min PUMP END TIME                      min  
 PUMP RATE 0.5 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1122

HISTORICAL DATA: WELL DEPTH 96 ft bgs, WATER DEPTH 7.0 ft, PUMP DEPTH 86 ft bgs, PURGE DURATION 1.75 hrs

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/28/20	1107		7.72	80.4	15.3	134.2	7.6	9.36	13.4	0.5
↓	1112		6.45	113.3	17.3	155.7	7.4	7.22	13.8	0.5
↓	1117		6.44	109.2	17.2	160.2	8.1	7.29	13.0	0.5
↓	1122		6.45	100.1	17.2	156.1	9.0	7.80	13.0	0.5

METHANE READING (GEM)                     

COMMENTS                     

SIGNATURE





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and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID       MW-6       SAMPLE ID.       MW-6      

WELL/SITE DESCRIPTION       Gude Landfill      

SAMPLING PERSONNEL       A. Szanski      

DATE 8/15/20 TIME 1353 WEATHER 84°F Sunny

WELL DEPTH <u>20.22</u> ft bgs	CASING HEIGHT <u>2</u> ft
WATER DEPTH <u>15.2</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>5-25</u> ft bgs	PUMP DEPTH <u>22</u> ft
PUMP START TIME <u>1353</u> min	PUMP END TIME <u>1440</u> min
PUMP RATE <u>0.3</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1428</u>

HISTORICAL DATA: WELL DEPTH 25 ft bgs, WATER DEPTH 15.7 ft, PUMP DEPTH 15 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L		LPM
8/15/20	1353		9.47	1852	17.6	120.8	468.0	0.90	16.3	0.3
	1358		5.96	1894	18.8	120.3	120.6	0.65	14.5	0.3
	1403		5.96	1947	20.2	115.3	474.5	0.61	14.5	0.3
	1408		5.96	1944	20.2	115.7	126.8	0.59	14.5	0.3
	1413		5.98	1939	20.2	115.8	104.3	0.65	14.5	0.3
	1418		5.99	1961	20.5	111.9	32.2	0.64	14.5	0.3
	1423		6.00	1968	20.6	108.6	30.3	0.59	14.5	0.3
✓	1428		6.00	1982	20.9	107.4	29.8	0.57	14.5	0.3

METHANE READING (GEM)       0.00%      

COMMENTS \_\_\_\_\_

SIGNATURE       *A. Szanski*



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID       MW-7       SAMPLE ID.       MW-7      

WELL/SITE DESCRIPTION       Gude Landfill      

SAMPLING PERSONNEL       A. Scrametti      

DATE       8/5/20       TIME       1002       WEATHER       76°F Sunny      

WELL DEPTH       55.3       ft bgs CASING HEIGHT       2       ft  
 WATER DEPTH       43.8       ft WELL DIAMETER       2       in  
 SCREEN INTERVAL       33-53       ft bgs PUMP DEPTH       50       ft  
 PUMP START TIME       1002       min PUMP END TIME       1030       min  
 PUMP RATE       0.2       LPM  
 SAMPLING METHOD       Low-flow       SAMPLING TIME       1017      

HISTORICAL DATA: WELL DEPTH 53 ft bgs, WATER DEPTH 42 ft, PUMP DEPTH 43 ft bgs, PURGE DURATION 40 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L		LPM
8/5/20	1002		6.53	842	19.0	62.6	45.3	1.81	44.4	0.2
↓	1007		6.04	923	18.3	84.1	43.2	0.76	44.4	0.2
↓	1012		6.03	933	20.3	94.8	43.3	0.61	44.4	0.2
↓	1017		6.03	933	26.6	103.4	43.8	0.57	44.9	0.2

METHANE READING (GEM)       0.00%      

COMMENTS \_\_\_\_\_

\_\_\_\_\_

SIGNATURE       A. Scrametti









EA Engineering, Science, and Technology, Inc.

# WELL PURGING AND SAMPLING RECORD

WELL ID MW-10 SAMPLE ID. MW-10

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamek

DATE 8/6/20 TIME 1033 WEATHER 74° F Sunny

WELL DEPTH 24.2 ft bgs CASING HEIGHT 2 ft  
 WATER DEPTH 7.6 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 5-25 ft bgs PUMP DEPTH 20 ft  
 PUMP START TIME 1033 min PUMP END TIME 1109 min  
 PUMP RATE 0.3 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1053

HISTORICAL DATA: WELL DEPTH 25 ft bgs, WATER DEPTH 6.5 ft, PUMP DEPTH 15 ft bgs, PURGE DURATION 60 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>e</sup>	°C	mV	NTU	mg/L		LPM
8/6/20	1033		7.32	72.1	15.5	577.1	495.4	1.81	8.2	0.3
	1038		6.25	55.3	16.4	427.1	260.1	1.43	8.5	0.3
	1043		6.18	61.2	17.8	498.5	104.7	1.58	9.0	0.3
	1048		6.17	60.9	17.9	500.8	98.6	1.91	9.7	0.3
	1053		6.17	63.3	18.1	506.1	95.2	1.83	10.0	0.3

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID MW-11A SAMPLE ID. MW-11A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamslak

DATE 8/16/20 TIME 0935 WEATHER 71°F Overcast

WELL DEPTH <u>28.50</u> ft bgs	CASING HEIGHT <u>2</u> ft
WATER DEPTH <u>16.2</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>10-30</u> ft bgs	PUMP DEPTH <u>25</u> ft
PUMP START TIME <u>0935</u> min	PUMP END TIME <u>1013</u> min
PUMP RATE <u>0.3</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>0950</u>

HISTORICAL DATA: WELL DEPTH 30 ft bgs, WATER DEPTH 16 ft, PUMP DEPTH 23 ft bgs, PURGE DURATION 70 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L		LPM
8/16/20	0935		6.16	164.2	14.5	198.2	1056.9	6.02	16.5	0.3
	0940		5.44	162.1	15.9	199.2	20.2	5.90	16.5	0.3
	0945		5.45	149.9	16.9	206.6	21.3	6.79	17.1	0.3
	0950		5.44	159.1	17.0	205.1	22.1	6.29	17.4	0.3

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE



## WELL PURGING AND SAMPLING RECORD

WELL ID       MW-11B       SAMPLE ID.       MW-11B      

WELL/SITE DESCRIPTION       Gude Landfill      

SAMPLING PERSONNEL       A. Szemski      

DATE       8 / 5 / 20       TIME       0858       WEATHER       71°F overcast      

WELL DEPTH <u>      89.5      </u> ft bgs	CASING HEIGHT <u>      2      </u> ft
WATER DEPTH <u>      17.22      </u> ft	WELL DIAMETER <u>      2      </u> in
SCREEN INTERVAL <u>      73-93      </u> ft bgs	PUMP DEPTH <u>      50      </u> ft
PUMP START TIME <u>      0858      </u> min	PUMP END TIME <u>      0931      </u> min
PUMP RATE <u>      0.4      </u> LPM	
SAMPLING METHOD <u>      Low-flow      </u>	SAMPLING TIME <u>      0913      </u>

HISTORICAL DATA: WELL DEPTH 93 ft bgs, WATER DEPTH 17 ft, PUMP DEPTH 83 ft bgs, PURGE DURATION 25 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L		LPM
8/5/20	0858		7.96	212.7	15.3	128.6	10.6	6.06	17.30	0.4
	0903		6.72	208.1	15.5	139.6	2.1	5.45	17.30	0.4
	0908		6.76	208.5	15.9	146.9	2.2	5.34	17.30	0.4
	0913		6.71	207.6	15.9	148.6	2.3	5.26	17.31	0.4

METHANE READING (GEM)       0.00%      

COMMENTS \_\_\_\_\_  
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SIGNATURE       A. Szemski



## WELL PURGING AND SAMPLING RECORD

WELL ID       MW-13A       SAMPLE ID.       MW-13A      

WELL/SITE DESCRIPTION       Gude Landfill      

SAMPLING PERSONNEL       A. Starnski      

DATE       7/27/20       TIME       0818       WEATHER       Sunny 80°      

WELL DEPTH <u>      24.64      </u> ft bgs	CASING HEIGHT <u>      2      </u> ft
WATER DEPTH <u>      6.93      </u> ft	WELL DIAMETER <u>      2      </u> in
SCREEN INTERVAL <u>      5-25      </u> ft bgs	PUMP DEPTH <u>      15      </u> ft
PUMP START TIME <u>      0818      </u> min	PUMP END TIME <u>      0902      </u> min
PUMP RATE <u>      0.3      </u> LPM	
SAMPLING METHOD <u>      Low-flow      </u>	SAMPLING TIME <u>      0838      </u>

HISTORICAL DATA: WELL DEPTH 25 ft bgs, WATER DEPTH 7.5 ft, PUMP DEPTH 15 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm°	°C	mV	NTU	mg/L	from TOC	LPM
7/27/20	0818		5.11	346.1	15	170.4	104.4	1.03	7.54	0.3
	0823		4.79	348.0	16.3	114.2	85.0	0.66	7.45	0.3
	0828		4.84	347.3	16.3	87.7	41.7	0.57	7.42	0.3
	0833		4.85	347.5	16.4	89.1	35.4	0.28	7.35	0.3
✓	0838		4.85	347.6	16.4	89.5	30.5	0.53	7.35	0.3

METHANE READING (GEM)       0.00%      

COMMENTS \_\_\_\_\_

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SIGNATURE       A. Starnski      

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2020



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## WELL PURGING AND SAMPLING RECORD

WELL ID                      MW-13B                      SAMPLE ID.                      MW-13B, OB30  
 WELL/SITE DESCRIPTION                      Gude Landfill                       
 SAMPLING PERSONNEL                      A. Scarnick                     

DATE                      7/27/20                      TIME                      0916                      WEATHER                      80° Sunny                     

WELL DEPTH                      97.42                      ft bgs                      CASING HEIGHT                      2                      ft  
 WATER DEPTH                      6.00                      ft                      WELL DIAMETER                      2                      in  
 SCREEN INTERVAL                      75-95                      ft bgs                      PUMP DEPTH                      80                      ft  
 PUMP START TIME                      0916                      min                      PUMP END TIME                      0959                      min  
 PUMP RATE                      0.2                      LPM                       
 SAMPLING METHOD                      Low-flow                      SAMPLING TIME                      0931                     

HISTORICAL DATA: WELL DEPTH 95 ft bgs, WATER DEPTH 6.2 ft, PUMP DEPTH 85 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/27/20	0916		6.18	640	14.4	249.3	5.6	1.61	6.1	0.2
	0921		5.85	637	14.9	218.2	3.3	0.67	6.1	0.2
	0926		5.84	639	15.1	207.6	3.0	0.61	6.1	0.2
	0931		5.85	639	15.0	199.3	2.6	0.56	6.1	0.2

DUPLICATE SAMPLE ID: **OB30**  
 METHANE READING (GEM)                      0.00%                       
 COMMENTS                     

SIGNATURE                      



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## WELL PURGING AND SAMPLING RECORD

WELL ID MW-14A SAMPLE ID. MW-14A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamota

DATE 8/10/20 TIME 1155 WEATHER 78°F Sunny

WELL DEPTH <u>39.1</u> ft bgs	CASING HEIGHT <u>2</u> ft
WATER DEPTH <u>18.55</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>30-40</u> ft bgs	PUMP DEPTH <u>35</u> ft
PUMP START TIME <u>1155</u> min	PUMP END TIME <u><del>39</del> 1241</u> min
PUMP RATE <u>0.4</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1220</u>

HISTORICAL DATA: WELL DEPTH 40 ft bgs, WATER DEPTH 17.4 ft, PUMP DEPTH 35 ft bgs, PURGE DURATION 1.5 hrs

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>o</sup>	°C	mV	NTU	mg/L		LPM
8/6/20	1155		5.64	896	16.3	319.1	1405	6.75	19.0	0.4
	1200		5.70	926	18.2	318.2	1012.8	6.42	19.2	0.4
	1205		5.31	962	18.5	323.8	395.6	6.40	19.1	0.4
	1210		5.32	966	18.4	327.0	325.1	6.48	19.3	0.4
	1215		5.33	966	18.3	330.9	315.6	6.46	19.3	0.4
	1220		5.33	962	18.4	331.3	318.2	6.45	19.3	0.4

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_  
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SIGNATURE









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and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID          MW-16A          SAMPLE ID.          MW-16A         

WELL/SITE DESCRIPTION          Gude Landfill         

SAMPLING PERSONNEL          A Szamster         

DATE 8/13/20 TIME 1510 WEATHER 78°F Sunny

WELL DEPTH 63.74 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 44.54 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 40-60 ft bgs PUMP DEPTH 50 ft  
 PUMP START TIME 1510 min PUMP END TIME 1545 min  
 PUMP RATE 0.2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1530

HISTORICAL DATA: WELL DEPTH 63.66 ft bgs, WATER DEPTH 44.2 ft, PUMP DEPTH 50 ft bgs, PURGE DURATION 50 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L		LPM
8/13/20	1510		5.98	573	19.9	171.2	1283.4	1.10	45.1	0.2
	1515		5.85	686	21.5	96.8	1571.4	0.74	45.1	0.2
	1526		6.03	708	24.6	48.7	50.1	0.67	44.9	0.2
	1528		6.04	673	21.6	49.1	55.2	0.51	45.6	0.2
	1530		6.04	675	21.1	45.2	50.3	0.50	45.6	0.2

METHANE READING (GEM) 0.00%

COMMENTS Hard to pump, no water coming  
only a few feet of water

SIGNATURE





EA Engineering, Science,  
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### WELL PURGING AND SAMPLING RECORD

WELL ID                      MW-19A                      SAMPLE ID.                      MW-19A                     

WELL/SITE DESCRIPTION                      Gude Landfill                     

SAMPLING PERSONNEL                      A. Szamsh                     

DATE                      8 / 5 / 20                      TIME                      1252                      WEATHER                      83°F Sunny                     

WELL DEPTH <u>                    </u> 28.45 <u>                    </u> ft bgs	CASING HEIGHT <u>                    </u> 3 <u>                    </u> ft
WATER DEPTH <u>                    </u> 4.4 <u>                    </u> ft	WELL DIAMETER <u>                    </u> 2 <u>                    </u> in
SCREEN INTERVAL <u>                    </u> 6-26 <u>                    </u> ft bgs	PUMP DEPTH <u>                    </u> 20 <u>                    </u> ft
PUMP START TIME <u>                    </u> 1252 <u>                    </u> min	PUMP END TIME <u>                    </u> <u>                    </u> min
PUMP RATE <u>                    </u> 0.2 <u>                    </u> LPM	
SAMPLING METHOD <u>                    </u> Low-flow <u>                    </u>	SAMPLING TIME <u>                    </u> 1322 <u>                    </u>

HISTORICAL DATA: WELL DEPTH 30 ft bgs, WATER DEPTH 4.5 ft, PUMP DEPTH 16 ft bgs, PURGE DURATION 40 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/5/20	1252		6.20	862	15.0	184.8	168.4	0.82	4.7	0.2
	1257		6.03	850	15.2	200.4	244.1	0.69	4.7	0.2
	1302		5.96	854	15.4	207.9	202.1	0.63	4.6	0.2
	1307		5.88	858	15.4	217.2	140.3	0.59	4.6	0.2
	1312		5.89	860	15.4	223.5	105.3	0.58	4.6	0.2
	1317		5.89	863	15.4	230.3	109.1	0.56	4.6	0.2
	1322		5.88	863	15.5	233.3	103.7	0.55	4.6	0.2

METHANE READING (GEM)                      0.00%                     

COMMENTS                     

SIGNATURE                      



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### WELL PURGING AND SAMPLING RECORD

WELL ID MW-19B SAMPLE ID. MW-19B

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Jaramski

DATE 8/5/20 TIME 1223 WEATHER 80°F Sunny

WELL DEPTH 78.60 HIST 78.62 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 3.70 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 56-76 ft bgs PUMP DEPTH 60 ft  
 PUMP START TIME 1223 min PUMP END TIME 1250 min  
 PUMP RATE 0.3 LPM SAMPLING TIME 1238

SAMPLING METHOD Low-flow

HISTORICAL DATA: WELL DEPTH 78.62 ft bgs, WATER DEPTH 4.2 ft, PUMP DEPTH 66 ft bgs, PURGE DURATION 35 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/5/20	1223		9.56	582	15.6	131.5	13.8	5.00	4.00	0.3
	1228		6.46	608	16.0	148.6	6.9	4.05	4.00	0.3
	1233		6.45	663	16.0	151.7	3.8	1.59	4.00	0.3
	1238		6.45	681	16.0	153.6	3.9	1.16	4.00	0.3

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE A. Jaramski



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID       MW-21A       SAMPLE ID.       MW-21A      

WELL/SITE DESCRIPTION       Gude Landfill      

SAMPLING PERSONNEL       A. Szarnski      

DATE       7/30/20       TIME       1330       WEATHER       91°F Sunny      

WELL DEPTH <u>      29.0      </u> ft bgs	CASING HEIGHT <u>      4      </u> ft
WATER DEPTH <u>      8.09      </u> ft	WELL DIAMETER <u>      2      </u> in
SCREEN INTERVAL <u>      6-26      </u> ft bgs	PUMP DEPTH <u>      15      </u> ft
PUMP START TIME <u>      1330      </u> min	PUMP END TIME <u>      1409      </u> min
PUMP RATE <u>      0.3      </u> LPM	
SAMPLING METHOD <u>      Low-flow      </u>	SAMPLING TIME <u>      1345      </u>

HISTORICAL DATA: WELL DEPTH 25 ft bgs, WATER DEPTH 4.0 ft, PUMP DEPTH 16 ft bgs, PURGE DURATION 20 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>2</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/30/20	1330		6.71	1033	21.4	5.0	26.5	2.25	8.30	0.3
	1335		6.12	1044	20.2	10.4	26.3	0.82	8.30	0.3
	1340		6.12	1037	20.7	22.9	26.1	0.69	8.30	0.3
	1345		6.12	1036	20.7	24.3	26.7	0.64	8.30	0.3

METHANE READING (GEM)       0.00%      

COMMENTS \_\_\_\_\_

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SIGNATURE \_\_\_\_\_



## WELL PURGING AND SAMPLING RECORD

WELL ID       MW-22A       SAMPLE ID.       MW-22A      

WELL/SITE DESCRIPTION       Gude Landfill      

SAMPLING PERSONNEL       A. Stanski      

DATE       7/28/20       TIME       0917       WEATHER       85°F Sunny      

WELL DEPTH <u>      28.75      </u> ft bgs	CASING HEIGHT <u>      4      </u> ft
WATER DEPTH <u>      5.78      </u> ft	WELL DIAMETER <u>      2      </u> in
SCREEN INTERVAL <u>      6-26      </u> ft bgs	PUMP DEPTH <u>      10      </u> ft
PUMP START TIME <u>      0917      </u> min	PUMP END TIME <u>      0950      </u> min
PUMP RATE <u>      0.2      </u> LPM	
SAMPLING METHOD <u>      Low-flow      </u>	SAMPLING TIME <u>      0937      </u>

HISTORICAL DATA: WELL DEPTH 29 ft bgs, WATER DEPTH 5.8 ft, PUMP DEPTH 16 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>2</sup>	°C	mV	NTU	mg/L		LPM
7/28/20	0917		7.16	1079	17.3	-24.5	161.9	1.10	5.5	0.2
	0922		6.56	1082	17.0	-26.8	8.8	0.61	5.5	0.2
	0927		6.50	1090	17.2	-28.3	7.4	0.54	5.5	0.2
	0932		6.49	1088	17.2	-24.9	7.2	0.51	5.4	0.2
	0937		6.50	1088	17.2	-23.1	8.3	0.49	5.4	0.2

METHANE READING (GEM)       0.00%      

COMMENTS \_\_\_\_\_

SIGNATURE       A. Stanski





EA Engineering, Science,  
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## WELL PURGING AND SAMPLING RECORD

WELL ID                      MW-22B                      SAMPLE ID.                      MW-22B                     

WELL/SITE DESCRIPTION                      Gude Landfill                     

SAMPLING PERSONNEL                      A. Scanlon                     

DATE                      7/28/20                      TIME                      1000                      WEATHER                      82°F Sunny                     

WELL DEPTH                      99.41                      ft bgs                      CASING HEIGHT                      4                      ft  
 WATER DEPTH                      3.8                      ft                      WELL DIAMETER                      2                      in  
 SCREEN INTERVAL                      77-97                      ft bgs                      PUMP DEPTH                      80                      ft  
 PUMP START TIME                      1000                      min                      PUMP END TIME                      1030                      min  
 PUMP RATE                      0.2                      LPM  
 SAMPLING METHOD                      Low-flow                      SAMPLING TIME                      1015                     

HISTORICAL DATA: WELL DEPTH 100 ft bgs, WATER DEPTH 4.3 ft, PUMP DEPTH 87 ft bgs, PURGE DURATION 25 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/28/20	1000		6.89	838	16.8	91.7	14.9	0.27	5.4	0.2
	1005		6.90	915	20.5	76.6	13.3	0.15	5.4	0.2
	1010		6.91	930	21.2	62.3	13.2	0.10	5.4	0.2
	1015		6.91	970	23.2	61.5	16.0	0.66	5.4	0.2

METHANE READING (GEM)                      0.00%                     

COMMENTS                     

SIGNATURE



EA Engineering, Science, and Technology, Inc.

### WELL PURGING AND SAMPLING RECORD

WELL ID MW-23A SAMPLE ID. MW-23A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szarnski

DATE 8/3/20 TIME 1011 WEATHER 77°F Sunny

WELL DEPTH 88.0 ft bgs CASING HEIGHT 0 ft  
 WATER DEPTH 24.0 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 68-88 ft bgs PUMP DEPTH 75 ft  
 PUMP START TIME 1011 min PUMP END TIME 1046 min  
 PUMP RATE 0.3 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1046

HISTORICAL DATA: WELL DEPTH 46.5 ft bgs, WATER DEPTH 24.4 ft, PUMP DEPTH 40 ft bgs, PURGE DURATION 1.75 hrs

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/3/20	1011		7.48	341.2	15.3	68.5	77.6	3.36	25.0	0.3
	1016		6.17	407.9	15.5	82.5	157.4	0.77	27.0	0.3
	1021		6.21	412.5	16.9	79.2	100.8	0.69	27.2	0.2
	1026		6.24	414.7	16.8	67.2	81.5	0.70	27.2	0.2
	1031		6.23	415.6	16.7	54.1	82.0	0.71	27.2	0.2
	1036		6.23	417.2	16.8	39.4	80.0	0.69	27.2	0.2
	1041		6.24	418.7	16.9	38.2	81.1	0.66	27.22	0.2
	1046		6.24	420.0	16.9	35.6	70.4	0.63	27.25	0.2

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID                      MW-23B                      SAMPLE ID.                      MW-23B                     

WELL/SITE DESCRIPTION                      Gude Landfill                     

SAMPLING PERSONNEL                      A. S. Sample                     

DATE                      8 / 3 / 20                      TIME                      1113                      WEATHER                      79°F Sunny                     

WELL DEPTH                      45.60                      ft bgs                      CASING HEIGHT                      0                      ft  
 WATER DEPTH                      24.50                      ft                      WELL DIAMETER                      2                      in  
 SCREEN INTERVAL                      26-46                      (ft bgs)                      PUMP DEPTH                      35                      ft  
 PUMP START TIME                      1113                      min                      PUMP END TIME                      1208                      min  
 PUMP RATE                      0.2                      LPM                      SAMPLING TIME                      1158                       
 SAMPLING METHOD                      Low-flow                     

HISTORICAL DATA: WELL DEPTH 89.4 ft bgs, WATER DEPTH 23.6 ft, PUMP DEPTH 40 ft bgs, PURGE DURATION 20 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>2</sup>	°C	mV	NTU	mg/L		LPM
8/3/20	1113		6.17	365.9	16.9	236.4	575.7	2.41	25.2	0.2
	1118		5.00	347.1	16.0	256.3	946.3	1.84	25.25	0.2
	1123		5.03	349.1	16.8	256.5	1443.1	1.78	25.70	0.2
	1128		5.16	355.7	17.8	242.5	887.2	1.75	25.50	0.2
	1133		5.25	360.8	18.2	243.1	576.5	1.82	25.6	0.2
	1138		5.29	364.4	18.5	247.6	297.6	1.86	25.55	0.2
	1143		5.31	382.3	18.5	286.6	188.7	1.90	25.85	0.2
	1148		5.31	389.9	18.4	257.4	117.1	1.91	25.6	0.2
	1153		5.30	364.4	18.5	261.9	117.9	1.91	25.6	0.2
	1158		5.31	380.2	18.5	264.0	120.1	1.92	25.6	0.2

METHANE READING (GEM)                      0.00%                     

COMMENTS                     

SIGNATURE                      



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID MW-24A SAMPLE ID. MW-24A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Seaman slc

DATE 7/29/20 TIME 1126 WEATHER 89°F Sunny

WELL DEPTH 48.0 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 29.45 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 35-45 ft bgs PUMP DEPTH 40 ft  
 PUMP START TIME 1126 min PUMP END TIME 1200 min  
 PUMP RATE 0.2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1141

HISTORICAL DATA: WELL DEPTH 48 ft bgs, WATER DEPTH 29 ft, PUMP DEPTH 40 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/29/20	1126		6.33	1236	19.1	2.6	76.8	1.34	30.8	0.2
	1131		5.83	1262	20.0	-0.5	12.9	0.62	30.8	0.2
	1136		5.82	1263	26.6	-8.1	10.1	0.52	30.8	0.2
	1141		5.82	1204	26.7	-10.5	9.9	0.49	30.8	0.2

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_  
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SIGNATURE \_\_\_\_\_

**WELL PURGING AND SAMPLING RECORD**

WELL ID                      MW-24B                      SAMPLE ID.                      MW-24B, OB40                     

WELL/SITE DESCRIPTION                      Gude Landfill                     

SAMPLING PERSONNEL                      A. Szanski                     

DATE                      7/29/20                      TIME                      1046                      WEATHER                      73°F Sunny                     

WELL DEPTH                      79.95                      ft bgs                      CASING HEIGHT                      3                      ft  
 WATER DEPTH                      29.07                      ft                      WELL DIAMETER                      2                      in  
 SCREEN INTERVAL                      58-78                      ft bgs                      PUMP START TIME                      1046                      min  
 PUMP DEPTH (HIST)                      65                      ft                      PUMP END TIME                      1124                      min  
 PUMP RATE                      0.2                      LPM  
 SAMPLING METHOD                      Low-flow                      SAMPLING TIME                     

HISTORICAL DATA: WELL DEPTH 80 ft bgs, WATER DEPTH 29.1 ft, PUMP DEPTH 68 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate LPM
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L		
7/29/20	1046		6.68	1051	23.6	-62.5	26.9	3.54	30.2	0.2
	1051		6.51	1349	22.9	-83.6	19.6	1.12	30.3	0.2
	1056		6.50	1396	22.5	-96.6	16.0	0.81	30.3	0.2
	1101		6.50	1418	23.4	-81.9	20.9	0.75	30.4	0.2

DUPLICATE SAMPLE ID: **OB40**

METHANE READING (GEM)                      0.00%                     

COMMENTS                     

SIGNATURE



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB01 SAMPLE ID. OB01

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamslak

DATE 8/5/20 TIME 1448 WEATHER 84°F Sunny

WELL DEPTH <u>75.0</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>13.1</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>35-75</u> ft bgs	PUMP DEPTH <u>45</u> ft
PUMP START TIME <u>1448</u> min	PUMP END TIME <u>1524</u> min
PUMP RATE <u>0.2</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1513</u>

HISTORICAL DATA: WELL DEPTH 75 ft bgs, WATER DEPTH 14.3 ft, PUMP DEPTH 55 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/5/20	1448		7.96	2187	19.2	181.7	22.1	1.43	13.3	0.2
	1453		5.93	2099	19.4	196.1	22.0	1.21	13.1	0.2
	1458		5.87	2129	19.9	202.3	0.6	0.58	13.1	0.2
	1503		5.87	2143	20.4	206.4	0.2	0.53	13.1	0.2
	1508		5.88	2127	20.0	209.6	0.3	0.51	13.1	0.2
✓	1513		5.88	2130	20.0	209.1	0.2	0.51	13.1	0.2

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE

**WELL PURGING AND SAMPLING RECORD**

WELL ID OB02 SAMPLE ID. OB02

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamstki

DATE 8/5/20 TIME 1120 WEATHER 79°F Sunny

WELL DEPTH 78.9 120.8 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 16.05 16.05 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 71-121 ft bgs PUMP DEPTH 85 ft  
 PUMP START TIME 1120 min PUMP END TIME 1158 min  
 PUMP RATE 0.2 LPM SAMPLING TIME 1140

HISTORICAL DATA: WELL DEPTH 121 ft bgs, WATER DEPTH 16.0 ft PUMP DEPTH 96 ft bgs, PURGE DURATION 35 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L		LPM
8/5/20	1120		7.03	487.3	17.6	186.7	29.0	2.85	16.9	0.2
	1125		6.43	568	19.2	183.8	17.6	1.06	17.1	0.2
	1130		6.43	573	19.7	183.0	16.4	1.08	17.4	0.2
	1135		6.42	581	20.2	182.1	15.1	1.09	17.3	0.2
	1140		6.43	594	20.5	181.7	14.5	1.10	17.3	0.2

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE 



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and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB02A SAMPLE ID. OB02A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamuel

DATE 8/15/20 TIME 1054 WEATHER 77°F Sunny

WELL DEPTH <u>78.9</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>16.05</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>37-77</u> ft bgs	PUMP DEPTH <u>50</u> ft
PUMP START TIME <u>1054</u> min	PUMP END TIME <u>1115</u> min
PUMP RATE <u>0.2</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1109</u>

HISTORICAL DATA: WELL DEPTH 77 ft bgs, WATER DEPTH 16.2 ft PUMP DEPTH 57 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/15/20	1054		6.36	1090	16.6	200.3	18.1	1.16	16.4	0.2
	1059		5.70	1107	17.1	214.8	15.1	0.70	16.3	0.2
	1104		5.69	1111	17.7	215.1	14.6	0.68	16.3	0.2
	1109		5.69	1114	17.7	215.0	15.5	0.68	16.3	

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE



## WELL PURGING AND SAMPLING RECORD

WELL ID OB03 SAMPLE ID. OB03

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 8/5/20 TIME 0807 WEATHER 68°F Sunny

WELL DEPTH 151.7 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 23.1 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 104-154 ft bgs PUMP DEPTH 100 ft  
 PUMP START TIME 0807 min PUMP END TIME 0835 min  
 PUMP RATE 0.3 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 0822

HISTORICAL DATA: WELL DEPTH 154 ft bgs, WATER DEPTH 22.0 ft, PUMP DEPTH 129 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>2</sup>	°C	mV	NTU	mg/L		LPM
8/5/20	0807		6.81	1045	16.2	75.4	22.4	1.73	23.1	0.3
	0812		5.86	1017	16.5	42.7	1.5	0.72	23.3	0.3
	0817		5.85	1035	17.0	38.3	1.3	0.66	23.3	0.3
	0822		5.85	1039	17.0	36.1	1.4	0.63	23.3	0.3

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE *A. Szanski*



EA Engineering, Science,  
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## WELL PURGING AND SAMPLING RECORD

WELL ID OB03A SAMPLE ID. OB03A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Seams

DATE 8/5/20 TIME 0840 WEATHER 71°F Sunny

WELL DEPTH <u>96.50</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>23.68</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>50-97</u> ft bgs	PUMP DEPTH <u>65</u> ft
PUMP START TIME <u>0840</u> min	PUMP END TIME <u>0908</u> min
PUMP RATE <u>0.3</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>0855</u>

HISTORICAL DATA: WELL DEPTH 97 ft bgs, WATER DEPTH 22.3 ft PUMP DEPTH 73 ft bgs, PURGE DURATION 1.25 hrs

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/5/20	0840		6.62	1259	16.3	74.3	264.5	0.99	23.65	0.3
	0845		6.32	1208	16.9	20.4	97.1	6.61	23.3	0.3
	0850		6.31	1202	17.3	18.4	95.5	6.58	23.65	0.3
	0855		6.31	1189	17.4	17.4	92.1	6.56	23.65	0.3

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE A. Seams



EA Engineering, Science,  
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## WELL PURGING AND SAMPLING RECORD

WELL ID OB04 SAMPLE ID. OB04

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamsk.

DATE 7, 27, 20 TIME 1123 WEATHER 86° Sunny

WELL DEPTH 137.81 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 4.38 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 86-136 ft bgs PUMP DEPTH 100 ft  
 PUMP START TIME 1123 min PUMP END TIME 1200 min  
 PUMP RATE 0.4 LPM SAMPLING TIME 1143  
 SAMPLING METHOD Low-flow

HISTORICAL DATA: WELL DEPTH 136 ft bgs, WATER DEPTH 4.9 ft PUMP DEPTH 111 ft bgs, PURGE DURATION 35 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/27/20	1123		6.35	1897	17.7	-107.5	3.5	1.16	4.45	0.4
	1128		5.95	2021	19.8	-99.6	2.5	0.60	4.45	0.4
	1133		5.92	2023	19.6	-61.4	1.7	0.57	4.46	0.4
	1138		5.92	2015	19.4	-60.2	1.5	0.56	4.46	0.4
	1143		5.93	2028	19.6	-60.0	1.4	0.53	4.46	0.4

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE



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## WELL PURGING AND SAMPLING RECORD

WELL ID OB04A SAMPLE ID. OB04A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 7/27/20 TIME 1230 WEATHER 90° Sunny

WELL DEPTH 57.82 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 5.22 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 33-83 ft bgs PUMP DEPTH \_\_\_\_\_ ft  
 PUMP START TIME 1230 min PUMP END TIME 1245 min  
 PUMP RATE 0.4 LPM SAMPLING TIME 1245  
 SAMPLING METHOD Low-flow

HISTORICAL DATA: WELL DEPTH 83 ft bgs, WATER DEPTH 6.0 ft PUMP DEPTH 58 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/27/20	1230		5.69	1977	18.1	208.6	6.3	0.79	5.25	0.4
	↓ 1235		5.59	2025	19.1	187.2	4.5	0.54	5.26	0.4
	↓ 1240		5.60	2007	18.9	186.4	2.9	0.80	5.26	0.4
	↓ 1245		5.59	2009	18.9	159.9	2.1	0.48	5.26	0.4

METHANE READING (GEM) 0.0070

COMMENTS \_\_\_\_\_

SIGNATURE 



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## WELL PURGING AND SAMPLING RECORD

WELL ID OB06 SAMPLE ID. OB06

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamko

DATE 7/29/20 TIME 1416 WEATHER 89°F Sunny

WELL DEPTH 67.65 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 9.00 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 26-66 ft bgs PUMP DEPTH 40 ft  
 PUMP START TIME 1416 min PUMP END TIME 1450 min  
 PUMP RATE 0.4 LPM SAMPLING TIME 1436  
 SAMPLING METHOD Low-flow

HISTORICAL DATA: WELL DEPTH 67 ft bgs, WATER DEPTH 7.8 ft PUMP DEPTH 58 ft bgs, PURGE DURATION 50 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>6</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/29/20	1416		6.40	1490	15.0	187.1	84.4	2.22	10.14	0.4
	↑ 1421		5.81	1499	15.4	176.7	100.2	0.95	10.14	0.4
	↓ 1426		5.84	1533	16.4	166.3	100.3	0.93	10.16	0.4
	↓ 1431		5.85	1537	16.6	167.6	65.4	0.94	10.16	0.4
	↓ 1436		5.85	1531	16.4	171.9	58.1	1.16	10.16	0.4

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE



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## WELL PURGING AND SAMPLING RECORD

WELL ID OB07 SAMPLE ID. OB07

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szarnski

DATE 7/29/20 TIME 1256 WEATHER 87°F Sunny

WELL DEPTH <u>6.97</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>146.7</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>31-81</u> ft bgs	PUMP DEPTH <u>50</u> ft
PUMP START TIME <u>1256</u> min	PUMP END TIME <u>1322</u> min
PUMP RATE <u>0.5</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1316</u>

HISTORICAL DATA: WELL DEPTH 81 ft bgs, WATER DEPTH 6.7 ft PUMP DEPTH 56 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L		LPM
7/29/20	1256		7.97	967	14.6	114.4	11.2	4.50	7.4	0.5
	1301		7.15	991	15.5	109.1	10.6	3.37	7.4	0.5
	1306		6.87	997	15.9	104.0	9.4	2.29	7.4	0.5
	1311		6.86	995	16.0	119.8	7.4	1.14	7.4	0.5
	1316		6.86	994	15.9	126.8	6.9	1.10	7.4	0.5

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE

**WELL PURGING AND SAMPLING RECORD**

WELL ID OB07A SAMPLE ID. OB07A  
 WELL/SITE DESCRIPTION Gude Landfill  
 SAMPLING PERSONNEL A Scamie

DATE 7, 29, 20 TIME 1328 WEATHER 88°F Sunny

WELL DEPTH 6.96 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 97.56 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 26-76 ft bgs PUMP DEPTH 50 ft  
 PUMP START TIME 1328 min PUMP END TIME ~~1409~~ min  
 PUMP RATE 0.2 LPM SAMPLING TIME 1348  
 SAMPLING METHOD Low-flow

HISTORICAL DATA: WELL DEPTH 76 ft bgs, WATER DEPTH 6.45 ft PUMP DEPTH 51 ft bgs, PURGE DURATION 20 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/29/20	1328		6.22	536	14.2	173.1	6.2	2.37	6.55	0.2
	1333		5.76	554	17.0	207.7	6.5	1.66	6.56	0.2
	1338		5.74	562	17.7	213.6	4.4	1.61	6.56	0.2
	1343		5.74	571	18.4	213.8	3.4	1.55	6.56	0.2
	1348		5.75	574	18.5	216.4	2.7	1.56	6.56	0.2

METHANE READING (GEM) 0.005%

COMMENTS \_\_\_\_\_  
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## WELL PURGING AND SAMPLING RECORD

WELL ID OB08 SAMPLE ID. OB08

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Scamstel

DATE 7/28/20 TIME 1313 WEATHER 88°F Sunny


WELL DEPTH <u>7.05</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>82.12</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>59-109</u> ft bgs	PUMP DEPTH <u>70</u> ft
PUMP START TIME <u>1313</u> min	PUMP END TIME <u>1345</u> min
PUMP RATE <u>0.3</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1328</u>

HISTORICAL DATA: WELL DEPTH 109 ft bgs, WATER DEPTH 6.0 ft PUMP DEPTH 84 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/28/20	1313		6.26	621	17.3	80.5	12.8	1.64	7.01 <sup>c</sup>	0.3
	1318		6.03	656	17.9	63.5	8.8	0.68	7.01	0.3
	1323		6.03	648	18.1	60.6	8.1	0.63	7.02	0.3
	1328		6.04	623	17.2	55.7	7.7	0.59	7.02	0.3

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_  
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SIGNATURE 





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and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB08A SAMPLE ID. OB08A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szambrki

DATE 7/28/20 TIME 1400 WEATHER 80°F Sunny

WELL DEPTH <u>139.93</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>7.92</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>95-154</u> ft bgs	PUMP DEPTH <u>100</u> ft
PUMP START TIME <u>1400</u> min	PUMP END TIME <u>1426</u> min
PUMP RATE <u>0.5</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1415</u>

HISTORICAL DATA: WELL DEPTH 82.5 ft bgs, WATER DEPTH 6.3 ft PUMP DEPTH 65 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/28/20	1400		6.93	498.8	16.2	107.3	6.8	2.53	6.70	0.5
	1405		6.44	543	18.4	51.8	2.0	0.75	6.70	0.5
	1410		6.44	547	18.2	50.6	1.5	0.68	6.70	0.5
	1415		6.45	550	18.3	55.3	1.4	0.64	6.70	0.5

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE



EA Engineering, Science, and Technology, Inc.

### WELL PURGING AND SAMPLING RECORD

WELL ID OB10 SAMPLE ID. OB10

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A Szankle

DATE 8/3/20 TIME 1313 WEATHER 84°F Sunny

WELL DEPTH <u>70.3</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>2.01</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>27-67</u> ft bg	PUMP DEPTH <u>45</u> ft
PUMP START TIME <u>1313</u> min	PUMP END TIME _____ min
PUMP RATE <u>0.2</u> LPM	PURGE DURATION (HIST.) <u>35</u> min
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>1328</u>

HISTORICAL DATA: WELL DEPTH 67 ft bgs, WATER DEPTH 7.55 ft PUMP DEPTH 55 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>2</sup>	°C	mV	NTU	mg/L		LPM
8/3/20	1313		6.92	896	17.2	83.7	15.8	4.75	7.00	0.2
	1318		6.09	1016	18.4	48.5	5.0	1.15	7.10	0.2
	1323		6.08	1058	19.5	36.7	4.9	0.88	7.10	0.2
	1328		6.08	1064	19.4	33.3	4.8	0.76	7.10	0.2

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

\_\_\_\_\_

SIGNATURE A Szankle

## WELL PURGING AND SAMPLING RECORD

WELL ID OB11 SAMPLE ID. OB11, OB50  
 WELL/SITE DESCRIPTION Gude Landfill  
 SAMPLING PERSONNEL A. Szarniak

DATE 7, 30, 20 TIME 1023 WEATHER 80°F Sunny

WELL DEPTH 103.11 ft CASING HEIGHT 3 ft  
 WATER DEPTH 8.76 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 40-90 ft bgs PUMP DEPTH 60 ft  
 PUMP START TIME 1023 min PUMP END TIME 1104 min  
 PUMP RATE 0.2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1043

HISTORICAL DATA: WELL DEPTH 90 ft bgs, WATER DEPTH 9.4 ft PUMP DEPTH 65 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	μS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/30/20	1023		6.29	1566	17.3	198.0	8.6	1.44	8.91	0.2
	1028		5.79	1587	17.8	188.1	1.8	0.70	9.00	0.2
	1033		5.74	1600	18.1	186.0	0.9	0.60	9.00	0.2
	1038		5.73	1600	18.0	178.9	0.5	0.57	9.01	0.2
✓	1043		5.73	1614	18.2	179.4	0.5	0.53	9.01	0.2

DUPLICATE SAMPLE ID: **OB50**  
 METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE 



EA Engineering, Science, and Technology, Inc.

### WELL PURGING AND SAMPLING RECORD

WELL ID OB11A SAMPLE ID. OB11A

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szarnik

DATE 7/30/20 TIME 0943 WEATHER 80°F Sunny

WELL DEPTH 66.03 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 8.66 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 24-64 ft bgs PUMP DEPTH 35 ft  
 PUMP START TIME 0943 min PUMP END TIME 1015 min  
 PUMP RATE 0.2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 0958

HISTORICAL DATA: WELL DEPTH 64 ft bgs, WATER DEPTH 9.1 ft PUMP DEPTH 45 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/30/20	0943		6.03	1781	18.4	126.7	5.6	1.66	8.93	0.2
	↓ 0948		5.49	1775	18.2	131.7	0.0	0.66	8.94	0.2
	↓ 0953		5.50	1777	18.7	133.4	-0.5	0.58	8.96	0.2
	↓ 0958		5.50	1773	18.6	129.3	-0.5	0.54	8.96	0.2

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE A. Szarnik



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB12 SAMPLE ID. OB12

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szamski

DATE 8/3/20 TIME 0824 WEATHER 74°F Overcast

WELL DEPTH <u>28.8</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>18.3</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>16-26</u> ft bgs	PUMP DEPTH <u>23</u> ft
PUMP START TIME <u>0824</u> min	PUMP END TIME <u>0905</u> min
PUMP RATE <u>0.2</u> LPM	
SAMPLING METHOD <u>Low-flow</u>	SAMPLING TIME <u>0839</u>

HISTORICAL DATA: WELL DEPTH 26 ft bgs, WATER DEPTH 18.3 ft PUMP DEPTH 25 ft bgs, PURGE DURATION 40 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>2</sup>	°C	mV	NTU	mg/L		LPM
8/3/20	0824		7.21	549	15.6	-79.9	5.8	1.57	18.5	0.2
	0829		6.00	538	16.2	-70.8	3.1	0.70	18.5	0.2
	0834		5.99	543	17.1	-69.2	3.6	0.64	18.5	0.2
	0839		5.99	547	17.5	-67.3	2.9	0.59	18.5	0.2

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB015 SAMPLE ID. OB015  
 WELL/SITE DESCRIPTION Gude Landfill  
 SAMPLING PERSONNEL A. Szemski

DATE 8/3/20 TIME 0923 WEATHER 76°F Sunny

WELL DEPTH 27.2 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 22.3 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 18-28 ft bgs PUMP DEPTH 25 ft  
 PUMP START TIME 0923 min PUMP END TIME 1000 min  
 PUMP RATE 0.2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 0938

HISTORICAL DATA: WELL DEPTH 28 ft bgs, WATER DEPTH 27.1 ft PUMP DEPTH 25 ft bgs, PURGE DURATION 40 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
8/3/20	0923		6.37	276.7	16.8	99.4	25.2	1.52	27.3	0.2
	↓ 0928		5.74	275.1	18.9	118.0	49.4	1.00	22.5	0.2
	↓ 0933		5.73	278.1	18.9	121.2	49.6	1.05	22.8	0.2
	↓ 0938		5.73	281.1	18.9	118.0	48.2	1.10	22.9	0.2

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE

## WELL PURGING AND SAMPLING RECORD

WELL ID OB025 SAMPLE ID. OB025

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Scambreri

DATE 7/30/20 TIME 1113 WEATHER 87°F Sunny

WELL DEPTH <u>17.95</u> ft bgs	CASING HEIGHT <u>3</u> ft
WATER DEPTH <u>9.40</u> ft	WELL DIAMETER <u>2</u> in
SCREEN INTERVAL <u>5-15</u> ft bgs	PUMP DEPTH <u>12</u> ft
PUMP START TIME <u>1113</u> min	PUMP END TIME <u>1143</u> min
PUMP RATE <u>0.3</u> LPM	SAMPLING TIME <u>1128</u>
SAMPLING METHOD <u>Low-flow</u>	

HISTORICAL DATA: WELL DEPTH 15 ft bgs, WATER DEPTH 8.9 ft PUMP DEPTH 14 ft bgs, PURGE DURATION 40 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>2</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/30/20	1113		6.36	1100	18.5	113.1	35.5	1.54	9.85	0.3
	1118		6.00	1065	18.1	110.1	27.2	0.69	9.86	0.3
	1123		5.89	1067	18.2	114.1	29.1	0.70	9.56	0.3
	1128		5.89	1081	18.4	112.4	22.1	0.68	10.50	0.3

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_

SIGNATURE 



EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB102 SAMPLE ID. OB102  
 WELL/SITE DESCRIPTION Gude Landfill  
 SAMPLING PERSONNEL A. Szamiec

DATE 7/29/20 TIME 1500 WEATHER 80°F Sunny

WELL DEPTH 24.52 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 11.34 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 15-25 ft bgs PUMP DEPTH 15 ft  
 PUMP START TIME 1500 min PUMP END TIME 1548 min  
 PUMP RATE 0.2 LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1525

HISTORICAL DATA: WELL DEPTH 25 ft bgs, WATER DEPTH 10.50 ft PUMP DEPTH 20 ft bgs, PURGE DURATION 30 min

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water from TOC	Pump Rate
		Unit: Gal	--	µS/cm <sup>2</sup>	°C	mV	NTU	mg/L		LPM
7/29/20	1500		6.57	2784	16.2	70.5	1.7	1.18	11.52	0.2
	1505		6.40	2880	17.8	73.8	0.4	0.64	11.52	0.2
	1510		6.43	2902	18.1	67.1	0.3	0.61	11.55	0.2
	1515		6.47	2940	18.5	57.5	0.0	0.54	11.55	0.2
	1520		6.48	2947	18.6	51.9	0.0	0.54	11.55	0.2
	1525		6.48	2965	18.8	47.4	0.0	0.50	11.55	0.2

METHANE READING (GEM) 0.00%

COMMENTS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

SIGNATURE A. Szamiec





EA Engineering, Science,  
and Technology, Inc.

## WELL PURGING AND SAMPLING RECORD

WELL ID OB105 SAMPLE ID. OB105

WELL/SITE DESCRIPTION Gude Landfill

SAMPLING PERSONNEL A. Szanski

DATE 7/27/20 TIME 1321 WEATHER 90° Sunny

WELL DEPTH 3.6 16.8 ft bgs CASING HEIGHT 3 ft  
 WATER DEPTH 3.60 ft WELL DIAMETER 2 in  
 SCREEN INTERVAL 5-13 ft bgs PUMP DEPTH 10 ft  
 PUMP START TIME 1321 min PUMP END TIME \_\_\_\_\_ min  
 PUMP RATE \_\_\_\_\_ LPM  
 SAMPLING METHOD Low-flow SAMPLING TIME 1336

HISTORICAL DATA: WELL DEPTH 18 ft bgs, WATER DEPTH 3.0 ft PUMP DEPTH 12 ft bgs, PURGE DURATION 1.75 hrs

Date	Time	Volume Removed	pH	Cond.	Temp.	ORP	Turb.	DO	Depth to Water	Pump Rate
		Unit: Gal	--	µS/cm <sup>c</sup>	°C	mV	NTU	mg/L	from TOC	LPM
7/27/20	1321		6.45	2792	20.3	-73.6	28.3	0.70	3.8	0.2
	1326		6.45	2881	22.0	-12.3	29.4	0.50	3.8	0.2
	1331		6.46	2900	22.6	-19.9	32.0	0.48	3.8	0.2
	1336		6.46	2917	22.8	-17.4	34.5	0.43	3.8	0.2

METHANE READING (GEM) 0.00%  
 COMMENTS Needs to be checked

SIGNATURE

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**Appendix B**

**Chain-of-Custody Documents**

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Company Name: <b>EA</b>		Project Manager: <b>Laura Oakes</b>		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>		
Project Name: <b>Guide Landfill</b>		Project ID: <b>1556404</b>												Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com		
Sampler(s): <b>A. Szamski</b>		P.O. Number:												Matrix Codes: NW (non-potable water) PW (potable water)		
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Preservative: 1+1 HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
MW-13A	7/27/20	0838	X			11	X	X	X	X	X	X	X	HCl, H <sub>2</sub> SO <sub>4</sub> , HNO <sub>3</sub>		0072723-01
MW-13B	7/27/20	0931	X			11	X	X	X	X	X	X	X			-02
OB-30	7/27/20	0940	X			11	X	X	X	X	X	X	X			-03
ST-120	7/27/20	1035	X			11	X	X	X	X	X	X	X			-04
OB04A	7/27/20	1143	X			11	X	X	X	X	X	X	X			-05
OB04	7/27/20	1245	X			11	X	X	X	X	X	X	X			-06
OB05	7/27/20	1336	X			11	X	X	X	X	X	X	X			-07
TRIP BLANK	7/27/20	-														-08

\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1,2 Dibromoethane) by method 8011 in addition to method 8260.

Relinquished by: (Signature) 	Date/Time 7/27/20 1648	Received by: (Signature) 	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed) Andy Szamski		(Printed)	(Printed)		(Printed)
Relinquished by: (Signature)	Date/Time 7/27/20 16:21	Received by Lab: (Signature) 	Turn Around Time:	Lab Use:	Sample Disposal:
(Printed)		(Printed) Rachel Horner	<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	Temp: 100°C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate	
Delivery Method:	Special Instructions/QC Requirements & Comments:				
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____					

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Company Name: <b>EA</b>		Project Manager: <b>Laura Oakes</b>		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>			
Project Name: <b>Crude Landfill</b>		Project ID: <b>15564024</b>												Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com			
Sampler(s): <b>A. Szarnski</b>		P.O. Number:												Matrix Codes: NW (non-potable water) PW (potable water)			
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Preservative: 1-H1 HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID	
MW-22A	7/28/20	0937	X			11	X	X	X	X	X	X	X	HCl, H <sub>2</sub> SO <sub>4</sub> , HNO <sub>3</sub>		0072819-01	
MW-22B	7/28/20	1015	X			11	X	X	X	X	X	X	X	↓		-02	
MW-3B	7/28/20	1122	X			11	X	X	X	X	X	X	X				-03
MW-3A	7/28/20	1216	X			11	X	X	X	X	X	X	X				-04
OB68	7/28/20	1323	X			11	X	X	X	X	X	X	X				-05
OB68A	7/28/20	1415	X			11	X	X	X	X	X	X	X				-06
TRIP BLANK	7/28/20	-															-07

\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.

Relinquished by: (Signature) 	Date/Time 7/28/2020	Received by: (Signature) 	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed) Andy Szarnski	1620	(Printed)	(Printed)		(Printed)
Relinquished by: (Signature)	Date/Time 7/28/20	Received by Lab: (Signature) 	Turn Around Time:	Lab Use:	Sample Disposal:
(Printed)	16:24	(Printed) Rachel Horner	<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	Temp: 5.6°C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input checked="" type="checkbox"/> Preservation Appropriate	
Delivery Method: Courier Client UPS FedEx USPS Other: _____	Special Instructions/QC Requirements & Comments:				

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Company Name: <b>EA Engineering</b>		Project Manager: <b>Laura Oakes</b>		Analysis Requested										CHAIN-OF-CUSTODY RECORD		
Project Name: <b>Grude Landfill</b>		Project ID: <b>1556404</b>												Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com		
Sampler(s): <b>A. Sramski</b>		P.O. Number:												Matrix Codes: NW (non-potable water) PW (potable water)		
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Preservative: 1-HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
MW 24B	7/29/20	1101	X			11	X	X	X	X	X	X	X	HCl, H <sub>2</sub> SO <sub>4</sub> , HNO <sub>3</sub>		0072915-01
OB40	7/29/20	1115	X			11	X	X	X	X	X	X	X			-02
MW 24A	7/29/20	1141	X			11	X	X	X	X	X	X	X			-03
ST-068	7/29/20	1215	X			11	X	X	X	X	X	X	X			-04
OB07	7/29/20	1316	X			11	X	X	X	X	X	X	X			-05
OB07A	7/29/20	1348	X			11	X	X	X	X	X	X	X			-06
OB06	7/29/20	1436	X			11	X	X	X	X	X	X	X			-07
OB16Z	7/29/20	1525	X			11	X	X	X	X	X	X	X			-08
TRIP BLANK	7/29/20	-														-09
* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.																
Relinquished by: (Signature) <b>A. Sramski</b>		Date/Time 7/29/20		Received by: (Signature) <b>Rachel Horner</b>			Relinquished by: (Signature)			Date/Time		Received by: (Signature)				
(Printed) Andy Sramski		16:48		(Printed) Rachel Horner			(Printed)					(Printed)				
Relinquished by: (Signature)		Date/Time 7/29/20		Received by Lab: (Signature) <b>Rachel Horner</b>			Turn Around Time:			Lab Use:						
(Printed)		16:49		(Printed) Rachel Horner			<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____			Temp: <b>13.0</b> °C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate						
Delivery Method:		Special Instructions/QC Requirements & Comments:			Sample Disposal:											
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____					<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days											

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Company Name: <i>EA Engineering</i>		Project Manager: <i>Carva Oates</i>		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>					
Project Name: <i>Grude LF</i>		Project ID: <i>15560404</i>		Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com										Matrix Codes: NW (non-potable water) PW (potable water)					
Sampler(s): <i>A. Seamski</i>		P.O. Number:												8260LL VOC and 8011* 6020 MDE Landfill List Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity Turbidity, pH Suspended Solids COD Ammonia-Nitrogen					
Field Sample ID		Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD						
<i>MW-1B</i>		<i>7/30/20</i>	<i>0900</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>HCl, H<sub>2</sub>SO<sub>4</sub>, NaHCO<sub>3</sub></i>			<i>0073021-01</i>	
<i>OB-11A</i>			<i>0958</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.			<i>-02</i>	
<i>OB-11</i>			<i>1043</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>				<i>-03</i>	
<i>OB028</i>			<i>1120</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>				<i>-04</i>	
<i>MW-21B</i>			<i>1247</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>				<i>-05</i>	
<i>MW-21A</i>			<i>1345</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>				<i>-06</i>	
<i>MW-2B</i>			<i>1500</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>				<i>-07</i>	
<i>OB50</i>			<i>1215</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>				<i>-08</i>	
<i>MW-2A</i>		<i>✓</i>	<i>1542</i>	<i>X</i>			<i>11</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>				<i>-09</i>	
* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.																			
Relinquished by: (Signature) <i>[Signature]</i>		Date/Time <i>7/30/20</i>		Received by: (Signature) <i>[Signature]</i>				Relinquished by: (Signature) <i>[Signature]</i>				Date/Time <i>16:55</i>		Received by: (Signature) <i>[Signature]</i>					
(Printed) <i>Andy Seamski</i>		<i>16:55</i>		(Printed)				(Printed)						(Printed)					
Relinquished by: (Signature) <i>[Signature]</i>		Date/Time <i>7/30/20</i>		Received by Lab: (Signature) <i>[Signature]</i>				Turn Around Time:				Lab Use:							
(Printed)		<i>16:55</i>		(Printed) <i>Rachel Horner</i>				<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: <i>10.1</i> °C <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate							
Delivery Method:		Special Instructions/QC Requirements & Comments:																	
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____																			



2/2

Company Name: <b>EA Engineering</b>		Project Manager: <b>Laura Oakes</b>		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>														
Project Name: <b>Grude LF</b>		Project ID: <b>15564004</b>		8260LL VOC and 8011* 6020 MDE Landfill List Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity Turbidity, pH Suspended Solids COD Ammonia-Nitrogen										Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com														
Sampler(s): <b>A. Szanski</b>		P.O. Number:												Matrix Codes: NW (non-potable water) PW (potable water)														
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	Preservative: 1 +1 HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID																			
<b>TRIP BLANK</b>	<b>7/30/20</b>	<b>-</b>																										
													Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.															
* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.																												
Relinquished by: (Signature) 		Date/Time <b>7/30/20</b>		Received by: (Signature) 			Relinquished by: (Signature) 			Date/Time <b>16:55</b>		Received by: (Signature) 																
(Printed) <b>Andy Szanski</b>				(Printed) <b>Rachel Homer</b>			(Printed)			(Printed)		(Printed)																
Relinquished by: (Signature) 		Date/Time <b>7/30/20</b>		Received by Lab: (Signature) 			Turn Around Time:			Lab Use:																		
(Printed)		<b>16:55</b>		(Printed) <b>Rachel Homer</b>			<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____			Temp: <b>10</b> °C <input type="checkbox"/> Received on Ice <input type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate																		
Delivery Method:		Special Instructions/QC Requirements & Comments:																										
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____																												
		Sample Disposal:																										
		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days																										

1/2

Company Name: <b>EA Engineering</b>		Project Manager: <b>Gawra Oates</b>		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>		
Project Name: <b>Cude Landfill</b>		Project ID: <b>1556404</b>												Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com		
Sampler(s): <b>A. Scamski</b>		P.O. Number:												Matrix Codes: NW (non-potable water) PW (potable water)		
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Preservative: 1-HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
OB12	8/3/20	0839	X			11	X	X	X	X	X	X	X	H <sub>2</sub> SO <sub>4</sub> , HCl, HNO <sub>3</sub>		0080306-01
ST015		0900	X			11	X	X	X	X	X	X	X			-02
OB015		0938	X			11	X	X	X	X	X	X	X			-03
MW-23A		1046	X			11	X	X	X	X	X	X	X			-04
MW-23B		1150	X			11	X	X	X	X	X	X	X			-05
MW-4		1158	X			11	X	X	X	X	X	X	X			-06
ST70		1300	X			11	X	X	X	X	X	X	X			-07
OB10		1328	X			11	X	X	X	X	X	X	X			-08
ST80	✓	1400	X			11	X	X	X	X	X	X	X			-09

\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.

Relinquished by: (Signature) <b>[Signature]</b>	Date/Time <b>8/3/20</b>	Received by: (Signature) <b>[Signature]</b>	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed) <b>Andy Scamski</b>	<b>16:41</b>	(Printed)	(Printed)		(Printed)
Relinquished by: (Signature)	Date/Time	Received by Lab: (Signature)	Turn Around Time:	Lab Use:	
(Printed)	<b>8/3/20</b>	<b>[Signature]</b>	<input checked="" type="checkbox"/> Normal (7 day)	Temp: <b>16.4°C</b>	
	<b>16:42</b>	<b>Rachel Horne</b>	<input type="checkbox"/> 5 day	<input checked="" type="checkbox"/> Received on Ice	
			<input type="checkbox"/> 4 day	<input type="checkbox"/> Received same day	
			<input type="checkbox"/> 3 day	<input type="checkbox"/> Preservation Appropriate	
			<input type="checkbox"/> Rush (2 day)	Sample Disposal:	
			<input type="checkbox"/> Next Day	<input type="checkbox"/> Return to Client	
			<input type="checkbox"/> Other: _____	<input type="checkbox"/> Disposal by lab	
			<input type="checkbox"/> Specific Due Date: _____	<input type="checkbox"/> Archive for _____ days	
Delivery Method:	Special Instructions/QC Requirements & Comments:				
<input type="checkbox"/> Courier					
<input type="checkbox"/> Client					
<input type="checkbox"/> UPS					
<input type="checkbox"/> FedEx					
<input type="checkbox"/> USPS					
<input type="checkbox"/> Other: _____					

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Company Name: <i>EA Engineering</i>		Project Manager: <i>Laura Oakes</i>		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>					
Project Name: <i>Gude LF</i>		Project ID: <i>1556404</i>		8260LL VOC and 8011* 6020 MDE Landfill List Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity Turbidity, pH Suspended Solids COD Ammonia-Nitrogen										Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com					
Sampler(s): <i>A. Scansley</i>		P.O. Number:												Matrix Codes: NW (non-potable water) PW (potable water)					
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	Preservative: 1 +1 HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID										
<i>MW-16B</i>	<i>8/3/20</i>	<i>1450</i>	<input checked="" type="checkbox"/>			<i>11</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>H<sub>2</sub>SO<sub>4</sub>, HCl, HNO<sub>3</sub></i>	<i>0080306-10</i>				
<i>MW-16A</i>	<i>↓</i>	<i>1530</i>	<input checked="" type="checkbox"/>			<i>11</i>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<i>↓</i>	<i>-11</i>				
<i>TRIP BLANK</i>	<i>↓</i>	<i>-</i>													<i>-12</i>				
* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.																			
Relinquished by: (Signature) <i>[Signature]</i>		Date/Time <i>8/3/20</i>		Received by: (Signature) <i>[Signature]</i>				Relinquished by: (Signature) <i>[Signature]</i>				Date/Time		Received by: (Signature) <i>[Signature]</i>					
(Printed) <i>Andrey Scansky</i>		<i>1641</i>		(Printed)				(Printed)						(Printed)					
Relinquished by: (Signature) <i>[Signature]</i>		Date/Time <i>8/3/20</i>		Received by Lab: (Signature) <i>[Signature]</i>				Turn Around Time:				Lab Use:							
(Printed)		<i>16:42</i>		(Printed) <i>Rachel Horne</i>				<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				<input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate							
Delivery Method:		Special Instructions/QC Requirements & Comments:										Sample Disposal:							
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____												<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days							

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

1/2

Company Name: <b>EA Engineering</b>		Project Manager: <b>Laura Oates</b>		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>									
Project Name: <b>Eude Landfill</b>		Project ID: <b>1556404</b>		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">8260LL VOC and 8011*</td> <td style="width:10%;">6020 MDE Landfill List</td> <td style="width:10%;">Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity</td> <td style="width:10%;">Turbidity, pH</td> <td style="width:10%;">Suspended Solids</td> <td style="width:10%;">COD</td> <td style="width:10%;">Ammonia-Nitrogen</td> </tr> </table>										8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com		
8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH											Suspended Solids	COD	Ammonia-Nitrogen							
Sampler(s): <b>A. Szanski</b>		P.O. Number:		Matrix Codes: NW (non-potable water) PW (potable water)			Preservative: 1 +1 HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>			Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank			MSS Lab ID										
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers																	
OB03	8/5/20	0822	X			11	X	X	X	X	X	X	X	X	X	X	X	X	080524-01				
OB03A		0855	X			11	X	X	X	X	X	X	X	X	X	X	X	X	-02				
MW-8		0937	X			11	X	X	X	X	X	X	X	X	X	X	X	X	-03				
MW-7		1017	X			11	X	X	X	X	X	X	X	X	X	X	X	X	-04				
OB02A		1109	X			11	X	X	X	X	X	X	X	X	X	X	X	X	-05				
OB02		1140	X			11	X	X	X	X	X	X	X	X	X	X	X	X	-06				
MW-19B		1238	X			11	X	X	X	X	X	X	X	X	X	X	X	X	-07				
MW-19A		1322	X			11	X	X	X	X	X	X	X	X	X	X	X	X	-08				
MW-6		1428	X			11	X	X	X	X	X	X	X	X	X	X	X	X	-09				

\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.

Relinquished by: (Signature) 	Date/Time 8/5/20	Received by: (Signature) 	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
(Printed) Andy Szanski	1640	(Printed)	(Printed)		(Printed)
Relinquished by: (Signature)	Date/Time 8/5/20	Received by Lab: (Signature) 	Turn Around Time:		Lab Use:
(Printed)	1643	(Printed) Rachel Homer	<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____		Temp: 37 °C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate
Delivery Method:	Special Instructions/QC Requirements & Comments:		Sample Disposal:		
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____			<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days		

Report revised to correct chloride result in sample 080524-10. Original report ID 08 20 20 1742.

Company Name: <b>EA Engineering</b>		Project Manager: <b>Laura Oakes</b>		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>  Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com															
Project Name: <b>Grude Landfill</b>		Project ID: <b>15510404</b>																											
Sampler(s): <b>A. Szanski</b>		P.O. Number:																											
Field Sample ID		Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Matrix Codes: NW (non-potable water) PW (potable water)		Preservative: 1 +1 HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>		Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank		MSS Lab ID								
0801		8/5/20	1513	X											1	X	X	X	X	X	X	X	HCl, H <sub>2</sub> SO <sub>4</sub> , HNO <sub>3</sub>			0080524-10			
TRIP BLANK		8/5/20	-																									-11	
* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.																													
Relinquished by: (Signature)		Date/Time		Received by: (Signature)				Relinquished by: (Signature)				Date/Time		Received by: (Signature)															
		8/5/20										1640																	
(Printed)				(Printed)				(Printed)						(Printed)															
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)				Turn Around Time:				Lab Use:																	
		8/5/20						<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____				Temp: 3.7 °C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate																	
(Printed)		16:43		(Printed)								Sample Disposal:																	
Delivery Method:		Special Instructions/QC Requirements & Comments:																											
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____																													

Report revised to correct chloride result in Sample 0080524-10. Original Report ID 08 20 20 1742.

Company Name: <b>EA Engineering</b>		Project Manager: <b>Laura Cakes</b>		Analysis Requested										<b>CHAIN-OF-CUSTODY RECORD</b>		
Project Name: <b>Grade LF</b>		Project ID: <b>1556404</b>												Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com		
Sampler(s): <b>A. Szanski</b>		P.O. Number:												Matrix Codes: NW (non-potable water) PW (potable water)		
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Preservative: 1+1 HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID
MW-11B	8/6/20	0913	X			11	X	X	X	X	X	X	X	HCl, H <sub>2</sub> SO <sub>4</sub> , HNO <sub>3</sub>		0080617-01
MW-11A		0950	X			11	X	X	X	X	X	X	X			-02
MW-10		1053	X			11	X	X	X	X	X	X	X			-03
MW-14B		142	X			11	X	X	X	X	X	X	X			-04
MW-14A		1220	X			11	X	X	X	X	X	X	X			-05
MW-15		1316	X			11	X	X	X	X	X	X	X			-06
MW-9		1406	X			11	X	X	X	X	X	X	X			-07
MW-12		1502	X			11	X	X	X	X	X	X	X			-08
TRIP BLANK	✓	-														-09
* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.																
Relinquished by: (Signature) <i>Andy Szanski</i>		Date/Time 8/6/20		Received by: (Signature)			Relinquished by: (Signature)			Date/Time		Received by: (Signature)				
(Printed) Andy Szanski		16:05		(Printed)			(Printed)					(Printed)				
Relinquished by: (Signature)		Date/Time		Received by Lab: (Signature)			Turn Around Time:			Lab Use:						
(Printed)		8/6/20		Rachel Horner			<input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____			Temp: 6.0°C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate						
Delivery Method:		Special Instructions/QC Requirements & Comments:										Sample Disposal:				
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other: _____												<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days				

Report revised to correct chloride result in sample 0080524-10. Original Report ID 08 20 20 1742.

**Appendix C**  
**Laboratory Reports**

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27 August 2020

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Laura Oakes  
EA Engineering  
225 Schilling Circle, STE 400  
Hunt Valley, MD 21031  
RE: GUDE LANDFILL

Enclosed are the results of analyses for samples received by the laboratory on 07/27/20 16:21-08/06/20 16:05.

Please visit our website at [www.mdspectral.com](http://www.mdspectral.com) for a complete listing of our accreditations.

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

Sincerely,



Cory Koons  
Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-13A		0072723-01	Nonpotable Water	07/27/20 08:38	07/27/20 16:21
MW-13B		0072723-02	Nonpotable Water	07/27/20 09:31	07/27/20 16:21
OB-30		0072723-03	Nonpotable Water	07/27/20 09:40	07/27/20 16:21
ST-120		0072723-04	Nonpotable Water	07/27/20 10:35	07/27/20 16:21
OB04A		0072723-05	Nonpotable Water	07/27/20 11:43	07/27/20 16:21
OB04		0072723-06	Nonpotable Water	07/27/20 12:45	07/27/20 16:21
OB105		0072723-07	Nonpotable Water	07/27/20 12:45	07/27/20 16:21
TRIP BLANK		0072723-08	Nonpotable Water	07/27/20 16:21	07/27/20 16:21
MW-22A		0072819-01	Nonpotable Water	07/28/20 09:37	07/28/20 16:24
MW-22B		0072819-02	Nonpotable Water	07/28/20 10:15	07/28/20 16:24
MW-3B		0072819-03	Nonpotable Water	07/28/20 11:22	07/28/20 16:24
MW-3A		0072819-04	Nonpotable Water	07/28/20 12:16	07/28/20 16:24
OB08		0072819-05	Nonpotable Water	07/28/20 13:28	07/28/20 16:24
OB08A		0072819-06	Nonpotable Water	07/28/20 14:15	07/28/20 16:24
TRIP BLANK		0072819-07	Nonpotable Water	07/28/20 16:24	07/28/20 16:24
MW24B		0072915-01	Nonpotable Water	07/29/20 11:01	07/29/20 16:49
OB40		0072915-02	Nonpotable Water	07/29/20 11:15	07/29/20 16:49
MW24A		0072915-03	Nonpotable Water	07/29/20 11:41	07/29/20 16:49
ST-065		0072915-04	Nonpotable Water	07/29/20 12:15	07/29/20 16:49
OB07		0072915-05	Nonpotable Water	07/29/20 13:16	07/29/20 16:49
OB07A		0072915-06	Nonpotable Water	07/29/20 13:48	07/29/20 16:49
OB06		0072915-07	Nonpotable Water	07/29/20 14:36	07/29/20 16:49
OB102		0072915-08	Nonpotable Water	07/29/20 15:25	07/29/20 16:49
TRIP BLANK		0072915-09	Nonpotable Water	07/29/20 00:00	07/29/20 16:49
MW-1B		0073021-01	Nonpotable Water	07/30/20 09:00	07/30/20 16:55



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
 Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
 Reported:

08/27/20 14:36

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OB-11A		0073021-02	Nonpotable Water	07/30/20 09:58	07/30/20 16:55
OB-11		0073021-03	Nonpotable Water	07/30/20 10:43	07/30/20 16:55
OB025		0073021-04	Nonpotable Water	07/30/20 11:20	07/30/20 16:55
MW-21B		0073021-05	Nonpotable Water	07/30/20 12:47	07/30/20 16:55
MW-21A		0073021-06	Nonpotable Water	07/30/20 13:45	07/30/20 16:55
MW-2B		0073021-07	Nonpotable Water	07/30/20 15:00	07/30/20 16:55
OB50		0073021-08	Nonpotable Water	07/30/20 11:15	07/30/20 16:55
MW-2A		0073021-09	Nonpotable Water	07/30/20 15:42	07/30/20 16:55
TRIP BLANK		0073021-10	Nonpotable Water	07/30/20 00:00	07/30/20 16:55
OB12		0080306-01	Nonpotable Water	08/03/20 08:39	08/03/20 16:42
ST015		0080306-02	Nonpotable Water	08/03/20 09:00	08/03/20 16:42
OB015		0080306-03	Nonpotable Water	08/03/20 09:38	08/03/20 16:42
MW-23A		0080306-04	Nonpotable Water	08/03/20 10:46	08/03/20 16:42
MW-23B		0080306-05	Nonpotable Water	08/03/20 11:50	08/03/20 16:42
MW-4		0080306-06	Nonpotable Water	08/03/20 11:58	08/03/20 16:42
ST70		0080306-07	Nonpotable Water	08/03/20 13:00	08/03/20 16:42
OB10		0080306-08	Nonpotable Water	08/03/20 13:28	08/03/20 16:42
ST80		0080306-09	Nonpotable Water	08/03/20 14:00	08/03/20 16:42
MW-16B		0080306-10	Nonpotable Water	08/03/20 14:50	08/03/20 16:42
MW-16A		0080306-11	Nonpotable Water	08/03/20 15:30	08/03/20 16:42
TRIP BLANK		0080306-12	Nonpotable Water	08/03/20 00:00	08/03/20 16:42
OB03		0080524-01	Nonpotable Water	08/05/20 08:22	08/05/20 16:43
OB03A		0080524-02	Nonpotable Water	08/05/20 08:55	08/05/20 16:43
MW-8		0080524-03	Nonpotable Water	08/05/20 09:37	08/05/20 16:43
MW-7		0080524-04	Nonpotable Water	08/05/20 10:17	08/05/20 16:43
OBO2A		0080524-05	Nonpotable Water	08/05/20 11:09	08/05/20 16:43



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Cory Koons, Laboratory Manager

1500 Caton Center Dr Suite G  
Baltimore MD 21227  
410-247-7600  
www.mdspectral.com  
MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

Client Sample ID	Alternate Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
OBO2		0080524-06	Nonpotable Water	08/05/20 11:40	08/05/20 16:43
MW-19B		0080524-07	Nonpotable Water	08/05/20 12:38	08/05/20 16:43
MW-19A		0080524-08	Nonpotable Water	08/05/20 13:22	08/05/20 16:43
MW-6		0080524-09	Nonpotable Water	08/05/20 14:28	08/05/20 16:43
OB01		0080524-10	Nonpotable Water	08/05/20 15:13	08/05/20 16:43
TRIP BLANK		0080524-11	Nonpotable Water	08/05/20 00:00	08/05/20 16:43
MW-11B		0080617-01	Nonpotable Water	08/06/20 09:13	08/06/20 16:05
MW-11A		0080617-02	Nonpotable Water	08/06/20 09:50	08/06/20 16:05
MW-10		0080617-03	Nonpotable Water	08/06/20 10:53	08/06/20 16:05
MW-14B		0080617-04	Nonpotable Water	08/06/20 11:42	08/06/20 16:05
MW-14A		0080617-05	Nonpotable Water	08/06/20 12:20	08/06/20 16:05
MW-15		0080617-06	Nonpotable Water	08/06/20 13:16	08/06/20 16:05
MW-9		0080617-07	Nonpotable Water	08/06/20 14:06	08/06/20 16:05
MW-12		0080617-08	Nonpotable Water	08/06/20 15:02	08/06/20 16:05
TRIP BLANK		0080617-09	Nonpotable Water	08/06/20 00:00	08/06/20 16:05



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Cory Koons, Laboratory Manager

1500 Caton Center Dr Suite G  
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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-13A**

**0072723-01 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.84</b>		pH Units			1	07/27/20	07/27/20 18:51	RH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>10.2</b>		NTU	0.500	0.110	1	07/28/20	07/28/20 18:13	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:31	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:31	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Benzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:31	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
<b>Chloroform</b>	<b>7.5</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
<b>1,4-Dichlorobenzene</b>	<b>2.1</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
<b>1,1-Dichloroethane</b>	<b>8.5</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
<b>1,2-Dichloroethane</b>	<b>1.4</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
<b>cis-1,2-Dichloroethene</b>	<b>55.5</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
<b>trans-1,2-Dichloroethene</b>	<b>1.5</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
<b>1,2-Dichloropropane</b>	<b>3.8</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-13A**

**0072723-01 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:31	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:31	GM
Isobutanol	ND		ug/L	100	100	1	07/28/20	07/28/20 14:31	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:31	GM
<b>Methylene chloride</b>	<b>1.8</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:31	GM
Styrene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
<b>Tetrachloroethene</b>	<b>8.1</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Toluene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
<b>Trichloroethene</b>	<b>11.9</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
<b>Vinyl chloride</b>	<b>2.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:31	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	101 %	07/28/20		07/28/20 14:31		
Surrogate: Toluene-d8			75-120	93 %	07/28/20		07/28/20 14:31		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	07/28/20		07/28/20 14:31		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-13A**

**0072723-01 (Nonpotable Water)  
Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/30/20	07/30/20 18:37	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 18:37	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>131000</b>		ug/L	500	500	1	07/28/20	07/28/20 16:44	KD
Antimony	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
<b>Barium</b>	<b>177</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
<b>Calcium</b>	<b>20900</b>	QB-01, B	ug/L	80.0	80.0	1	07/28/20	07/28/20 16:44	KD
<b>Chromium</b>	<b>3.24</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
<b>Cobalt</b>	<b>17.2</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
<b>Copper</b>	<b>3.74</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
<b>Iron</b>	<b>913</b>		ug/L	100	5.00	1	07/28/20	07/28/20 16:44	KD
Lead	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
<b>Magnesium</b>	<b>19000</b>		ug/L	100	100	1	07/28/20	07/28/20 16:44	KD
<b>Manganese</b>	<b>603</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
<b>Mercury</b>	<b>0.107</b>		ug/L	0.100	0.100	1	07/28/20	07/28/20 16:44	KD
<b>Nickel</b>	<b>10.7</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
<b>Potassium</b>	<b>2590</b>		ug/L	100	100	1	07/28/20	07/28/20 16:44	KD
Selenium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
Silver	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
<b>Sodium</b>	<b>14400</b>		ug/L	100	100	1	07/28/20	07/28/20 16:44	KD
Thallium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
<b>Vanadium</b>	<b>1.96</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:44	KD
<b>Zinc</b>	<b>13.2</b>		ug/L	4.00	4.00	1	07/28/20	07/28/20 16:44	KD



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-13A**

**0072723-01 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	12.7		mg/L	3.0	3.0	1	07/28/20	07/28/20 14:56	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	395		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	65.2		mg/L	7.6	7.6	1	07/28/20	07/29/20 10:14	CWK
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	268		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.11		mg/L	0.10	0.05	1	07/29/20	07/29/20 11:46	FRD
Chloride	86.0		mg/L	2.5	2.5	5	07/28/20	07/29/20 11:43	SES
Nitrate (as N)	1.92		mg/L	0.20	0.10	1	07/28/20	07/28/20 15:50	SES
Sulfate	1.64		mg/L	1.00	0.50	1	07/28/20	07/28/20 15:50	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	17.9		mg/L	1.0	1.0	1	07/28/20	07/28/20 13:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-13B**

**0072723-02 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.11		pH Units			1	07/27/20	07/27/20 18:51	RH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	ND		NTU	0.500	0.110	1	07/28/20	07/28/20 18:14	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:57	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:57	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
<b>Benzene</b>	<b>1.6</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:57	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
<b>Chlorobenzene</b>	<b>1.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
<b>1,4-Dichlorobenzene</b>	<b>6.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
<b>1,1-Dichloroethane</b>	<b>8.2</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
<b>1,2-Dichloroethane</b>	<b>1.6</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
cis-1,2-Dichloroethene	<b>58.7</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
trans-1,2-Dichloroethene	<b>2.2</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
<b>1,2-Dichloropropane</b>	<b>4.9</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-13B**

**0072723-02 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:57	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:57	GM
Isobutanol	ND		ug/L	100	100	1	07/28/20	07/28/20 14:57	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:57	GM
<b>Methylene chloride</b>	<b>2.7</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 14:57	GM
Styrene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
<b>Tetrachloroethene</b>	<b>11.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Toluene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
<b>Trichloroethene</b>	<b>12.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
<b>Vinyl chloride</b>	<b>5.2</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 14:57	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	100 %	07/28/20		07/28/20 14:57		
Surrogate: Toluene-d8			75-120	93 %	07/28/20		07/28/20 14:57		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	07/28/20		07/28/20 14:57		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-13B**

**0072723-02 (Nonpotable Water)  
Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/30/20	07/30/20 19:02	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 19:02	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>305000</b>		ug/L	500	500	1	07/28/20	07/28/20 16:46	KD
Antimony	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
<b>Barium</b>	<b>69.5</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
<b>Calcium</b>	<b>69900</b>	QB-01, B	ug/L	80.0	80.0	1	07/28/20	07/28/20 16:46	KD
Chromium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
Cobalt	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
Copper	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
<b>Iron</b>	<b>10.9</b>	J	ug/L	100	5.00	1	07/28/20	07/28/20 16:46	KD
Lead	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
<b>Magnesium</b>	<b>31700</b>		ug/L	100	100	1	07/28/20	07/28/20 16:46	KD
<b>Manganese</b>	<b>28.8</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
<b>Mercury</b>	<b>0.232</b>		ug/L	0.100	0.100	1	07/28/20	07/28/20 16:46	KD
<b>Nickel</b>	<b>2.33</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
<b>Potassium</b>	<b>3450</b>		ug/L	100	100	1	07/28/20	07/28/20 16:46	KD
Selenium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
Silver	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
<b>Sodium</b>	<b>19100</b>		ug/L	100	100	1	07/28/20	07/28/20 16:46	KD
Thallium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:46	KD
Zinc	ND		ug/L	4.00	4.00	1	07/28/20	07/28/20 16:46	KD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
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**MW-13B**

**0072723-02 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	7.1		mg/L	3.0	3.0	1	07/28/20	07/28/20 14:56	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	772		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	ND		mg/L	2.3	2.3	1	07/28/20	07/29/20 10:14	CWK
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	481		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	07/29/20	07/29/20 11:52	FRD
Chloride	99.0		mg/L	2.5	2.5	5	07/28/20	07/29/20 12:33	SES
Nitrate (as N)	4.57		mg/L	0.20	0.10	1	07/28/20	07/28/20 16:41	SES
Sulfate	14.9		mg/L	1.00	0.50	1	07/28/20	07/28/20 16:41	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	189		mg/L	1.0	1.0	1	07/28/20	07/28/20 13:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**OB-30**

**0072723-03 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.10		pH Units			1	07/27/20	07/27/20 18:51	RH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	ND		NTU	0.500	0.110	1	07/28/20	07/28/20 18:15	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:22	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:22	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
<b>Benzene</b>	<b>1.7</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:22	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
<b>Chlorobenzene</b>	<b>1.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
<b>1,4-Dichlorobenzene</b>	<b>6.5</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
<b>1,1-Dichloroethane</b>	<b>8.5</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
<b>1,2-Dichloroethane</b>	<b>1.6</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
cis-1,2-Dichloroethene	<b>61.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
trans-1,2-Dichloroethene	<b>2.0</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
<b>1,2-Dichloropropane</b>	<b>5.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB-30**

**0072723-03 (Nonpotable Water)  
Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:22	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:22	GM
Isobutanol	ND		ug/L	100	100	1	07/28/20	07/28/20 15:22	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:22	GM
<b>Methylene chloride</b>	<b>2.8</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:22	GM
Styrene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
<b>Tetrachloroethene</b>	<b>11.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Toluene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
<b>Trichloroethene</b>	<b>12.1</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
<b>Vinyl chloride</b>	<b>5.0</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:22	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	101 %			07/28/20	07/28/20 15:22	
Surrogate: Toluene-d8			75-120	93 %			07/28/20	07/28/20 15:22	
Surrogate: 4-Bromofluorobenzene			75-120	98 %			07/28/20	07/28/20 15:22	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB-30**

**0072723-03 (Nonpotable Water)  
Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/30/20	07/30/20 19:27	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 19:27	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>304000</b>		ug/L	500	500	1	07/28/20	07/28/20 16:48	KD
Antimony	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
<b>Barium</b>	<b>69.0</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
<b>Calcium</b>	<b>69400</b>	QB-01, B	ug/L	80.0	80.0	1	07/28/20	07/28/20 16:48	KD
Chromium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
Cobalt	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
Copper	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
<b>Iron</b>	<b>17.4</b>	J	ug/L	100	5.00	1	07/28/20	07/28/20 16:48	KD
Lead	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
<b>Magnesium</b>	<b>31800</b>		ug/L	100	100	1	07/28/20	07/28/20 16:48	KD
<b>Manganese</b>	<b>29.7</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
<b>Mercury</b>	<b>0.264</b>		ug/L	0.100	0.100	1	07/28/20	07/28/20 16:48	KD
<b>Nickel</b>	<b>2.55</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
<b>Potassium</b>	<b>3420</b>		ug/L	100	100	1	07/28/20	07/28/20 16:48	KD
Selenium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
Silver	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
<b>Sodium</b>	<b>19000</b>		ug/L	100	100	1	07/28/20	07/28/20 16:48	KD
Thallium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:48	KD
Zinc	ND		ug/L	4.00	4.00	1	07/28/20	07/28/20 16:48	KD



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB-30**

**0072723-03 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	11.1		mg/L	3.0	3.0	1	07/28/20	07/28/20 14:57	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	770		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	ND		mg/L	4.7	4.7	1	07/28/20	07/29/20 10:14	CWK
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	483		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	07/29/20	07/29/20 11:54	FRD
Chloride	95.2		mg/L	2.5	2.5	5	07/28/20	07/29/20 12:50	SES
Nitrate (as N)	4.53		mg/L	0.20	0.10	1	07/28/20	07/28/20 16:57	SES
Sulfate	14.8		mg/L	1.00	0.50	1	07/28/20	07/28/20 16:57	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	188		mg/L	1.0	1.0	1	07/28/20	07/28/20 13:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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08/27/20 14:36

**ST-120**

**0072723-04 (Nonpotable Water)  
Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.92		pH Units			1	07/27/20	07/27/20 18:51	RH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	1.12		NTU	0.500	0.110	1	07/28/20	07/28/20 18:16	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:48	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:48	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Benzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:48	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST-120**

**0072723-04 (Nonpotable Water)  
Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:48	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:48	GM
Isobutanol	ND		ug/L	100	100	1	07/28/20	07/28/20 15:48	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:48	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 15:48	GM
Styrene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Toluene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 15:48	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	100 %	07/28/20		07/28/20 15:48		
Surrogate: Toluene-d8			75-120	92 %	07/28/20		07/28/20 15:48		
Surrogate: 4-Bromofluorobenzene			75-120	95 %	07/28/20		07/28/20 15:48		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST-120**

**0072723-04 (Nonpotable Water)  
Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/30/20	07/30/20 19:53	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 19:53	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>139000</b>		ug/L	500	500	1	07/28/20	07/28/20 16:51	KD
Antimony	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
<b>Barium</b>	<b>54.9</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
<b>Calcium</b>	<b>26700</b>	QB-01, B	ug/L	80.0	80.0	1	07/28/20	07/28/20 16:51	KD
Chromium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
Cobalt	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
<b>Copper</b>	<b>1.32</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
<b>Iron</b>	<b>350</b>		ug/L	100	5.00	1	07/28/20	07/28/20 16:51	KD
Lead	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
<b>Magnesium</b>	<b>17400</b>		ug/L	100	100	1	07/28/20	07/28/20 16:51	KD
<b>Manganese</b>	<b>63.7</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
Mercury	ND		ug/L	0.100	0.100	1	07/28/20	07/28/20 16:51	KD
<b>Nickel</b>	<b>4.18</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
<b>Potassium</b>	<b>3120</b>		ug/L	100	100	1	07/28/20	07/28/20 16:51	KD
Selenium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
Silver	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
<b>Sodium</b>	<b>29400</b>		ug/L	100	100	1	07/28/20	07/28/20 16:51	KD
Thallium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:51	KD
Zinc	ND		ug/L	4.00	4.00	1	07/28/20	07/28/20 16:51	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**ST-120**

**0072723-04 (Nonpotable Water)  
Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	16.5		mg/L	3.0	3.0	1	07/28/20	07/28/20 14:57	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	544		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	6.6		mg/L	2.3	2.3	1	07/28/20	07/29/20 10:14	CWK
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	284		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	07/29/20	07/29/20 11:57	FRD
Chloride	91.9		mg/L	2.5	2.5	5	07/28/20	07/29/20 13:07	SES
Nitrate (as N)	0.76		mg/L	0.20	0.10	1	07/28/20	07/28/20 17:14	SES
Sulfate	8.37		mg/L	1.00	0.50	1	07/28/20	07/28/20 17:14	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	53.5		mg/L	1.0	1.0	1	07/28/20	07/28/20 13:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB04A**

**0072723-05 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.77		pH Units			1	07/27/20	07/27/20 18:51	RH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	ND		NTU	0.500	0.110	1	07/28/20	07/28/20 18:24	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:13	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:13	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
<b>Benzene</b>	<b>2.4</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:13	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
<b>Chlorobenzene</b>	<b>1.8</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
<b>1,4-Dichlorobenzene</b>	<b>9.6</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
<b>cis-1,2-Dichloroethene</b>	<b>21.7</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB04A**

**0072723-05 (Nonpotable Water)**

Sample Date: 07/27/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:13	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:13	GM
Isobutanol	ND		ug/L	100	100	1	07/28/20	07/28/20 16:13	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:13	GM
<b>Methylene chloride</b>	<b>3.9</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:13	GM
Styrene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
<b>Tetrachloroethene</b>	<b>1.6</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
<b>Toluene</b>	<b>2.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
<b>Trichloroethene</b>	<b>1.7</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
<b>Vinyl chloride</b>	<b>2.5</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:13	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	07/28/20		07/28/20 16:13		
Surrogate: Toluene-d8			75-120	94 %	07/28/20		07/28/20 16:13		
Surrogate: 4-Bromofluorobenzene			75-120	98 %	07/28/20		07/28/20 16:13		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB04A**

**0072723-05 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/30/20	07/30/20 20:18	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 20:18	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>771000</b>		ug/L	2500	2500	5	07/28/20	07/28/20 17:09	KD
Antimony	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
<b>Barium</b>	<b>74.9</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
<b>Calcium</b>	<b>127000</b>	QB-01, B	ug/L	400	400	5	07/28/20	07/28/20 17:09	KD
<b>Chromium</b>	<b>1.25</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
<b>Cobalt</b>	<b>1.06</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
<b>Copper</b>	<b>40.5</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
<b>Iron</b>	<b>32.2</b>	J	ug/L	100	5.00	1	07/28/20	07/28/20 16:53	KD
Lead	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
<b>Magnesium</b>	<b>110000</b>		ug/L	500	500	5	07/28/20	07/28/20 17:09	KD
<b>Manganese</b>	<b>2840</b>		ug/L	5.00	5.00	5	07/28/20	07/28/20 17:09	KD
Mercury	ND		ug/L	0.100	0.100	1	07/28/20	07/28/20 16:53	KD
<b>Nickel</b>	<b>25.6</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
<b>Potassium</b>	<b>6330</b>		ug/L	100	100	1	07/28/20	07/28/20 16:53	KD
Selenium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
Silver	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
<b>Sodium</b>	<b>105000</b>		ug/L	500	500	5	07/28/20	07/28/20 17:09	KD
Thallium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:53	KD
<b>Zinc</b>	<b>24.7</b>		ug/L	4.00	4.00	1	07/28/20	07/28/20 16:53	KD



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB04A**

**0072723-05 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	49.5		mg/L	3.0	3.0	1	07/28/20	07/28/20 14:57	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	2170		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	10.0		mg/L	2.3	2.3	1	07/28/20	07/29/20 10:14	CWK
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	1210		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.61		mg/L	0.10	0.05	1	07/29/20	07/29/20 11:59	FRD
Chloride	560		mg/L	25.0	25.0	50	07/28/20	07/29/20 13:24	SES
Nitrate (as N)	0.93		mg/L	0.20	0.10	1	07/28/20	07/28/20 17:31	SES
Sulfate	11.3		mg/L	1.00	0.50	1	07/28/20	07/28/20 17:31	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	155		mg/L	1.0	1.0	1	07/28/20	07/28/20 13:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB04**

**0072723-06 (Nonpotable Water)  
Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.07		pH Units			1	07/27/20	07/27/20 18:51	RH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	ND		NTU	0.500	0.110	1	07/28/20	07/28/20 18:25	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:39	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:39	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
<b>Benzene</b>	<b>1.8</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:39	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
<b>Chlorobenzene</b>	<b>1.9</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
<b>1,4-Dichlorobenzene</b>	<b>6.9</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
<b>cis-1,2-Dichloroethene</b>	<b>16.5</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB04**

**0072723-06 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:39	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:39	GM
Isobutanol	ND		ug/L	100	100	1	07/28/20	07/28/20 16:39	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:39	GM
<b>Methylene chloride</b>	<b>2.2</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 16:39	GM
Styrene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
<b>Tetrachloroethene</b>	<b>1.7</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Toluene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
<b>Trichloroethene</b>	<b>1.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
<b>Vinyl chloride</b>	<b>1.7</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 16:39	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	104 %	07/28/20		07/28/20 16:39		
Surrogate: Toluene-d8			75-120	92 %	07/28/20		07/28/20 16:39		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	07/28/20		07/28/20 16:39		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB04**

**0072723-06 (Nonpotable Water)  
Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/30/20	07/30/20 20:44	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 20:44	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>821000</b>		ug/L	2500	2500	5	07/28/20	07/28/20 17:12	KD
Antimony	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
<b>Barium</b>	<b>286</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
<b>Calcium</b>	<b>157000</b>	QB-01, B	ug/L	400	400	5	07/28/20	07/28/20 17:12	KD
Chromium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
Cobalt	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
<b>Copper</b>	<b>38.1</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
<b>Iron</b>	<b>16.5</b>	J	ug/L	100	5.00	1	07/28/20	07/28/20 16:56	KD
Lead	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
<b>Magnesium</b>	<b>104000</b>		ug/L	500	500	5	07/28/20	07/28/20 17:12	KD
<b>Manganese</b>	<b>4150</b>		ug/L	5.00	5.00	5	07/28/20	07/28/20 17:12	KD
Mercury	ND		ug/L	0.100	0.100	1	07/28/20	07/28/20 16:56	KD
<b>Nickel</b>	<b>14.0</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
<b>Potassium</b>	<b>7510</b>		ug/L	100	100	1	07/28/20	07/28/20 16:56	KD
Selenium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
Silver	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
<b>Sodium</b>	<b>76200</b>		ug/L	100	100	1	07/28/20	07/28/20 16:56	KD
Thallium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:56	KD
<b>Zinc</b>	<b>4.06</b>		ug/L	4.00	4.00	1	07/28/20	07/28/20 16:56	KD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB04**

**0072723-06 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>45.1</b>		mg/L	3.0	3.0	1	07/28/20	07/28/20 14:58	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>2160</b>		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	ND		mg/L	2.3	2.3	1	07/28/20	07/29/20 10:14	CWK
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	1220		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.88		mg/L	0.10	0.05	1	07/29/20	07/29/20 12:01	FRD
Chloride	497		mg/L	25.0	25.0	50	07/28/20	07/29/20 13:41	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/28/20	07/28/20 18:22	SES
Sulfate	17.7		mg/L	1.00	0.50	1	07/28/20	07/28/20 18:22	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	277		mg/L	1.0	1.0	1	07/28/20	07/28/20 13:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB105**

**0072723-07 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.55		pH Units			1	07/27/20	07/27/20 18:51	RH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	145		NTU	5.00	1.10	10	07/28/20	07/28/20 18:30	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:04	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:04	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Benzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:04	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
<b>1,4-Dichlorobenzene</b>	<b>2.7</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
<b>cis-1,2-Dichloroethene</b>	<b>5.3</b>		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB105**

**0072723-07 (Nonpotable Water)  
Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:04	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:04	GM
Isobutanol	ND		ug/L	100	100	1	07/28/20	07/28/20 17:04	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:04	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:04	GM
Styrene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Toluene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:04	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	104 %			07/28/20	07/28/20 17:04	
Surrogate: Toluene-d8			75-120	93 %			07/28/20	07/28/20 17:04	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			07/28/20	07/28/20 17:04	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB105**

**0072723-07 (Nonpotable Water)**

**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/30/20	07/30/20 21:10	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 21:10	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>879000</b>		ug/L	2500	2500	5	07/28/20	07/28/20 17:14	KD
Antimony	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
<b>Arsenic</b>	<b>3.12</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
<b>Barium</b>	<b>364</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
<b>Calcium</b>	<b>128000</b>	QB-01, B	ug/L	400	400	5	07/28/20	07/28/20 17:14	KD
<b>Chromium</b>	<b>2.38</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
<b>Cobalt</b>	<b>6.20</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
<b>Copper</b>	<b>15.4</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
<b>Iron</b>	<b>13700</b>		ug/L	100	5.00	1	07/28/20	07/28/20 16:58	KD
Lead	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
<b>Magnesium</b>	<b>136000</b>		ug/L	500	500	5	07/28/20	07/28/20 17:14	KD
<b>Manganese</b>	<b>2290</b>		ug/L	5.00	5.00	5	07/28/20	07/28/20 17:14	KD
Mercury	ND		ug/L	0.100	0.100	1	07/28/20	07/28/20 16:58	KD
<b>Nickel</b>	<b>18.1</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
<b>Potassium</b>	<b>65500</b>		ug/L	100	100	1	07/28/20	07/28/20 16:58	KD
Selenium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
Silver	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
<b>Sodium</b>	<b>253000</b>		ug/L	500	500	5	07/28/20	07/28/20 17:14	KD
Thallium	ND		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
<b>Vanadium</b>	<b>1.31</b>		ug/L	1.00	1.00	1	07/28/20	07/28/20 16:58	KD
<b>Zinc</b>	<b>42.3</b>		ug/L	4.00	4.00	1	07/28/20	07/28/20 16:58	KD



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB105**

**0072723-07 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>110</b>		mg/L	3.0	3.0	1	07/28/20	07/28/20 14:58	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>2860</b>		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>31.9</b>		mg/L	4.0	4.0	1	07/28/20	07/29/20 10:14	CWK
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>1680</b>		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
<b>Ammonia Nitrogen</b>	<b>28.7</b>		mg/L	1.00	0.50	10	07/29/20	07/29/20 14:40	FRD
<b>Chloride</b>	<b>288</b>		mg/L	12.5	12.5	25	07/28/20	07/29/20 14:31	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/28/20	07/28/20 18:39	SES
<b>Sulfate</b>	<b>191</b>		mg/L	25.0	12.5	25	07/28/20	07/29/20 14:31	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>929</b>		mg/L	4.0	4.0	1	07/28/20	07/28/20 13:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TRIP BLANK**

**0072723-08 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:29	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:29	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Benzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:29	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

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**0072723-08 (Nonpotable Water)**  
**Sample Date: 07/27/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:29	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:29	GM
Isobutanol	ND		ug/L	100	100	1	07/28/20	07/28/20 17:29	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:29	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/28/20	07/28/20 17:29	GM
Styrene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Toluene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/28/20	07/28/20 17:29	GM
Surrogate: 1,2-Dichloroethane-d4		70-130		104 %			07/28/20	07/28/20 17:29	
Surrogate: Toluene-d8		75-120		91 %			07/28/20	07/28/20 17:29	
Surrogate: 4-Bromofluorobenzene		75-120		95 %			07/28/20	07/28/20 17:29	



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-22A**

**0072819-01 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.79</b>		pH Units			1	07/29/20	07/29/20 08:58	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>4.11</b>		NTU	0.500	0.110	1	07/28/20	07/28/20 17:55	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 14:37	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 14:37	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Benzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 14:37	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
<b>Chlorobenzene</b>	<b>1.0</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
<b>cis-1,2-Dichloroethene</b>	<b>5.5</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-22A**

**0072819-01 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 14:37	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 14:37	GM
Isobutanol	ND		ug/L	100	100	1	07/29/20	07/29/20 14:37	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 14:37	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 14:37	GM
Styrene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Toluene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
<b>Trichloroethene</b>	<b>3.6</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 14:37	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	104 %			07/29/20	07/29/20 14:37	
Surrogate: Toluene-d8			75-120	92 %			07/29/20	07/29/20 14:37	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			07/29/20	07/29/20 14:37	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-22A**

**0072819-01 (Nonpotable Water)  
Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/30/20	07/30/20 21:35	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 21:35	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>397000</b>		ug/L	500	500	1	07/29/20	07/30/20 11:50	KD
Antimony	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
<b>Barium</b>	<b>21.6</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
<b>Calcium</b>	<b>98300</b>		ug/L	80.0	80.0	1	07/29/20	07/30/20 11:50	KD
<b>Chromium</b>	<b>1.14</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
<b>Cobalt</b>	<b>1.00</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
Copper	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
<b>Iron</b>	<b>4990</b>		ug/L	100	5.00	1	07/29/20	07/30/20 11:50	KD
Lead	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
<b>Magnesium</b>	<b>36900</b>		ug/L	100	100	1	07/29/20	07/30/20 11:50	KD
<b>Manganese</b>	<b>1360</b>		ug/L	5.00	5.00	5	07/29/20	07/30/20 13:11	KD
Mercury	ND		ug/L	0.100	0.100	1	07/29/20	07/30/20 11:50	KD
<b>Nickel</b>	<b>6.32</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
<b>Potassium</b>	<b>5220</b>		ug/L	100	100	1	07/29/20	07/30/20 11:50	KD
Selenium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
Silver	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
<b>Sodium</b>	<b>86300</b>		ug/L	100	100	1	07/29/20	07/30/20 11:50	KD
Thallium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:50	KD
Zinc	ND		ug/L	4.00	4.00	1	07/29/20	07/30/20 11:50	KD



Cory Koons, Laboratory Manager

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MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-22A**

**0072819-01 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	24.8		mg/L	3.0	3.0	1	07/29/20	07/29/20 14:40	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1210		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	19.7		mg/L	2.4	2.4	1	07/29/20	07/30/20 11:00	MH
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	711		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.11		mg/L	0.10	0.05	1	07/29/20	07/29/20 14:29	FRD
Chloride	143		mg/L	12.5	12.5	25	07/30/20	07/30/20 11:25	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/29/20	07/29/20 16:46	SES
Sulfate	35.0		mg/L	1.00	0.50	1	07/29/20	07/29/20 16:46	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	373		mg/L	4.0	4.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-22B**

**0072819-02 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>7.10</b>		pH Units			1	07/29/20	07/29/20 08:58	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>15.8</b>		NTU	0.500	0.110	1	07/28/20	07/28/20 17:55	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:03	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:03	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Benzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:03	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
<b>cis-1,2-Dichloroethene</b>	<b>1.8</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-22B**

**0072819-02 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:03	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:03	GM
Isobutanol	ND		ug/L	100	100	1	07/29/20	07/29/20 15:03	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:03	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:03	GM
Styrene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Toluene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
<b>Trichloroethene</b>	<b>1.3</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:03	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %			07/29/20	07/29/20 15:03	
Surrogate: Toluene-d8			75-120	92 %			07/29/20	07/29/20 15:03	
Surrogate: 4-Bromofluorobenzene			75-120	95 %			07/29/20	07/29/20 15:03	



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-22B**

**0072819-02 (Nonpotable Water)  
Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/30/20	07/30/20 22:00	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 22:00	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>32000</b>		ug/L	500	500	1	07/29/20	07/30/20 11:57	KD
<b>Antimony</b>	<b>1.10</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
<b>Arsenic</b>	<b>5.35</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
<b>Barium</b>	<b>33.0</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
<b>Calcium</b>	<b>83900</b>		ug/L	80.0	80.0	1	07/29/20	07/30/20 11:57	KD
<b>Chromium</b>	<b>4.54</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
Cobalt	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
<b>Copper</b>	<b>2.52</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
<b>Iron</b>	<b>2130</b>		ug/L	100	5.00	1	07/29/20	07/30/20 11:57	KD
Lead	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
<b>Magnesium</b>	<b>26900</b>		ug/L	100	100	1	07/29/20	07/30/20 11:57	KD
<b>Manganese</b>	<b>486</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
Mercury	ND		ug/L	0.100	0.100	1	07/29/20	07/30/20 11:57	KD
<b>Nickel</b>	<b>7.03</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
<b>Potassium</b>	<b>6820</b>		ug/L	100	100	1	07/29/20	07/30/20 11:57	KD
Selenium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
Silver	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
<b>Sodium</b>	<b>51000</b>		ug/L	100	100	1	07/29/20	07/30/20 11:57	KD
Thallium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:57	KD
<b>Zinc</b>	<b>4.45</b>		ug/L	4.00	4.00	1	07/29/20	07/30/20 11:57	KD



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-22B**

**0072819-02 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>19.8</b>		mg/L	3.0	3.0	1	07/29/20	07/29/20 14:42	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>943</b>		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>8.9</b>		mg/L	2.3	2.3	1	07/29/20	07/30/20 11:00	MH
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>572</b>		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	07/29/20	07/29/20 14:31	FRD
<b>Chloride</b>	<b>117</b>		mg/L	2.5	2.5	5	07/30/20	07/30/20 15:04	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/29/20	07/29/20 18:11	SES
<b>Sulfate</b>	<b>31.3</b>		mg/L	1.00	0.50	1	07/29/20	07/29/20 18:11	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>262</b>		mg/L	1.0	1.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-3B**

**0072819-03 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.51</b>		pH Units			1	07/29/20	07/29/20 08:58	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>4.80</b>		NTU	0.500	0.110	1	07/28/20	07/28/20 17:56	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:28	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:28	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Benzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:28	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
<b>Chloroform</b>	<b>1.8</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-3B**

**0072819-03 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:28	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:28	GM
Isobutanol	ND		ug/L	100	100	1	07/29/20	07/29/20 15:28	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:28	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:28	GM
Styrene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Toluene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:28	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %			07/29/20	07/29/20 15:28	
Surrogate: Toluene-d8			75-120	92 %			07/29/20	07/29/20 15:28	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			07/29/20	07/29/20 15:28	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-3B**

**0072819-03 (Nonpotable Water)  
Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/30/20	07/30/20 22:26	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 22:26	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>15700</b>		ug/L	500	500	1	07/29/20	07/30/20 11:59	KD
Antimony	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
<b>Barium</b>	<b>6.15</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
<b>Calcium</b>	<b>3440</b>		ug/L	80.0	80.0	1	07/29/20	07/30/20 11:59	KD
<b>Chromium</b>	<b>6.51</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
Cobalt	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
<b>Copper</b>	<b>3.75</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
<b>Iron</b>	<b>242</b>		ug/L	100	5.00	1	07/29/20	07/30/20 11:59	KD
Lead	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
<b>Magnesium</b>	<b>1720</b>		ug/L	100	100	1	07/29/20	07/30/20 11:59	KD
<b>Manganese</b>	<b>11.8</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
Mercury	ND		ug/L	0.100	0.100	1	07/29/20	07/30/20 11:59	KD
<b>Nickel</b>	<b>5.54</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
<b>Potassium</b>	<b>905</b>		ug/L	100	100	1	07/29/20	07/30/20 11:59	KD
Selenium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
Silver	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
<b>Sodium</b>	<b>5360</b>		ug/L	100	100	1	07/29/20	07/30/20 11:59	KD
Thallium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 11:59	KD
<b>Zinc</b>	<b>9.78</b>		ug/L	4.00	4.00	1	07/29/20	07/30/20 11:59	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-3B**

**0072819-03 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>17.0</b>		mg/L	3.0	3.0	1	07/29/20	07/29/20 14:42	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>53.6</b>		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>7.1</b>		mg/L	4.5	4.5	1	07/29/20	07/30/20 11:00	MH
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>54.3</b>		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	07/29/20	07/29/20 12:14	FRD
<b>Chloride</b>	<b>2.9</b>		mg/L	0.5	0.5	1	07/29/20	07/29/20 18:28	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/29/20	07/29/20 18:28	SES
<b>Sulfate</b>	<b>1.66</b>		mg/L	1.00	0.50	1	07/29/20	07/29/20 18:28	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>22.2</b>		mg/L	1.0	1.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-3A**

**0072819-04 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.03</b>		pH Units			1	07/29/20	07/29/20 08:58	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>20.1</b>		NTU	0.500	0.110	1	07/28/20	07/28/20 17:57	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:54	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:54	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Benzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:54	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
<b>Chloroform</b>	<b>2.2</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-3A**

**0072819-04 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:54	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:54	GM
Isobutanol	ND		ug/L	100	100	1	07/29/20	07/29/20 15:54	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:54	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 15:54	GM
Styrene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Toluene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 15:54	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	104 %			07/29/20	07/29/20 15:54	
Surrogate: Toluene-d8			75-120	92 %			07/29/20	07/29/20 15:54	
Surrogate: 4-Bromofluorobenzene			75-120	95 %			07/29/20	07/29/20 15:54	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-3A**

**0072819-04 (Nonpotable Water)  
Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/30/20	07/30/20 22:51	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 22:51	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>13900</b>		ug/L	500	500	1	07/29/20	07/30/20 12:02	KD
Antimony	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
<b>Barium</b>	<b>7.50</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
<b>Calcium</b>	<b>2460</b>		ug/L	80.0	80.0	1	07/29/20	07/30/20 12:02	KD
<b>Chromium</b>	<b>6.28</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
<b>Cobalt</b>	<b>1.11</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
<b>Copper</b>	<b>3.22</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
<b>Iron</b>	<b>1700</b>		ug/L	100	5.00	1	07/29/20	07/30/20 12:02	KD
Lead	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
<b>Magnesium</b>	<b>1900</b>		ug/L	100	100	1	07/29/20	07/30/20 12:02	KD
<b>Manganese</b>	<b>46.8</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
Mercury	ND		ug/L	0.100	0.100	1	07/29/20	07/30/20 12:02	KD
<b>Nickel</b>	<b>5.96</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
<b>Potassium</b>	<b>1300</b>		ug/L	100	100	1	07/29/20	07/30/20 12:02	KD
Selenium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
Silver	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
<b>Sodium</b>	<b>3760</b>		ug/L	100	100	1	07/29/20	07/30/20 12:02	KD
Thallium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
<b>Vanadium</b>	<b>2.61</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:02	KD
<b>Zinc</b>	<b>5.39</b>		ug/L	4.00	4.00	1	07/29/20	07/30/20 12:02	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-3A**

**0072819-04 (Nonpotable Water)  
Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>8.1</b>		mg/L	3.0	3.0	1	07/29/20	07/29/20 14:43	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>41.6</b>		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>246</b>		mg/L	11.9	11.9	1	07/29/20	07/30/20 11:00	MH
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>49.3</b>		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	07/29/20	07/29/20 12:16	FRD
<b>Chloride</b>	<b>2.7</b>		mg/L	0.5	0.5	1	07/29/20	07/29/20 18:45	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/29/20	07/29/20 18:45	SES
<b>Sulfate</b>	<b>0.58</b>	Ja	mg/L	1.00	0.50	1	07/29/20	07/29/20 18:45	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>13.3</b>		mg/L	1.0	1.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB08**

**0072819-05 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.32</b>		pH Units			1	07/29/20	07/29/20 08:58	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>4.97</b>		NTU	0.500	0.110	1	07/28/20	07/28/20 17:58	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:19	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:19	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
<b>Benzene</b>	<b>1.5</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:19	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
<b>Chlorobenzene</b>	<b>12.0</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
<b>1,4-Dichlorobenzene</b>	<b>5.9</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
<b>cis-1,2-Dichloroethene</b>	<b>8.6</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
<b>1,2-Dichloropropane</b>	<b>1.2</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**OB08**

**0072819-05 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:19	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:19	GM
Isobutanol	ND		ug/L	100	100	1	07/29/20	07/29/20 16:19	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:19	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:19	GM
Styrene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Toluene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
<b>Vinyl chloride</b>	<b>1.4</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:19	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %			07/29/20	07/29/20 16:19	
Surrogate: Toluene-d8			75-120	92 %			07/29/20	07/29/20 16:19	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			07/29/20	07/29/20 16:19	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB08**

**0072819-05 (Nonpotable Water)**

Sample Date: 07/28/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/30/20	07/30/20 23:17	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 23:17	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>229000</b>		ug/L	500	500	1	07/29/20	07/30/20 12:04	KD
Antimony	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
<b>Arsenic</b>	<b>2.73</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
<b>Barium</b>	<b>65.6</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
<b>Calcium</b>	<b>49300</b>		ug/L	80.0	80.0	1	07/29/20	07/30/20 12:04	KD
<b>Chromium</b>	<b>2.73</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
<b>Cobalt</b>	<b>18.6</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
<b>Copper</b>	<b>2.90</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
<b>Iron</b>	<b>5110</b>		ug/L	100	5.00	1	07/29/20	07/30/20 12:04	KD
Lead	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
<b>Magnesium</b>	<b>25700</b>		ug/L	100	100	1	07/29/20	07/30/20 12:04	KD
<b>Manganese</b>	<b>8710</b>		ug/L	10.0	10.0	10	07/29/20	07/30/20 13:13	KD
Mercury	ND		ug/L	0.100	0.100	1	07/29/20	07/30/20 12:04	KD
<b>Nickel</b>	<b>7.93</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
<b>Potassium</b>	<b>2940</b>		ug/L	100	100	1	07/29/20	07/30/20 12:04	KD
Selenium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
Silver	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
<b>Sodium</b>	<b>35200</b>		ug/L	100	100	1	07/29/20	07/30/20 12:04	KD
Thallium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:04	KD
<b>Zinc</b>	<b>8.02</b>		ug/L	4.00	4.00	1	07/29/20	07/30/20 12:04	KD



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB08**

**0072819-05 (Nonpotable Water)  
Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	19.1		mg/L	3.0	3.0	1	07/29/20	07/29/20 14:43	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	688		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	25.4		mg/L	2.4	2.4	1	07/29/20	07/30/20 11:00	MH
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	398		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.35		mg/L	0.10	0.05	1	07/29/20	07/29/20 12:18	FRD
Chloride	73.7		mg/L	2.5	2.5	5	07/30/20	07/30/20 12:32	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/29/20	07/29/20 19:02	SES
Sulfate	2.49		mg/L	1.00	0.50	1	07/29/20	07/29/20 19:02	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	226		mg/L	1.0	1.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB08A**

**0072819-06 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.60		pH Units			1	07/29/20	07/29/20 08:58	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	ND		NTU	0.500	0.110	1	07/28/20	07/28/20 18:12	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:44	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:44	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Benzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:44	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
<b>Chlorobenzene</b>	<b>6.8</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
<b>1,4-Dichlorobenzene</b>	<b>3.6</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
<b>cis-1,2-Dichloroethene</b>	<b>12.2</b>		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB08A**

**0072819-06 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	1.1		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:44	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:44	GM
Isobutanol	ND		ug/L	100	100	1	07/29/20	07/29/20 16:44	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:44	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 16:44	GM
Styrene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Toluene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 16:44	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %			07/29/20	07/29/20 16:44	
Surrogate: Toluene-d8			75-120	92 %			07/29/20	07/29/20 16:44	
Surrogate: 4-Bromofluorobenzene			75-120	95 %			07/29/20	07/29/20 16:44	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB08A**

**0072819-06 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/30/20	07/30/20 23:42	SJA
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/30/20	07/30/20 23:42	SJA
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>221000</b>		ug/L	500	500	1	07/29/20	07/30/20 12:07	KD
Antimony	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
<b>Barium</b>	<b>152</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
<b>Calcium</b>	<b>59700</b>		ug/L	80.0	80.0	1	07/29/20	07/30/20 12:07	KD
Chromium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
<b>Cobalt</b>	<b>5.50</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
Copper	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
<b>Iron</b>	<b>106</b>		ug/L	100	5.00	1	07/29/20	07/30/20 12:07	KD
Lead	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
<b>Magnesium</b>	<b>17500</b>		ug/L	100	100	1	07/29/20	07/30/20 12:07	KD
<b>Manganese</b>	<b>5800</b>		ug/L	10.0	10.0	10	07/29/20	07/30/20 13:15	KD
Mercury	ND		ug/L	0.100	0.100	1	07/29/20	07/30/20 12:07	KD
<b>Nickel</b>	<b>6.34</b>		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
<b>Potassium</b>	<b>2780</b>		ug/L	100	100	1	07/29/20	07/30/20 12:07	KD
Selenium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
Silver	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
<b>Sodium</b>	<b>26700</b>		ug/L	100	100	1	07/29/20	07/30/20 12:07	KD
Thallium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/29/20	07/30/20 12:07	KD
Zinc	ND		ug/L	4.00	4.00	1	07/29/20	07/30/20 12:07	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB08A**

**0072819-06 (Nonpotable Water)  
Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	16.0		mg/L	3.0	3.0	1	07/29/20	07/29/20 14:44	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	612		uS/cm			1	07/28/20	07/28/20 18:40	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	ND		mg/L	2.4	2.4	1	07/29/20	07/30/20 11:00	MH
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	362		mg/L	10.0	10.0	1	07/29/20	07/31/20 10:17	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	07/29/20	07/29/20 12:20	FRD
Chloride	51.0		mg/L	2.5	2.5	5	07/30/20	07/30/20 12:49	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/29/20	07/29/20 19:18	SES
Sulfate	5.82		mg/L	1.00	0.50	1	07/29/20	07/29/20 19:18	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	223		mg/L	1.0	1.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

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**0072819-07 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 17:10	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 17:10	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Benzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 17:10	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
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08/27/20 14:36

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**0072819-07 (Nonpotable Water)**  
**Sample Date: 07/28/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 17:10	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 17:10	GM
Isobutanol	ND		ug/L	100	100	1	07/29/20	07/29/20 17:10	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 17:10	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/29/20	07/29/20 17:10	GM
Styrene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Toluene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/29/20	07/29/20 17:10	GM
Surrogate: 1,2-Dichloroethane-d4				70-130	108 %		07/29/20	07/29/20 17:10	
Surrogate: Toluene-d8				75-120	92 %		07/29/20	07/29/20 17:10	
Surrogate: 4-Bromofluorobenzene				75-120	96 %		07/29/20	07/29/20 17:10	



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW24B**

**0072915-01 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.52		pH Units			1	07/30/20	07/30/20 09:02	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	264		NTU	5.00	1.10	10	07/30/20	07/30/20 18:06	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:03	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:03	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
<b>Benzene</b>	<b>4.6</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:03	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
<b>Chlorobenzene</b>	<b>2.4</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
<b>1,4-Dichlorobenzene</b>	<b>7.4</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
<b>1,1-Dichloroethane</b>	<b>3.3</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
<b>cis-1,2-Dichloroethene</b>	<b>1.8</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
<b>trans-1,2-Dichloroethene</b>	<b>2.0</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW24B**

**0072915-01 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:03	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:03	GM
Isobutanol	ND		ug/L	100	100	1	07/30/20	07/30/20 13:03	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:03	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:03	GM
Styrene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Toluene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:03	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	100 %	07/30/20		07/30/20 13:03		
Surrogate: Toluene-d8			75-120	92 %	07/30/20		07/30/20 13:03		
Surrogate: 4-Bromofluorobenzene			75-120	95 %	07/30/20		07/30/20 13:03		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW24B**

**0072915-01 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/31/20	07/31/20 16:00	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 16:00	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>555000</b>		ug/L	500	500	1	07/31/20	07/31/20 16:03	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
<b>Arsenic</b>	<b>30.9</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
<b>Barium</b>	<b>184</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
<b>Calcium</b>	<b>90600</b>	QB-01, B	ug/L	80.0	80.0	1	07/31/20	07/31/20 16:03	KD
<b>Chromium</b>	<b>6.06</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
<b>Cobalt</b>	<b>51.8</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
<b>Copper</b>	<b>6.33</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
<b>Iron</b>	<b>46400</b>		ug/L	100	5.00	1	07/31/20	07/31/20 16:03	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
<b>Magnesium</b>	<b>79800</b>		ug/L	100	100	1	07/31/20	07/31/20 16:03	KD
<b>Manganese</b>	<b>4260</b>		ug/L	10.0	10.0	10	07/31/20	08/03/20 10:37	KD
Mercury	ND		ug/L	0.100	0.100	1	07/31/20	07/31/20 16:03	KD
<b>Nickel</b>	<b>30.7</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
<b>Potassium</b>	<b>4560</b>		ug/L	100	100	1	07/31/20	07/31/20 16:03	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
<b>Sodium</b>	<b>33400</b>		ug/L	100	100	1	07/31/20	07/31/20 16:03	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:03	KD
<b>Zinc</b>	<b>29.7</b>		ug/L	4.00	4.00	1	07/31/20	07/31/20 16:03	KD



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW24B**

**0072915-01 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	46.9		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:27	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1520		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	30.9		mg/L	3.6	3.6	1	07/30/20	07/31/20 11:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	774		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.17		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:00	FRD
Chloride	296		mg/L	25.0	25.0	50	07/31/20	07/31/20 14:08	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/30/20	07/30/20 17:36	SES
Sulfate	ND		mg/L	1.00	0.50	1	07/30/20	07/30/20 17:36	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	295		mg/L	4.0	4.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**OB40**

**0072915-02 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.48</b>		pH Units			1	07/30/20	07/30/20 09:02	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>416</b>		NTU	10.0	2.20	20	07/30/20	07/30/20 18:17	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:28	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:28	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
<b>Benzene</b>	<b>5.7</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:28	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
<b>Chlorobenzene</b>	<b>3.7</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
<b>1,4-Dichlorobenzene</b>	<b>14.7</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
<b>1,1-Dichloroethane</b>	<b>3.7</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
<b>cis-1,2-Dichloroethene</b>	<b>1.8</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
<b>trans-1,2-Dichloroethene</b>	<b>2.8</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB40**

**0072915-02 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:28	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:28	GM
Isobutanol	ND		ug/L	100	100	1	07/30/20	07/30/20 13:28	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:28	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:28	GM
Styrene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Toluene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
<b>o-Xylene</b>	<b>1.2</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:28	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	100 %			07/30/20	07/30/20 13:28	
Surrogate: Toluene-d8			75-120	90 %			07/30/20	07/30/20 13:28	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			07/30/20	07/30/20 13:28	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB40**

**0072915-02 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/31/20	07/31/20 16:26	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 16:26	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>580000</b>		ug/L	500	500	1	07/31/20	07/31/20 16:06	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
<b>Arsenic</b>	<b>37.6</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
<b>Barium</b>	<b>206</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
<b>Calcium</b>	<b>94400</b>	QB-01, B	ug/L	80.0	80.0	1	07/31/20	07/31/20 16:06	KD
<b>Chromium</b>	<b>2.83</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
<b>Cobalt</b>	<b>54.0</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
<b>Copper</b>	<b>1.60</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
<b>Iron</b>	<b>48900</b>		ug/L	100	5.00	1	07/31/20	07/31/20 16:06	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
<b>Magnesium</b>	<b>83700</b>		ug/L	100	100	1	07/31/20	07/31/20 16:06	KD
<b>Manganese</b>	<b>3770</b>		ug/L	5.00	5.00	5	07/31/20	08/03/20 10:39	KD
Mercury	ND		ug/L	0.100	0.100	1	07/31/20	07/31/20 16:06	KD
<b>Nickel</b>	<b>16.4</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
<b>Potassium</b>	<b>4290</b>		ug/L	100	100	1	07/31/20	07/31/20 16:06	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
<b>Sodium</b>	<b>34500</b>		ug/L	100	100	1	07/31/20	07/31/20 16:06	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:06	KD
<b>Zinc</b>	<b>6.72</b>		ug/L	4.00	4.00	1	07/31/20	07/31/20 16:06	KD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB40**

**0072915-02 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	42.3		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:28	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1460		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	31.0		mg/L	3.6	3.6	1	07/30/20	07/31/20 11:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	832		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.14		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:02	FRD
Chloride	304		mg/L	25.0	25.0	50	07/31/20	07/31/20 14:25	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/30/20	07/30/20 17:53	SES
Sulfate	0.53	Ja	mg/L	1.00	0.50	1	07/30/20	07/30/20 17:53	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	309		mg/L	4.0	4.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW24A**

**0072915-03 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.00		pH Units			1	07/30/20	07/30/20 09:02	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	84.8		NTU	5.00	1.10	10	07/30/20	07/30/20 18:23	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:54	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:54	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
<b>Benzene</b>	<b>4.4</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:54	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
<b>Chlorobenzene</b>	<b>8.5</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
<b>1,2-Dichlorobenzene</b>	<b>1.0</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
<b>1,4-Dichlorobenzene</b>	<b>13.5</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
<b>1,1-Dichloroethane</b>	<b>1.6</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
<b>cis-1,2-Dichloroethene</b>	<b>4.6</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
<b>trans-1,2-Dichloroethene</b>	<b>2.1</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW24A**

**0072915-03 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:54	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:54	GM
Isobutanol	ND		ug/L	100	100	1	07/30/20	07/30/20 13:54	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:54	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 13:54	GM
Styrene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
<b>Toluene</b>	<b>1.1</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
<b>Vinyl chloride</b>	<b>9.5</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 13:54	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %			07/30/20	07/30/20 13:54	
Surrogate: Toluene-d8			75-120	91 %			07/30/20	07/30/20 13:54	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			07/30/20	07/30/20 13:54	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW24A**

**0072915-03 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/31/20	07/31/20 16:52	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 16:52	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>469000</b>		ug/L	500	500	1	07/31/20	07/31/20 16:13	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
<b>Arsenic</b>	<b>5.11</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
<b>Barium</b>	<b>297</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
<b>Calcium</b>	<b>68800</b>	QB-01, B	ug/L	80.0	80.0	1	07/31/20	07/31/20 16:13	KD
<b>Chromium</b>	<b>3.38</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
<b>Cobalt</b>	<b>68.7</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
Copper	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
<b>Iron</b>	<b>23000</b>		ug/L	100	5.00	1	07/31/20	07/31/20 16:13	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
<b>Magnesium</b>	<b>72200</b>		ug/L	100	100	1	07/31/20	07/31/20 16:13	KD
<b>Manganese</b>	<b>10000</b>		ug/L	20.0	20.0	20	07/31/20	08/03/20 13:05	KD
Mercury	ND		ug/L	0.100	0.100	1	07/31/20	07/31/20 16:13	KD
<b>Nickel</b>	<b>37.3</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
<b>Potassium</b>	<b>5340</b>		ug/L	100	100	1	07/31/20	07/31/20 16:13	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
<b>Sodium</b>	<b>51100</b>		ug/L	100	100	1	07/31/20	07/31/20 16:13	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:13	KD
<b>Zinc</b>	<b>4.22</b>		ug/L	4.00	4.00	1	07/31/20	07/31/20 16:13	KD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW24A**

**0072915-03 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	41.7		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:28	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1380		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	13.1		mg/L	2.3	2.3	1	07/30/20	07/31/20 11:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	731		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.56		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:04	FRD
Chloride	323		mg/L	25.0	25.0	50	07/31/20	07/31/20 14:42	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/30/20	07/30/20 18:10	SES
Sulfate	0.87	Ja	mg/L	1.00	0.50	1	07/30/20	07/30/20 18:10	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	160		mg/L	2.0	2.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST-065**

**0072915-04 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	7.70		pH Units			1	07/30/20	07/30/20 09:02	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	0.544		NTU	0.500	0.110	1	07/30/20	07/30/20 18:25	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:19	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:19	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Benzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:19	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST-065**

**0072915-04 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:19	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:19	GM
Isobutanol	ND		ug/L	100	100	1	07/30/20	07/30/20 14:19	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:19	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:19	GM
Styrene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Toluene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:19	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %	07/30/20		07/30/20 14:19		
Surrogate: Toluene-d8			75-120	91 %	07/30/20		07/30/20 14:19		
Surrogate: 4-Bromofluorobenzene			75-120	95 %	07/30/20		07/30/20 14:19		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST-065**

**0072915-04 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/31/20	07/31/20 17:17	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 17:17	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>146000</b>		ug/L	500	500	1	07/31/20	07/31/20 16:15	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
<b>Barium</b>	<b>46.4</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
<b>Calcium</b>	<b>27900</b>	QB-01, B	ug/L	80.0	80.0	1	07/31/20	07/31/20 16:15	KD
Chromium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
Cobalt	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
Copper	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
<b>Iron</b>	<b>119</b>		ug/L	100	5.00	1	07/31/20	07/31/20 16:15	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
<b>Magnesium</b>	<b>18700</b>		ug/L	100	100	1	07/31/20	07/31/20 16:15	KD
<b>Manganese</b>	<b>17.2</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
Mercury	ND		ug/L	0.100	0.100	1	07/31/20	07/31/20 16:15	KD
<b>Nickel</b>	<b>2.41</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
<b>Potassium</b>	<b>3460</b>		ug/L	100	100	1	07/31/20	07/31/20 16:15	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
<b>Sodium</b>	<b>29400</b>		ug/L	100	100	1	07/31/20	07/31/20 16:15	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:15	KD
Zinc	ND		ug/L	4.00	4.00	1	07/31/20	07/31/20 16:15	KD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST-065**

**0072915-04 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	16.7		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:28	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	487		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	ND		mg/L	2.3	2.3	1	07/30/20	07/31/20 11:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	268		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:06	FRD
Chloride	97.4		mg/L	5.0	5.0	10	07/31/20	07/31/20 14:58	SES
Nitrate (as N)	1.12		mg/L	0.20	0.10	1	07/30/20	07/30/20 18:27	SES
Sulfate	10.3		mg/L	1.00	0.50	1	07/30/20	07/30/20 18:27	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	66.1		mg/L	1.0	1.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB07**

**0072915-05 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.64		pH Units			1	07/30/20	07/30/20 09:02	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	5.09		NTU	0.500	0.110	1	07/30/20	07/30/20 18:27	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:44	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:44	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Benzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:44	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
<b>cis-1,2-Dichloroethene</b>	<b>1.3</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB07**

**0072915-05 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:44	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:44	GM
Isobutanol	ND		ug/L	100	100	1	07/30/20	07/30/20 14:44	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:44	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 14:44	GM
Styrene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Toluene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 14:44	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %	07/30/20		07/30/20 14:44		
Surrogate: Toluene-d8			75-120	91 %	07/30/20		07/30/20 14:44		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	07/30/20		07/30/20 14:44		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB07**

**0072915-05 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/31/20	07/31/20 17:42	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 17:42	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>492000</b>		ug/L	2500	2500	5	07/31/20	08/03/20 10:49	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
<b>Barium</b>	<b>89.8</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
<b>Calcium</b>	<b>124000</b>	QB-01, B	ug/L	400	400	5	07/31/20	08/03/20 10:49	KD
<b>Chromium</b>	<b>4.31</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
Cobalt	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
<b>Copper</b>	<b>10.9</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
<b>Iron</b>	<b>300</b>		ug/L	100	5.00	1	07/31/20	07/31/20 16:18	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
<b>Magnesium</b>	<b>44000</b>		ug/L	500	500	5	07/31/20	08/03/20 10:49	KD
<b>Manganese</b>	<b>183</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
<b>Mercury</b>	<b>0.157</b>		ug/L	0.100	0.100	1	07/31/20	07/31/20 16:18	KD
<b>Nickel</b>	<b>4.32</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
<b>Potassium</b>	<b>6060</b>		ug/L	100	100	1	07/31/20	07/31/20 16:18	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
<b>Sodium</b>	<b>28000</b>		ug/L	100	100	1	07/31/20	07/31/20 16:18	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:18	KD
<b>Zinc</b>	<b>9.37</b>		ug/L	4.00	4.00	1	07/31/20	07/31/20 16:18	KD



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**OB07**

**0072915-05 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	23.5		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:28	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1220		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	11.6		mg/L	2.3	2.3	1	07/30/20	07/31/20 11:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	709		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:09	FRD
Chloride	232		mg/L	25.0	25.0	50	07/31/20	07/31/20 15:15	SES
Nitrate (as N)	0.61		mg/L	0.20	0.10	1	07/30/20	07/30/20 18:44	SES
Sulfate	38.7		mg/L	1.00	0.50	1	07/30/20	07/30/20 18:44	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	195		mg/L	1.0	1.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB07A**

**0072915-06 (Nonpotable Water)**

Sample Date: 07/29/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.90		pH Units			1	07/30/20	07/30/20 09:02	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	2.01		NTU	0.500	0.110	1	07/30/20	07/30/20 18:28	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:10	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:10	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Benzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:10	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
<b>cis-1,2-Dichloroethene</b>	<b>1.6</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB07A**

**0072915-06 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:10	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:10	GM
Isobutanol	ND		ug/L	100	100	1	07/30/20	07/30/20 15:10	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:10	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:10	GM
Styrene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
<b>Tetrachloroethene</b>	<b>1.2</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Toluene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:10	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %			07/30/20	07/30/20 15:10	
Surrogate: Toluene-d8			75-120	90 %			07/30/20	07/30/20 15:10	
Surrogate: 4-Bromofluorobenzene			75-120	95 %			07/30/20	07/30/20 15:10	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB07A**

**0072915-06 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/31/20	07/31/20 18:08	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 18:08	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>226000</b>		ug/L	500	500	1	07/31/20	07/31/20 16:20	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
<b>Barium</b>	<b>44.5</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
<b>Calcium</b>	<b>47900</b>	QB-01, B	ug/L	80.0	80.0	1	07/31/20	07/31/20 16:20	KD
<b>Chromium</b>	<b>2.05</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
<b>Cobalt</b>	<b>9.08</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
<b>Copper</b>	<b>6.50</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
<b>Iron</b>	<b>114</b>		ug/L	100	5.00	1	07/31/20	07/31/20 16:20	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
<b>Magnesium</b>	<b>25900</b>		ug/L	100	100	1	07/31/20	07/31/20 16:20	KD
<b>Manganese</b>	<b>511</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
<b>Mercury</b>	<b>0.119</b>		ug/L	0.100	0.100	1	07/31/20	07/31/20 16:20	KD
<b>Nickel</b>	<b>6.54</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
<b>Potassium</b>	<b>3010</b>		ug/L	100	100	1	07/31/20	07/31/20 16:20	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
<b>Sodium</b>	<b>18800</b>		ug/L	100	100	1	07/31/20	07/31/20 16:20	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:20	KD
<b>Zinc</b>	<b>6.99</b>		ug/L	4.00	4.00	1	07/31/20	07/31/20 16:20	KD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB07A**

**0072915-06 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	15.5		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:29	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	643		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	6.9		mg/L	3.1	3.1	1	07/30/20	07/31/20 11:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	407		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:15	FRD
Chloride	142		mg/L	25.0	25.0	50	07/31/20	07/31/20 16:06	SES
Nitrate (as N)	0.53		mg/L	0.20	0.10	1	07/30/20	07/30/20 19:01	SES
Sulfate	7.13		mg/L	1.00	0.50	1	07/30/20	07/30/20 19:01	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	68.0		mg/L	1.0	1.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB06**

**0072915-07 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.11		pH Units			1	07/30/20	07/30/20 09:02	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	21.1		NTU	0.500	0.110	1	07/30/20	07/30/20 18:30	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:35	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:35	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Benzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:35	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
<b>Chlorobenzene</b>	<b>1.4</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
<b>1,4-Dichlorobenzene</b>	<b>1.0</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB06**

**0072915-07 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:35	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:35	GM
Isobutanol	ND		ug/L	100	100	1	07/30/20	07/30/20 15:35	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:35	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 15:35	GM
Styrene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Toluene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 15:35	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	07/30/20		07/30/20 15:35		
Surrogate: Toluene-d8			75-120	91 %	07/30/20		07/30/20 15:35		
Surrogate: 4-Bromofluorobenzene			75-120	98 %	07/30/20		07/30/20 15:35		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB06**

**0072915-07 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/31/20	07/31/20 18:34	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 18:34	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>584000</b>		ug/L	2500	2500	5	07/31/20	08/03/20 10:52	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
<b>Barium</b>	<b>181</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
<b>Calcium</b>	<b>127000</b>	QB-01, B	ug/L	400	400	5	07/31/20	08/03/20 10:52	KD
<b>Chromium</b>	<b>6.93</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
<b>Cobalt</b>	<b>5.23</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
<b>Copper</b>	<b>7.39</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
<b>Iron</b>	<b>1630</b>		ug/L	100	5.00	1	07/31/20	07/31/20 16:23	KD
<b>Lead</b>	<b>1.05</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
<b>Magnesium</b>	<b>65100</b>		ug/L	500	500	5	07/31/20	08/03/20 10:52	KD
<b>Manganese</b>	<b>672</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
<b>Mercury</b>	<b>0.379</b>		ug/L	0.100	0.100	1	07/31/20	07/31/20 16:23	KD
<b>Nickel</b>	<b>13.0</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
<b>Potassium</b>	<b>4830</b>		ug/L	100	100	1	07/31/20	07/31/20 16:23	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
<b>Sodium</b>	<b>145000</b>		ug/L	500	500	5	07/31/20	08/03/20 10:52	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
<b>Vanadium</b>	<b>1.69</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:23	KD
<b>Zinc</b>	<b>19.2</b>		ug/L	4.00	4.00	1	07/31/20	07/31/20 16:23	KD



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB06**

**0072915-07 (Nonpotable Water)  
Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	53.5		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:29	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1840		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	105		mg/L	8.9	8.9	1	07/30/20	07/31/20 11:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	1060		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:17	FRD
Chloride	345		mg/L	25.0	25.0	50	07/31/20	07/31/20 16:23	SES
Nitrate (as N)	0.22		mg/L	0.20	0.10	1	07/30/20	07/30/20 19:18	SES
Sulfate	96.2		mg/L	5.00	2.50	5	07/30/20	07/31/20 16:40	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	298		mg/L	2.0	2.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB102**

**0072915-08 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.65		pH Units			1	07/30/20	07/30/20 09:02	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	2.44		NTU	0.500	0.110	1	07/30/20	07/30/20 18:32	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:01	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:01	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Benzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:01	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
<b>Chlorobenzene</b>	<b>2.7</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
<b>1,4-Dichlorobenzene</b>	<b>1.5</b>		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB102**

**0072915-08 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:01	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:01	GM
Isobutanol	ND		ug/L	100	100	1	07/30/20	07/30/20 16:01	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:01	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:01	GM
Styrene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Toluene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:01	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %			07/30/20	07/30/20 16:01	
Surrogate: Toluene-d8			75-120	89 %			07/30/20	07/30/20 16:01	
Surrogate: 4-Bromofluorobenzene			75-120	98 %			07/30/20	07/30/20 16:01	



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB102**

**0072915-08 (Nonpotable Water)**

Sample Date: 07/29/20

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/31/20	07/31/20 18:59	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 18:59	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>583000</b>		ug/L	500	500	1	07/31/20	07/31/20 16:25	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
<b>Arsenic</b>	<b>1.01</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
<b>Barium</b>	<b>321</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
<b>Calcium</b>	<b>83000</b>	QB-01, B	ug/L	80.0	80.0	1	07/31/20	07/31/20 16:25	KD
<b>Chromium</b>	<b>3.39</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
<b>Cobalt</b>	<b>67.3</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
<b>Copper</b>	<b>21.2</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
<b>Iron</b>	<b>442</b>		ug/L	100	5.00	1	07/31/20	07/31/20 16:25	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
<b>Magnesium</b>	<b>91100</b>		ug/L	100	100	1	07/31/20	07/31/20 16:25	KD
<b>Manganese</b>	<b>13900</b>		ug/L	20.0	20.0	20	07/31/20	08/03/20 10:54	KD
Mercury	ND		ug/L	0.100	0.100	1	07/31/20	07/31/20 16:25	KD
<b>Nickel</b>	<b>78.9</b>		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
<b>Potassium</b>	<b>50900</b>		ug/L	100	100	1	07/31/20	07/31/20 16:25	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
<b>Sodium</b>	<b>518000</b>		ug/L	2000	2000	20	07/31/20	08/03/20 10:54	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	07/31/20 16:25	KD
<b>Zinc</b>	<b>8.01</b>		ug/L	4.00	4.00	1	07/31/20	07/31/20 16:25	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB102**

**0072915-08 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	3360		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	5.4		mg/L	2.3	2.3	1	07/30/20	07/31/20 11:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	1970		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	19.8		mg/L	2.00	1.00	20	08/03/20	08/03/20 12:32	FRD
Chloride	475		mg/L	25.0	25.0	50	07/31/20	07/31/20 16:57	SES
Nitrate (as N)	1.45		mg/L	0.20	0.10	1	07/30/20	07/30/20 19:34	SES
Sulfate	70.1		mg/L	1.00	0.50	1	07/30/20	07/30/20 19:34	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	1050		mg/L	4.0	4.0	1	07/30/20	07/30/20 12:00	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
 Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
 Reported:

08/27/20 14:36

**OB102**

**0072915-08RE1 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>155</b>		mg/L	6.0	6.0	2	08/04/20	08/04/20 15:40	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TRIP BLANK**

**0072915-09 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:26	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:26	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Benzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Bromoform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Bromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:26	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Chloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Chloroform	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Chloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Chloroprene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TRIP BLANK**

**0072915-09 (Nonpotable Water)**  
**Sample Date: 07/29/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:26	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:26	GM
Isobutanol	ND		ug/L	100	100	1	07/30/20	07/30/20 16:26	GM
Iodomethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:26	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	07/30/20	07/30/20 16:26	GM
Styrene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Toluene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
o-Xylene	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	07/30/20	07/30/20 16:26	GM
Surrogate: 1,2-Dichloroethane-d4		70-130		105 %			07/30/20	07/30/20 16:26	
Surrogate: Toluene-d8		75-120		91 %			07/30/20	07/30/20 16:26	
Surrogate: 4-Bromofluorobenzene		75-120		97 %			07/30/20	07/30/20 16:26	



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-1B**

**0073021-01 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.47		pH Units			1	07/31/20	07/31/20 08:55	AM
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	6.16		NTU	0.500	0.110	1	07/30/20	07/30/20 18:40	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:05	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:05	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Benzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:05	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-1B**

**0073021-01 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:05	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:05	GM
Isobutanol	ND		ug/L	100	100	1	08/03/20	08/03/20 15:05	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:05	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:05	GM
Styrene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Toluene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:05	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %	08/03/20		08/03/20 15:05		
Surrogate: Toluene-d8			75-120	90 %	08/03/20		08/03/20 15:05		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/03/20		08/03/20 15:05		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-1B**

**0073021-01 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/31/20	07/31/20 19:24	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 19:24	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>31200</b>		ug/L	500	500	1	07/31/20	08/03/20 11:52	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
<b>Barium</b>	<b>3.17</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
<b>Calcium</b>	<b>5460</b>		ug/L	80.0	80.0	1	07/31/20	08/03/20 11:52	KD
<b>Chromium</b>	<b>12.3</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
Cobalt	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
<b>Copper</b>	<b>2.40</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
<b>Iron</b>	<b>774</b>		ug/L	100	5.00	1	07/31/20	08/03/20 11:52	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
<b>Magnesium</b>	<b>4260</b>		ug/L	100	100	1	07/31/20	08/03/20 11:52	KD
<b>Manganese</b>	<b>19.1</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
Mercury	ND		ug/L	0.100	0.100	1	07/31/20	08/03/20 11:52	KD
<b>Nickel</b>	<b>7.21</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
<b>Potassium</b>	<b>1150</b>		ug/L	100	100	1	07/31/20	08/03/20 11:52	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
<b>Sodium</b>	<b>8000</b>		ug/L	100	100	1	07/31/20	08/03/20 11:52	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
<b>Vanadium</b>	<b>1.82</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 11:52	KD
<b>Zinc</b>	<b>4.69</b>		ug/L	4.00	4.00	1	07/31/20	08/03/20 11:52	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-1B**

**0073021-01 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	4.8		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:33	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	87.3		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	27.9		mg/L	2.3	2.3	1	08/03/20	08/04/20 11:13	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	75.0		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.11		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:22	FRD
Chloride	2.6		mg/L	0.5	0.5	1	07/31/20	07/31/20 17:47	SES
Nitrate (as N)	0.15	Ja	mg/L	0.20	0.10	1	07/31/20	07/31/20 17:47	SES
Sulfate	ND		mg/L	1.00	0.50	1	07/31/20	07/31/20 17:47	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	39.2		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB-11A**

**0073021-02 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.00		pH Units			1	07/31/20	07/31/20 08:55	AM
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	0.687		NTU	0.500	0.110	1	07/30/20	07/30/20 18:42	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:30	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:30	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>Benzene</b>	<b>1.8</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:30	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>Chlorobenzene</b>	<b>26.1</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>1,2-Dichlorobenzene</b>	<b>2.8</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>1,4-Dichlorobenzene</b>	<b>20.4</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>1,1-Dichloroethane</b>	<b>12.3</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>1,2-Dichloroethane</b>	<b>2.2</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>cis-1,2-Dichloroethene</b>	<b>66.4</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>trans-1,2-Dichloroethene</b>	<b>2.9</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>1,2-Dichloropropane</b>	<b>4.6</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB-11A**

**0073021-02 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:30	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:30	GM
Isobutanol	ND		ug/L	100	100	1	08/03/20	08/03/20 15:30	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.9</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:30	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:30	GM
Styrene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>Tetrachloroethene</b>	<b>2.7</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Toluene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>Trichloroethene</b>	<b>8.8</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
<b>Vinyl chloride</b>	<b>16.5</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:30	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	98 %	08/03/20		08/03/20 15:30		
Surrogate: Toluene-d8			75-120	89 %	08/03/20		08/03/20 15:30		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/03/20		08/03/20 15:30		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB-11A**

**0073021-02 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/31/20	07/31/20 19:50	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 19:50	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>663000</b>		ug/L	10000	10000	20	07/31/20	08/03/20 13:20	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
<b>Arsenic</b>	<b>1.10</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
<b>Barium</b>	<b>194</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
<b>Calcium</b>	<b>109000</b>		ug/L	1600	1600	20	07/31/20	08/03/20 13:20	KD
<b>Chromium</b>	<b>1.11</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
<b>Cobalt</b>	<b>40.1</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
<b>Copper</b>	<b>2.72</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
<b>Iron</b>	<b>1780</b>		ug/L	100	5.00	1	07/31/20	08/03/20 12:00	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
<b>Magnesium</b>	<b>95000</b>		ug/L	2000	2000	20	07/31/20	08/03/20 13:20	KD
<b>Manganese</b>	<b>14600</b>		ug/L	20.0	20.0	20	07/31/20	08/03/20 13:20	KD
<b>Mercury</b>	<b>0.312</b>		ug/L	0.100	0.100	1	07/31/20	08/03/20 12:00	KD
<b>Nickel</b>	<b>34.0</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
<b>Potassium</b>	<b>5920</b>		ug/L	100	100	1	07/31/20	08/03/20 12:00	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
<b>Sodium</b>	<b>136000</b>		ug/L	2000	2000	20	07/31/20	08/03/20 13:20	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:00	KD
<b>Zinc</b>	<b>18.8</b>		ug/L	4.00	4.00	1	07/31/20	08/03/20 12:00	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB-11A**

**0073021-02 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	52.7		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:33	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1980		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	3.4		mg/L	2.3	2.3	1	08/03/20	08/04/20 11:13	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	1050		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.54		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:24	FRD
Chloride	424		mg/L	25.0	25.0	50	07/31/20	08/01/20 12:15	SES
Nitrate (as N)	1.21		mg/L	0.20	0.10	1	07/31/20	07/31/20 18:38	SES
Sulfate	9.71		mg/L	1.00	0.50	1	07/31/20	07/31/20 18:38	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	349		mg/L	4.0	4.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
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08/27/20 14:36

**OB-11**

**0073021-03 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.81		pH Units			1	07/31/20	07/31/20 08:55	AM
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	ND		NTU	0.500	0.110	1	07/30/20	07/30/20 18:43	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:56	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:56	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
<b>Benzene</b>	<b>2.4</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:56	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
<b>Chlorobenzene</b>	<b>24.1</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
<b>1,2-Dichlorobenzene</b>	<b>2.9</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
<b>1,4-Dichlorobenzene</b>	<b>18.9</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
<b>1,1-Dichloroethane</b>	<b>11.4</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
<b>1,2-Dichloroethane</b>	<b>2.2</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
cis-1,2-Dichloroethene	85.5		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
trans-1,2-Dichloroethene	2.9		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
<b>1,2-Dichloropropane</b>	<b>4.4</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB-11**

**0073021-03 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:56	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:56	GM
Isobutanol	ND		ug/L	100	100	1	08/03/20	08/03/20 15:56	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.8</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:56	GM
<b>Methylene chloride</b>	<b>4.5</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 15:56	GM
Styrene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
<b>Tetrachloroethene</b>	<b>8.3</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Toluene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
<b>Trichloroethene</b>	<b>9.3</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
<b>Vinyl chloride</b>	<b>13.1</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 15:56	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	98 %	08/03/20		08/03/20 15:56		
Surrogate: Toluene-d8			75-120	89 %	08/03/20		08/03/20 15:56		
Surrogate: 4-Bromofluorobenzene			75-120	96 %	08/03/20		08/03/20 15:56		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB-11**

**0073021-03 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/31/20	07/31/20 20:15	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 20:15	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>668000</b>		ug/L	2500	2500	5	07/31/20	08/03/20 13:22	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
<b>Barium</b>	<b>30.3</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
<b>Cadmium</b>	<b>11.7</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
<b>Calcium</b>	<b>124000</b>		ug/L	400	400	5	07/31/20	08/03/20 13:22	KD
<b>Chromium</b>	<b>1.47</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
<b>Cobalt</b>	<b>1.85</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
<b>Copper</b>	<b>4.43</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
<b>Iron</b>	<b>52.6</b>	J	ug/L	100	5.00	1	07/31/20	08/03/20 12:02	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
<b>Magnesium</b>	<b>87200</b>		ug/L	500	500	5	07/31/20	08/03/20 13:22	KD
<b>Manganese</b>	<b>1390</b>		ug/L	5.00	5.00	5	07/31/20	08/03/20 13:22	KD
<b>Mercury</b>	<b>3.53</b>		ug/L	0.100	0.100	1	07/31/20	08/03/20 12:02	KD
<b>Nickel</b>	<b>33.8</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
<b>Potassium</b>	<b>5620</b>		ug/L	100	100	1	07/31/20	08/03/20 12:02	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
<b>Sodium</b>	<b>105000</b>		ug/L	500	500	5	07/31/20	08/03/20 13:22	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:02	KD
<b>Zinc</b>	<b>43.7</b>		ug/L	4.00	4.00	1	07/31/20	08/03/20 12:02	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB-11**

**0073021-03 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>42.4</b>		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:34	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>1900</b>		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>5.0</b>		mg/L	5.0	5.0	1	08/03/20	08/04/20 11:13	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>1020</b>		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:26	FRD
Chloride	429		mg/L	25.0	25.0	50	07/31/20	08/01/20 12:31	SES
Nitrate (as N)	1.03		mg/L	0.20	0.10	1	07/31/20	07/31/20 19:29	SES
Sulfate	11.7		mg/L	1.00	0.50	1	07/31/20	07/31/20 19:29	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>250</b>		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB025**

**0073021-04 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.20</b>		pH Units			1	07/31/20	07/31/20 08:55	AM
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>9.27</b>		NTU	0.500	0.110	1	07/30/20	07/30/20 18:44	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:21	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:21	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Benzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:21	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
<b>Chlorobenzene</b>	<b>3.6</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
<b>1,4-Dichlorobenzene</b>	<b>4.3</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
<b>1,1-Dichloroethane</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
<b>cis-1,2-Dichloroethene</b>	<b>8.2</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB025**

**0073021-04 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:21	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:21	GM
Isobutanol	ND		ug/L	100	100	1	08/03/20	08/03/20 16:21	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:21	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:21	GM
Styrene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Toluene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
<b>Vinyl chloride</b>	<b>3.8</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:21	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %			08/03/20	08/03/20 16:21	
Surrogate: Toluene-d8			75-120	90 %			08/03/20	08/03/20 16:21	
Surrogate: 4-Bromofluorobenzene			75-120	97 %			08/03/20	08/03/20 16:21	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB025**

**0073021-04 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/31/20	07/31/20 20:41	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 20:41	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>366000</b>		ug/L	500	500	1	07/31/20	08/03/20 12:05	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
<b>Barium</b>	<b>138</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
<b>Calcium</b>	<b>59100</b>		ug/L	80.0	80.0	1	07/31/20	08/03/20 12:05	KD
<b>Chromium</b>	<b>2.13</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
<b>Cobalt</b>	<b>36.5</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
<b>Copper</b>	<b>1.77</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
<b>Iron</b>	<b>2210</b>		ug/L	100	5.00	1	07/31/20	08/03/20 12:05	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
<b>Magnesium</b>	<b>53100</b>		ug/L	100	100	1	07/31/20	08/03/20 12:05	KD
<b>Manganese</b>	<b>24100</b>		ug/L	50.0	50.0	50	07/31/20	08/03/20 13:25	KD
Mercury	ND		ug/L	0.100	0.100	1	07/31/20	08/03/20 12:05	KD
<b>Nickel</b>	<b>16.1</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
<b>Potassium</b>	<b>15500</b>		ug/L	100	100	1	07/31/20	08/03/20 12:05	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
<b>Sodium</b>	<b>82500</b>		ug/L	100	100	1	07/31/20	08/03/20 12:05	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:05	KD
<b>Zinc</b>	<b>8.31</b>		ug/L	4.00	4.00	1	07/31/20	08/03/20 12:05	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB025**

**0073021-04 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	34.7		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:34	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1210		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	17.8		mg/L	2.3	2.3	1	08/03/20	08/04/20 11:13	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	682		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	3.65		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:28	FRD
Chloride	158		mg/L	12.5	12.5	25	07/31/20	08/01/20 12:48	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/31/20	07/31/20 19:45	SES
Sulfate	32.5		mg/L	1.00	0.50	1	07/31/20	07/31/20 19:45	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	329		mg/L	4.0	4.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-21B**

**0073021-05 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.27		pH Units			1	07/31/20	07/31/20 08:55	AM
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	135		NTU	5.00	1.10	10	07/30/20	07/30/20 18:50	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:47	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:47	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Benzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:47	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
<b>1,1-Dichloroethane</b>	<b>9.6</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
<b>cis-1,2-Dichloroethene</b>	<b>26.3</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-21B**

**0073021-05 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
<b>1,2-Dichloropropane</b>	<b>3.0</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:47	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:47	GM
Isobutanol	ND		ug/L	100	100	1	08/03/20	08/03/20 16:47	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:47	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 16:47	GM
Styrene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
<b>Tetrachloroethene</b>	<b>4.6</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Toluene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
<b>Trichloroethene</b>	<b>17.2</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
<b>Vinyl chloride</b>	<b>2.7</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 16:47	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	98 %	08/03/20		08/03/20 16:47		
Surrogate: Toluene-d8			75-120	90 %	08/03/20		08/03/20 16:47		
Surrogate: 4-Bromofluorobenzene			75-120	98 %	08/03/20		08/03/20 16:47		



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-21B**

**0073021-05 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/31/20	07/31/20 21:07	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 21:07	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>294000</b>		ug/L	500	500	1	07/31/20	08/03/20 12:07	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
<b>Arsenic</b>	<b>2.04</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
<b>Barium</b>	<b>113</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
<b>Calcium</b>	<b>63600</b>		ug/L	80.0	80.0	1	07/31/20	08/03/20 12:07	KD
<b>Chromium</b>	<b>3.02</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
<b>Cobalt</b>	<b>76.6</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
<b>Copper</b>	<b>3.00</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
<b>Iron</b>	<b>50100</b>		ug/L	100	5.00	1	07/31/20	08/03/20 12:07	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
<b>Magnesium</b>	<b>32800</b>		ug/L	100	100	1	07/31/20	08/03/20 12:07	KD
<b>Manganese</b>	<b>5150</b>		ug/L	10.0	10.0	10	07/31/20	08/03/20 13:27	KD
Mercury	ND		ug/L	0.100	0.100	1	07/31/20	08/03/20 12:07	KD
<b>Nickel</b>	<b>33.0</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
<b>Potassium</b>	<b>5310</b>		ug/L	100	100	1	07/31/20	08/03/20 12:07	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
<b>Sodium</b>	<b>69000</b>		ug/L	100	100	1	07/31/20	08/03/20 12:07	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:07	KD
<b>Zinc</b>	<b>10.7</b>		ug/L	4.00	4.00	1	07/31/20	08/03/20 12:07	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-21B**

**0073021-05 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	25.5		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:34	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1090		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	33.7		mg/L	2.3	2.3	1	08/03/20	08/04/20 11:13	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	567		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.42		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:30	FRD
Chloride	181		mg/L	12.5	12.5	25	07/31/20	08/01/20 13:05	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/31/20	07/31/20 20:02	SES
Sulfate	15.2		mg/L	1.00	0.50	1	07/31/20	07/31/20 20:02	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	247		mg/L	4.0	4.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-21A**

**0073021-06 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.31</b>		pH Units			1	07/31/20	07/31/20 08:55	AM
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>14.1</b>		NTU	0.500	0.110	1	07/30/20	07/30/20 18:52	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:12	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:12	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Benzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:12	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
<b>1,4-Dichlorobenzene</b>	<b>1.0</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
<b>1,1-Dichloroethane</b>	<b>3.9</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
<b>cis-1,2-Dichloroethene</b>	<b>12.8</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
<b>1,2-Dichloropropane</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-21A**

**0073021-06 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:12	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:12	GM
Isobutanol	ND		ug/L	100	100	1	08/03/20	08/03/20 17:12	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:12	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:12	GM
Styrene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
<b>Tetrachloroethene</b>	<b>2.3</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Toluene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
<b>Trichloroethene</b>	<b>7.7</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
<b>Vinyl chloride</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:12	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	103 %	08/03/20		08/03/20 17:12		
Surrogate: Toluene-d8			75-120	89 %	08/03/20		08/03/20 17:12		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/03/20		08/03/20 17:12		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-21A**

**0073021-06 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/31/20	07/31/20 21:32	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 21:32	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>321000</b>		ug/L	500	500	1	07/31/20	08/03/20 12:09	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
<b>Arsenic</b>	<b>1.60</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
<b>Barium</b>	<b>333</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
<b>Calcium</b>	<b>59800</b>		ug/L	80.0	80.0	1	07/31/20	08/03/20 12:09	KD
<b>Chromium</b>	<b>1.01</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
<b>Cobalt</b>	<b>75.9</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
<b>Copper</b>	<b>1.51</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
<b>Iron</b>	<b>11700</b>		ug/L	100	5.00	1	07/31/20	08/03/20 12:09	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
<b>Magnesium</b>	<b>41600</b>		ug/L	100	100	1	07/31/20	08/03/20 12:09	KD
<b>Manganese</b>	<b>10500</b>		ug/L	20.0	20.0	20	07/31/20	08/03/20 13:30	KD
Mercury	ND		ug/L	0.100	0.100	1	07/31/20	08/03/20 12:09	KD
<b>Nickel</b>	<b>12.8</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
<b>Potassium</b>	<b>22900</b>		ug/L	100	100	1	07/31/20	08/03/20 12:09	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
<b>Sodium</b>	<b>67100</b>		ug/L	100	100	1	07/31/20	08/03/20 12:09	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:09	KD
<b>Zinc</b>	<b>11.4</b>		ug/L	4.00	4.00	1	07/31/20	08/03/20 12:09	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-21A**

**0073021-06 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	32.8		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:34	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1100		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	72.0		mg/L	2.9	2.9	1	08/03/20	08/04/20 11:13	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	578		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	8.46		mg/L	1.00	0.50	10	08/03/20	08/03/20 12:36	FRD
Chloride	104		mg/L	5.0	5.0	10	07/31/20	08/01/20 13:22	SES
Nitrate (as N)	0.26		mg/L	0.20	0.10	1	07/31/20	07/31/20 20:19	SES
Sulfate	18.1		mg/L	1.00	0.50	1	07/31/20	07/31/20 20:19	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	379		mg/L	2.0	2.0	1	08/05/20	08/05/20 11:30	FRD



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-2B**

**0073021-07 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.39		pH Units			1	07/31/20	07/31/20 08:55	AM
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	1.11		NTU	0.500	0.110	1	07/30/20	07/30/20 18:56	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:37	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:37	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Benzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:37	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-2B**

**0073021-07 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:37	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:37	GM
Isobutanol	ND		ug/L	100	100	1	08/03/20	08/03/20 17:37	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:37	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 17:37	GM
Styrene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
<b>Tetrachloroethene</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Toluene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 17:37	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	104 %			08/03/20	08/03/20 17:37	
Surrogate: Toluene-d8			75-120	90 %			08/03/20	08/03/20 17:37	
Surrogate: 4-Bromofluorobenzene			75-120	95 %			08/03/20	08/03/20 17:37	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-2B**

**0073021-07 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	07/31/20	07/31/20 21:58	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 21:58	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>19200</b>		ug/L	500	500	1	07/31/20	08/03/20 12:12	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
<b>Barium</b>	<b>12.6</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
<b>Calcium</b>	<b>3390</b>		ug/L	80.0	80.0	1	07/31/20	08/03/20 12:12	KD
<b>Chromium</b>	<b>2.67</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
Cobalt	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
Copper	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
<b>Iron</b>	<b>49.8</b>	J	ug/L	100	5.00	1	07/31/20	08/03/20 12:12	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
<b>Magnesium</b>	<b>2620</b>		ug/L	100	100	1	07/31/20	08/03/20 12:12	KD
<b>Manganese</b>	<b>53.6</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
<b>Mercury</b>	<b>0.523</b>		ug/L	0.100	0.100	1	07/31/20	08/03/20 12:12	KD
Nickel	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
<b>Potassium</b>	<b>1400</b>		ug/L	100	100	1	07/31/20	08/03/20 12:12	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
<b>Sodium</b>	<b>4360</b>		ug/L	100	100	1	07/31/20	08/03/20 12:12	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:12	KD
Zinc	ND		ug/L	4.00	4.00	1	07/31/20	08/03/20 12:12	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-2B**

**0073021-07 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>11.2</b>		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:35	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>59.5</b>		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>3.9</b>		mg/L	2.3	2.3	1	08/03/20	08/04/20 11:13	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>51.5</b>		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/03/20	08/03/20 11:35	FRD
<b>Chloride</b>	<b>4.1</b>		mg/L	0.5	0.5	1	07/31/20	07/31/20 20:36	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/31/20	07/31/20 20:36	SES
Sulfate	ND		mg/L	1.00	0.50	1	07/31/20	07/31/20 20:36	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>16.6</b>		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB50**

**0073021-08 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.82		pH Units			1	07/31/20	07/31/20 08:55	AM
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	0.867		NTU	0.500	0.110	1	07/30/20	07/30/20 18:59	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:03	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:03	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>Benzene</b>	<b>2.6</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:03	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>Chlorobenzene</b>	<b>24.7</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>1,2-Dichlorobenzene</b>	<b>2.8</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>1,4-Dichlorobenzene</b>	<b>18.3</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>1,1-Dichloroethane</b>	<b>11.4</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>1,2-Dichloroethane</b>	<b>2.2</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>cis-1,2-Dichloroethene</b>	<b>84.8</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>trans-1,2-Dichloroethene</b>	<b>2.9</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>1,2-Dichloropropane</b>	<b>4.6</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB50**

**0073021-08 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:03	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:03	GM
Isobutanol	ND		ug/L	100	100	1	08/03/20	08/03/20 18:03	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.9</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:03	GM
<b>Methylene chloride</b>	<b>4.8</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:03	GM
Styrene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>Tetrachloroethene</b>	<b>8.6</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Toluene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>Trichloroethene</b>	<b>9.6</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
<b>Vinyl chloride</b>	<b>13.0</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:03	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	97 %	08/03/20		08/03/20 18:03		
Surrogate: Toluene-d8			75-120	90 %	08/03/20		08/03/20 18:03		
Surrogate: 4-Bromofluorobenzene			75-120	97 %	08/03/20		08/03/20 18:03		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB50**

**0073021-08 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/31/20	07/31/20 22:23	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 22:23	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>666000</b>		ug/L	2500	2500	5	07/31/20	08/03/20 13:32	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
<b>Barium</b>	<b>28.3</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
<b>Cadmium</b>	<b>12.2</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
<b>Calcium</b>	<b>122000</b>		ug/L	400	400	5	07/31/20	08/03/20 13:32	KD
<b>Chromium</b>	<b>1.67</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
<b>Cobalt</b>	<b>1.95</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
<b>Copper</b>	<b>4.41</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
<b>Iron</b>	<b>60.2</b>	J	ug/L	100	5.00	1	07/31/20	08/03/20 12:14	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
<b>Magnesium</b>	<b>87400</b>		ug/L	500	500	5	07/31/20	08/03/20 13:32	KD
<b>Manganese</b>	<b>1440</b>		ug/L	5.00	5.00	5	07/31/20	08/03/20 13:32	KD
<b>Mercury</b>	<b>3.33</b>		ug/L	0.100	0.100	1	07/31/20	08/03/20 12:14	KD
<b>Nickel</b>	<b>34.2</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
<b>Potassium</b>	<b>5390</b>		ug/L	100	100	1	07/31/20	08/03/20 12:14	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
<b>Sodium</b>	<b>104000</b>		ug/L	500	500	5	07/31/20	08/03/20 13:32	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:14	KD
<b>Zinc</b>	<b>42.3</b>		ug/L	4.00	4.00	1	07/31/20	08/03/20 12:14	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB50**

**0073021-08 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>54.5</b>		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:35	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>1910</b>		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>3.2</b>		mg/L	2.3	2.3	1	08/03/20	08/04/20 11:13	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>1040</b>		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
<b>Ammonia Nitrogen</b>	<b>ND</b>		mg/L	0.10	0.05	1	08/03/20	08/03/20 12:21	FRD
<b>Chloride</b>	<b>438</b>		mg/L	25.0	25.0	50	07/31/20	08/01/20 13:39	SES
<b>Nitrate (as N)</b>	<b>1.05</b>		mg/L	0.20	0.10	1	07/31/20	07/31/20 20:53	SES
<b>Sulfate</b>	<b>11.6</b>		mg/L	1.00	0.50	1	07/31/20	07/31/20 20:53	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>256</b>		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-2A**

**0073021-09 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.51		pH Units			1	07/31/20	07/31/20 08:55	AM
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	3.56		NTU	0.500	0.110	1	07/30/20	07/30/20 19:04	GEM
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:28	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:28	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Benzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:28	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-2A**

**0073021-09 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:28	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:28	GM
Isobutanol	ND		ug/L	100	100	1	08/03/20	08/03/20 18:28	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:28	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:28	GM
Styrene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
<b>Tetrachloroethene</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Toluene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:28	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	102 %			08/03/20	08/03/20 18:28	
Surrogate: Toluene-d8			75-120	90 %			08/03/20	08/03/20 18:28	
Surrogate: 4-Bromofluorobenzene			75-120	96 %			08/03/20	08/03/20 18:28	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-2A**

**0073021-09 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	07/31/20	07/31/20 22:49	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	07/31/20	07/31/20 22:49	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>17800</b>		ug/L	500	500	1	07/31/20	08/03/20 12:17	KD
Antimony	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
Arsenic	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
<b>Barium</b>	<b>11.3</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
Beryllium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
Cadmium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
<b>Calcium</b>	<b>3100</b>		ug/L	80.0	80.0	1	07/31/20	08/03/20 12:17	KD
<b>Chromium</b>	<b>3.47</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
Cobalt	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
<b>Copper</b>	<b>1.10</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
<b>Iron</b>	<b>180</b>		ug/L	100	5.00	1	07/31/20	08/03/20 12:17	KD
Lead	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
<b>Magnesium</b>	<b>2440</b>		ug/L	100	100	1	07/31/20	08/03/20 12:17	KD
<b>Manganese</b>	<b>34.4</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
<b>Mercury</b>	<b>0.347</b>		ug/L	0.100	0.100	1	07/31/20	08/03/20 12:17	KD
<b>Nickel</b>	<b>2.39</b>		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
<b>Potassium</b>	<b>1430</b>		ug/L	100	100	1	07/31/20	08/03/20 12:17	KD
Selenium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
Silver	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
<b>Sodium</b>	<b>4130</b>		ug/L	100	100	1	07/31/20	08/03/20 12:17	KD
Thallium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
Vanadium	ND		ug/L	1.00	1.00	1	07/31/20	08/03/20 12:17	KD
Zinc	ND		ug/L	4.00	4.00	1	07/31/20	08/03/20 12:17	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-2A**

**0073021-09 (Nonpotable Water)  
Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>3.6</b>		mg/L	3.0	3.0	1	07/31/20	07/31/20 13:35	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>53.9</b>		uS/cm			1	07/30/20	07/30/20 19:05	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>16.2</b>		mg/L	2.4	2.4	1	08/03/20	08/04/20 11:13	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>53.0</b>		mg/L	10.0	10.0	1	07/31/20	08/03/20 16:04	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/03/20	08/03/20 12:23	FRD
<b>Chloride</b>	<b>3.2</b>		mg/L	0.5	0.5	1	07/31/20	07/31/20 21:10	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	07/31/20	07/31/20 21:10	SES
<b>Sulfate</b>	<b>0.56</b>	Ja	mg/L	1.00	0.50	1	07/31/20	07/31/20 21:10	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>14.6</b>		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

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**0073021-10 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:54	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:54	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Benzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:54	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

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**0073021-10 (Nonpotable Water)**  
**Sample Date: 07/30/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:54	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:54	GM
Isobutanol	ND		ug/L	100	100	1	08/03/20	08/03/20 18:54	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:54	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/03/20	08/03/20 18:54	GM
Styrene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Toluene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/03/20	08/03/20 18:54	GM
Surrogate: 1,2-Dichloroethane-d4		70-130		103 %			08/03/20	08/03/20 18:54	
Surrogate: Toluene-d8		75-120		90 %			08/03/20	08/03/20 18:54	
Surrogate: 4-Bromofluorobenzene		75-120		95 %			08/03/20	08/03/20 18:54	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB12**

**0080306-01 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	1.93		pH Units			1	08/04/20	08/04/20 11:32	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	ND	O-04	NTU	0.500	0.110	1	08/04/20	08/05/20 12:30	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:32	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:32	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>Benzene</b>	<b>3.4</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:32	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>Chlorobenzene</b>	<b>3.8</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>1,2-Dichlorobenzene</b>	<b>1.1</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>1,4-Dichlorobenzene</b>	<b>12.3</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>1,1-Dichloroethane</b>	<b>15.2</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>1,2-Dichloroethane</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
cis-1,2-Dichloroethene	47.5		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
trans-1,2-Dichloroethene	2.8		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>1,2-Dichloropropane</b>	<b>10.3</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB12**

**0080306-01 (Nonpotable Water)**  
**Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:32	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:32	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 14:32	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.0</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:32	GM
<b>Methylene chloride</b>	<b>3.1</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:32	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>Tetrachloroethene</b>	<b>17.0</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>Trichloroethene</b>	<b>17.4</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>Trichlorofluoromethane (Freon 11)</b>	<b>1.7</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<b>Vinyl chloride</b>	<b>7.0</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:32	GM
<i>Surrogate: 1,2-Dichloroethane-d4</i>			70-130	106 %			08/04/20	08/04/20 14:32	
<i>Surrogate: Toluene-d8</i>			75-120	97 %			08/04/20	08/04/20 14:32	
<i>Surrogate: 4-Bromofluorobenzene</i>			75-120	91 %			08/04/20	08/04/20 14:32	



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB12**

**0080306-01 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/10/20	08/10/20 20:50	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/20	08/10/20 20:50	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>228000</b>		ug/L	500	500	1	08/03/20	08/04/20 09:58	KD
Antimony	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
<b>Barium</b>	<b>18.7</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
<b>Calcium</b>	<b>40000</b>		ug/L	80.0	80.0	1	08/03/20	08/04/20 09:58	KD
<b>Chromium</b>	<b>1.48</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
Cobalt	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
Copper	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
<b>Iron</b>	<b>52.8</b>	J	ug/L	100	5.00	1	08/03/20	08/04/20 09:58	KD
Lead	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
<b>Magnesium</b>	<b>31000</b>		ug/L	100	100	1	08/03/20	08/04/20 09:58	KD
<b>Manganese</b>	<b>179</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
Mercury	ND		ug/L	0.100	0.100	1	08/03/20	08/04/20 09:58	KD
<b>Nickel</b>	<b>9.53</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
<b>Potassium</b>	<b>6540</b>		ug/L	100	100	1	08/03/20	08/04/20 09:58	KD
Selenium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
Silver	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
<b>Sodium</b>	<b>33500</b>		ug/L	100	100	1	08/03/20	08/04/20 09:58	KD
Thallium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
Vanadium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 09:58	KD
<b>Zinc</b>	<b>4.66</b>		ug/L	4.00	4.00	1	08/03/20	08/04/20 09:58	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB12**

**0080306-01 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	15.9		mg/L	3.0	3.0	1	08/04/20	08/04/20 15:40	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	5890		uS/cm			1	08/05/20	08/05/20 13:00	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	ND		mg/L	2.3	2.3	1	08/04/20	08/05/20 11:56	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	385		mg/L	10.0	10.0	1	08/06/20	08/07/20 16:20	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:05	FRD
Chloride	91.3		mg/L	5.0	5.0	10	08/05/20	08/05/20 17:23	SES
Nitrate (as N)	0.35		mg/L	0.20	0.10	1	08/04/20	08/04/20 17:50	SES
Sulfate	16.0		mg/L	1.00	0.50	1	08/04/20	08/04/20 17:50	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	152		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST015**

**0080306-02 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	7.14		pH Units			1	08/04/20	08/04/20 11:32	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	2.50	O-04	NTU	0.500	0.110	1	08/04/20	08/05/20 12:31	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:58	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:58	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Benzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:58	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**ST015**

**0080306-02 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:58	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:58	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 14:58	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:58	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 14:58	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 14:58	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	08/04/20		08/04/20 14:58		
Surrogate: Toluene-d8			75-120	97 %	08/04/20		08/04/20 14:58		
Surrogate: 4-Bromofluorobenzene			75-120	91 %	08/04/20		08/04/20 14:58		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST015**

**0080306-02 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/10/20	08/10/20 21:16	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/20	08/10/20 21:16	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>158000</b>		ug/L	500	500	1	08/03/20	08/04/20 10:01	KD
Antimony	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
<b>Barium</b>	<b>76.8</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
<b>Calcium</b>	<b>32400</b>		ug/L	80.0	80.0	1	08/03/20	08/04/20 10:01	KD
Chromium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
Cobalt	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
<b>Copper</b>	<b>1.01</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
<b>Iron</b>	<b>306</b>		ug/L	100	5.00	1	08/03/20	08/04/20 10:01	KD
Lead	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
<b>Magnesium</b>	<b>18800</b>		ug/L	100	100	1	08/03/20	08/04/20 10:01	KD
<b>Manganese</b>	<b>186</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
Mercury	ND		ug/L	0.100	0.100	1	08/03/20	08/04/20 10:01	KD
<b>Nickel</b>	<b>5.47</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
<b>Potassium</b>	<b>2200</b>		ug/L	100	100	1	08/03/20	08/04/20 10:01	KD
Selenium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
Silver	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
<b>Sodium</b>	<b>30300</b>		ug/L	100	100	1	08/03/20	08/04/20 10:01	KD
Thallium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
<b>Vanadium</b>	<b>1.15</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:01	KD
<b>Zinc</b>	<b>8.17</b>		ug/L	4.00	4.00	1	08/03/20	08/04/20 10:01	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST015**

**0080306-02 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>16.6</b>		mg/L	3.0	3.0	1	08/04/20	08/04/20 15:41	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>504</b>		uS/cm			1	08/05/20	08/05/20 13:00	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>4.7</b>		mg/L	2.3	2.3	1	08/04/20	08/05/20 11:56	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>310</b>		mg/L	10.0	10.0	1	08/06/20	08/07/20 16:20	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:12	FRD
Chloride	94.3		mg/L	5.0	5.0	10	08/05/20	08/05/20 18:14	SES
Nitrate (as N)	1.33		mg/L	0.20	0.10	1	08/04/20	08/04/20 18:41	SES
Sulfate	13.2		mg/L	1.00	0.50	1	08/04/20	08/04/20 18:41	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>74.6</b>		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB015**

**0080306-03 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.76		pH Units			1	08/04/20	08/04/20 11:32	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	31.2	O-04	NTU	0.500	0.110	1	08/04/20	08/05/20 12:32	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:23	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:23	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Benzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:23	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB015**

**0080306-03 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:23	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:23	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 15:23	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:23	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:23	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:23	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %	08/04/20		08/04/20 15:23		
Surrogate: Toluene-d8			75-120	97 %	08/04/20		08/04/20 15:23		
Surrogate: 4-Bromofluorobenzene			75-120	92 %	08/04/20		08/04/20 15:23		



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB015**

**0080306-03 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/10/20	08/10/20 21:42	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/20	08/10/20 21:42	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>105000</b>		ug/L	500	500	1	08/03/20	08/04/20 10:36	KD
Antimony	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
<b>Barium</b>	<b>65.7</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
<b>Calcium</b>	<b>9830</b>		ug/L	80.0	80.0	1	08/03/20	08/04/20 10:36	KD
<b>Chromium</b>	<b>3.83</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
Cobalt	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
<b>Copper</b>	<b>4.02</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
<b>Iron</b>	<b>5820</b>		ug/L	100	5.00	1	08/03/20	08/04/20 10:36	KD
Lead	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
<b>Magnesium</b>	<b>19400</b>		ug/L	100	100	1	08/03/20	08/04/20 10:36	KD
<b>Manganese</b>	<b>66.2</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
Mercury	ND		ug/L	0.100	0.100	1	08/03/20	08/04/20 10:36	KD
<b>Nickel</b>	<b>8.18</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
<b>Potassium</b>	<b>1880</b>		ug/L	100	100	1	08/03/20	08/04/20 10:36	KD
Selenium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
Silver	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
<b>Sodium</b>	<b>24600</b>		ug/L	100	100	1	08/03/20	08/04/20 10:36	KD
Thallium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
Vanadium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:36	KD
<b>Zinc</b>	<b>27.0</b>		ug/L	4.00	4.00	1	08/03/20	08/04/20 10:36	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB015**

**0080306-03 (Nonpotable Water)**  
**Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>8.9</b>		mg/L	3.0	3.0	1	08/04/20	08/04/20 15:41	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>307</b>		uS/cm			1	08/05/20	08/05/20 13:00	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>18.8</b>		mg/L	5.8	5.8	1	08/04/20	08/05/20 11:56	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>185</b>		mg/L	10.0	10.0	1	08/06/20	08/07/20 16:20	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:14	FRD
Chloride	8.3		mg/L	0.5	0.5	1	08/04/20	08/04/20 18:57	SES
Nitrate (as N)	0.78		mg/L	0.20	0.10	1	08/04/20	08/04/20 18:57	SES
Sulfate	58.4		mg/L	1.00	0.50	1	08/04/20	08/04/20 18:57	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>63.1</b>		mg/L	2.0	2.0	1	08/05/20	08/05/20 11:30	FRD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-23A**

**0080306-04 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.37		pH Units			1	08/04/20	08/04/20 11:32	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	37.4	O-04	NTU	0.500	0.110	1	08/04/20	08/05/20 12:34	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	7.1		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:48	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:48	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Benzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:48	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
cis-1,2-Dichloroethene	2.7		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-23A**

**0080306-04 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:48	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:48	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 15:48	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:48	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 15:48	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
<b>Tetrachloroethene</b>	<b>1.9</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 15:48	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %			08/04/20	08/04/20 15:48	
Surrogate: Toluene-d8			75-120	97 %			08/04/20	08/04/20 15:48	
Surrogate: 4-Bromofluorobenzene			75-120	94 %			08/04/20	08/04/20 15:48	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-23A**

**0080306-04 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/10/20	08/10/20 22:07	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/20	08/10/20 22:07	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>179000</b>		ug/L	500	500	1	08/03/20	08/04/20 10:38	KD
Antimony	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
<b>Barium</b>	<b>6.40</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
<b>Calcium</b>	<b>21200</b>		ug/L	80.0	80.0	1	08/03/20	08/04/20 10:38	KD
<b>Chromium</b>	<b>4.03</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
<b>Cobalt</b>	<b>3.53</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
<b>Copper</b>	<b>4.10</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
<b>Iron</b>	<b>6140</b>		ug/L	100	5.00	1	08/03/20	08/04/20 10:38	KD
Lead	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
<b>Magnesium</b>	<b>30600</b>		ug/L	100	100	1	08/03/20	08/04/20 10:38	KD
<b>Manganese</b>	<b>484</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
Mercury	ND		ug/L	0.100	0.100	1	08/03/20	08/04/20 10:38	KD
<b>Nickel</b>	<b>5.50</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
<b>Potassium</b>	<b>2140</b>		ug/L	100	100	1	08/03/20	08/04/20 10:38	KD
Selenium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
Silver	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
<b>Sodium</b>	<b>19700</b>		ug/L	100	100	1	08/03/20	08/04/20 10:38	KD
Thallium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
Vanadium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:38	KD
<b>Zinc</b>	<b>17.1</b>		ug/L	4.00	4.00	1	08/03/20	08/04/20 10:38	KD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-23A**

**0080306-04 (Nonpotable Water)**  
**Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>16.7</b>		mg/L	3.0	3.0	1	08/04/20	08/04/20 15:41	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>486</b>		uS/cm			1	08/05/20	08/05/20 13:00	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>188</b>		mg/L	3.2	3.2	1	08/04/20	08/05/20 11:56	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>277</b>		mg/L	10.0	10.0	1	08/06/20	08/07/20 16:20	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:16	FRD
Chloride	94.1		mg/L	5.0	5.0	10	08/05/20	08/05/20 18:31	SES
Nitrate (as N)	0.45		mg/L	0.20	0.10	1	08/04/20	08/04/20 19:14	SES
Sulfate	11.9		mg/L	1.00	0.50	1	08/04/20	08/04/20 19:14	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>69.6</b>		mg/L	2.0	2.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-23B**

**0080306-05 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.30		pH Units			1	08/04/20	08/04/20 11:32	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	82.0	O-04	NTU	2.50	0.550	5	08/04/20	08/05/20 12:43	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:13	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:13	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Benzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:13	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
<b>cis-1,2-Dichloroethene</b>	<b>4.7</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-23B**

**0080306-05 (Nonpotable Water)**  
**Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:13	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:13	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 16:13	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:13	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:13	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
<b>Tetrachloroethene</b>	<b>2.6</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
<b>Trichloroethene</b>	<b>1.3</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:13	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %			08/04/20	08/04/20 16:13	
Surrogate: Toluene-d8			75-120	98 %			08/04/20	08/04/20 16:13	
Surrogate: 4-Bromofluorobenzene			75-120	94 %			08/04/20	08/04/20 16:13	



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-23B**

**0080306-05 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/10/20	08/10/20 22:33	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/20	08/10/20 22:33	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>122000</b>		ug/L	500	500	1	08/03/20	08/04/20 10:41	KD
Antimony	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
<b>Barium</b>	<b>149</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
<b>Calcium</b>	<b>15700</b>		ug/L	80.0	80.0	1	08/03/20	08/04/20 10:41	KD
<b>Chromium</b>	<b>15.7</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
<b>Cobalt</b>	<b>5.15</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
<b>Copper</b>	<b>2.23</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
<b>Iron</b>	<b>5040</b>		ug/L	100	5.00	1	08/03/20	08/04/20 10:41	KD
<b>Lead</b>	<b>3.07</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
<b>Magnesium</b>	<b>20200</b>		ug/L	100	100	1	08/03/20	08/04/20 10:41	KD
<b>Manganese</b>	<b>101</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
<b>Mercury</b>	<b>0.628</b>		ug/L	0.100	0.100	1	08/03/20	08/04/20 10:41	KD
<b>Nickel</b>	<b>11.7</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
<b>Potassium</b>	<b>3630</b>		ug/L	100	100	1	08/03/20	08/04/20 10:41	KD
<b>Selenium</b>	<b>1.23</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
Silver	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
<b>Sodium</b>	<b>28500</b>		ug/L	100	100	1	08/03/20	08/04/20 10:41	KD
Thallium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
<b>Vanadium</b>	<b>7.79</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:41	KD
<b>Zinc</b>	<b>23.3</b>		ug/L	4.00	4.00	1	08/03/20	08/04/20 10:41	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-23B**

**0080306-05 (Nonpotable Water)**  
**Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>19.9</b>		mg/L	3.0	3.0	1	08/04/20	08/04/20 15:41	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>412</b>		uS/cm			1	08/05/20	08/05/20 13:00	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>1670</b>		mg/L	9.3	9.3	1	08/04/20	08/05/20 11:56	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>256</b>		mg/L	10.0	10.0	1	08/06/20	08/07/20 16:20	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
<b>Ammonia Nitrogen</b>	<b>ND</b>		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:18	FRD
<b>Chloride</b>	<b>92.8</b>		mg/L	5.0	5.0	10	08/05/20	08/05/20 18:48	SES
<b>Nitrate (as N)</b>	<b>3.55</b>		mg/L	0.20	0.10	1	08/04/20	08/04/20 19:31	SES
<b>Sulfate</b>	<b>4.05</b>		mg/L	1.00	0.50	1	08/04/20	08/04/20 19:31	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>20.2</b>		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-4**

**0080306-06 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.83		pH Units			1	08/04/20	08/04/20 11:32	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	33.2	O-04	NTU	0.500	0.110	1	08/04/20	08/05/20 12:56	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:39	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:39	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Benzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:39	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-4**

**0080306-06 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:39	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:39	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 16:39	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:39	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 16:39	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 16:39	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	109 %	08/04/20		08/04/20 16:39		
Surrogate: Toluene-d8			75-120	96 %	08/04/20		08/04/20 16:39		
Surrogate: 4-Bromofluorobenzene			75-120	93 %	08/04/20		08/04/20 16:39		



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-4**

**0080306-06 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/10/20	08/10/20 23:00	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/20	08/10/20 23:00	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>203000</b>		ug/L	500	500	1	08/03/20	08/04/20 10:48	KD
Antimony	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
<b>Barium</b>	<b>46.3</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
<b>Calcium</b>	<b>36100</b>		ug/L	80.0	80.0	1	08/03/20	08/04/20 10:48	KD
<b>Chromium</b>	<b>5.51</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
<b>Cobalt</b>	<b>1.18</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
<b>Copper</b>	<b>2.35</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
<b>Iron</b>	<b>3410</b>		ug/L	100	5.00	1	08/03/20	08/04/20 10:48	KD
<b>Lead</b>	<b>1.23</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
<b>Magnesium</b>	<b>27300</b>		ug/L	100	100	1	08/03/20	08/04/20 10:48	KD
<b>Manganese</b>	<b>115</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
Mercury	ND		ug/L	0.100	0.100	1	08/03/20	08/04/20 10:48	KD
<b>Nickel</b>	<b>4.38</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
<b>Potassium</b>	<b>3450</b>		ug/L	100	100	1	08/03/20	08/04/20 10:48	KD
Selenium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
Silver	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
<b>Sodium</b>	<b>33000</b>		ug/L	100	100	1	08/03/20	08/04/20 10:48	KD
Thallium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
<b>Vanadium</b>	<b>1.87</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:48	KD
<b>Zinc</b>	<b>14.4</b>		ug/L	4.00	4.00	1	08/03/20	08/04/20 10:48	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-4**

**0080306-06 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>26.6</b>		mg/L	3.0	3.0	1	08/04/20	08/04/20 15:42	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>638</b>		uS/cm			1	08/05/20	08/05/20 13:00	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>107</b>		mg/L	4.5	4.5	1	08/04/20	08/05/20 11:56	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>365</b>		mg/L	10.0	10.0	1	08/06/20	08/07/20 16:20	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
<b>Ammonia Nitrogen</b>	<b>ND</b>		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:21	FRD
<b>Chloride</b>	<b>158</b>		mg/L	12.5	12.5	25	08/05/20	08/05/20 19:04	SES
<b>Nitrate (as N)</b>	<b>0.68</b>		mg/L	0.20	0.10	1	08/04/20	08/04/20 19:48	SES
<b>Sulfate</b>	<b>4.57</b>		mg/L	1.00	0.50	1	08/04/20	08/04/20 19:48	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>43.0</b>		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**ST70**

**0080306-07 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	7.41		pH Units			1	08/04/20	08/04/20 11:32	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	1.91		NTU	0.500	0.110	1	08/04/20	08/05/20 12:57	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:04	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:04	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Benzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:04	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST70**

**0080306-07 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:04	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:04	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 17:04	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:04	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:04	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:04	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	106 %	08/04/20		08/04/20 17:04		
Surrogate: Toluene-d8			75-120	97 %	08/04/20		08/04/20 17:04		
Surrogate: 4-Bromofluorobenzene			75-120	92 %	08/04/20		08/04/20 17:04		



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST70**

**0080306-07 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/10/20	08/10/20 23:27	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/20	08/10/20 23:27	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>194000</b>		ug/L	500	500	1	08/03/20	08/04/20 10:50	KD
Antimony	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
<b>Barium</b>	<b>76.0</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
<b>Calcium</b>	<b>46600</b>		ug/L	80.0	80.0	1	08/03/20	08/04/20 10:50	KD
<b>Chromium</b>	<b>24.3</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
Cobalt	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
<b>Copper</b>	<b>2.78</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
<b>Iron</b>	<b>439</b>		ug/L	100	5.00	1	08/03/20	08/04/20 10:50	KD
Lead	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
<b>Magnesium</b>	<b>19000</b>		ug/L	100	100	1	08/03/20	08/04/20 10:50	KD
<b>Manganese</b>	<b>192</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
Mercury	ND		ug/L	0.100	0.100	1	08/03/20	08/04/20 10:50	KD
<b>Nickel</b>	<b>4.93</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
<b>Potassium</b>	<b>11800</b>		ug/L	100	100	1	08/03/20	08/04/20 10:50	KD
Selenium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
Silver	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
<b>Sodium</b>	<b>40000</b>		ug/L	100	100	1	08/03/20	08/04/20 10:50	KD
Thallium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
<b>Vanadium</b>	<b>1.18</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:50	KD
<b>Zinc</b>	<b>11.4</b>		ug/L	4.00	4.00	1	08/03/20	08/04/20 10:50	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST70**

**0080306-07 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	26.1		mg/L	3.0	3.0	1	08/04/20	08/04/20 15:42	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	657		uS/cm			1	08/05/20	08/05/20 13:00	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	71.4		mg/L	2.2	2.2	1	08/04/20	08/05/20 11:56	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	407		mg/L	10.0	10.0	1	08/06/20	08/07/20 16:20	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.10		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:27	FRD
Chloride	106		mg/L	5.0	5.0	10	08/05/20	08/05/20 19:21	SES
Nitrate (as N)	0.97		mg/L	0.20	0.10	1	08/04/20	08/04/20 20:39	SES
Sulfate	43.8		mg/L	1.00	0.50	1	08/04/20	08/04/20 20:39	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	100		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB10**

**0080306-08 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.03		pH Units			1	08/04/20	08/04/20 11:32	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	1.53		NTU	0.500	0.110	1	08/04/20	08/05/20 12:59	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:29	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:29	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
<b>Benzene</b>	<b>2.5</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:29	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
<b>Chlorobenzene</b>	<b>5.4</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
<b>1,4-Dichlorobenzene</b>	<b>11.3</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
<b>1,1-Dichloroethane</b>	<b>2.0</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
<b>cis-1,2-Dichloroethene</b>	<b>40.6</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
<b>trans-1,2-Dichloroethene</b>	<b>2.3</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
<b>1,2-Dichloropropane</b>	<b>2.9</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB10**

**0080306-08 (Nonpotable Water)**  
**Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:29	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:29	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 17:29	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:29	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:29	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
<b>Trichloroethene</b>	<b>2.5</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
<b>Vinyl chloride</b>	<b>27.3</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:29	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %			08/04/20	08/04/20 17:29	
Surrogate: Toluene-d8			75-120	97 %			08/04/20	08/04/20 17:29	
Surrogate: 4-Bromofluorobenzene			75-120	93 %			08/04/20	08/04/20 17:29	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB10**

**0080306-08 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/10/20	08/10/20 23:53	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/20	08/10/20 23:53	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>428000</b>		ug/L	500	500	1	08/03/20	08/04/20 10:53	KD
Antimony	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
<b>Barium</b>	<b>143</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
<b>Calcium</b>	<b>76800</b>		ug/L	80.0	80.0	1	08/03/20	08/04/20 10:53	KD
<b>Chromium</b>	<b>1.08</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
<b>Cobalt</b>	<b>28.7</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
<b>Copper</b>	<b>1.42</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
<b>Iron</b>	<b>2560</b>		ug/L	100	5.00	1	08/03/20	08/04/20 10:53	KD
Lead	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
<b>Magnesium</b>	<b>57400</b>		ug/L	100	100	1	08/03/20	08/04/20 10:53	KD
<b>Manganese</b>	<b>15300</b>		ug/L	20.0	20.0	20	08/03/20	08/04/20 11:15	KD
Mercury	ND		ug/L	0.100	0.100	1	08/03/20	08/04/20 10:53	KD
<b>Nickel</b>	<b>29.4</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
<b>Potassium</b>	<b>4500</b>		ug/L	100	100	1	08/03/20	08/04/20 10:53	KD
Selenium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
Silver	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
<b>Sodium</b>	<b>32300</b>		ug/L	100	100	1	08/03/20	08/04/20 10:53	KD
Thallium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
Vanadium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:53	KD
<b>Zinc</b>	<b>5.88</b>		ug/L	4.00	4.00	1	08/03/20	08/04/20 10:53	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB10**

**0080306-08 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>19.4</b>		mg/L	3.0	3.0	1	08/04/20	08/04/20 15:42	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>1180</b>		uS/cm			1	08/05/20	08/05/20 13:00	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>18.5</b>		mg/L	2.3	2.3	1	08/04/20	08/05/20 11:56	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>659</b>		mg/L	10.0	10.0	1	08/06/20	08/07/20 16:20	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:29	FRD
<b>Chloride</b>	<b>269</b>		mg/L	12.5	12.5	25	08/05/20	08/05/20 20:12	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	08/04/20	08/04/20 20:56	SES
<b>Sulfate</b>	<b>1.52</b>		mg/L	1.00	0.50	1	08/04/20	08/04/20 20:56	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>161</b>		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST80**

**0080306-09 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	7.40		pH Units			1	08/04/20	08/04/20 11:32	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	6.82		NTU	0.500	0.110	1	08/04/20	08/05/20 13:00	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:55	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:55	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Benzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:55	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**ST80**

**0080306-09 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:55	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:55	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 17:55	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:55	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 17:55	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 17:55	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %	08/04/20		08/04/20 17:55		
Surrogate: Toluene-d8			75-120	97 %	08/04/20		08/04/20 17:55		
Surrogate: 4-Bromofluorobenzene			75-120	91 %	08/04/20		08/04/20 17:55		



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST80**

**0080306-09 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/10/20	08/11/20 00:19	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/20	08/11/20 00:19	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>85100</b>		ug/L	500	500	1	08/03/20	08/04/20 10:55	KD
Antimony	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
<b>Barium</b>	<b>41.1</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
<b>Calcium</b>	<b>15700</b>		ug/L	80.0	80.0	1	08/03/20	08/04/20 10:55	KD
Chromium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
Cobalt	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
Copper	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
<b>Iron</b>	<b>1090</b>		ug/L	100	5.00	1	08/03/20	08/04/20 10:55	KD
Lead	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
<b>Magnesium</b>	<b>11100</b>		ug/L	100	100	1	08/03/20	08/04/20 10:55	KD
<b>Manganese</b>	<b>473</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
Mercury	ND		ug/L	0.100	0.100	1	08/03/20	08/04/20 10:55	KD
<b>Nickel</b>	<b>2.91</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
<b>Potassium</b>	<b>3030</b>		ug/L	100	100	1	08/03/20	08/04/20 10:55	KD
Selenium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
Silver	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
<b>Sodium</b>	<b>18000</b>		ug/L	100	100	1	08/03/20	08/04/20 10:55	KD
Thallium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
Vanadium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:55	KD
<b>Zinc</b>	<b>4.23</b>		ug/L	4.00	4.00	1	08/03/20	08/04/20 10:55	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**ST80**

**0080306-09 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	40.4		mg/L	3.0	3.0	1	08/04/20	08/04/20 15:43	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	281		uS/cm			1	08/05/20	08/05/20 13:00	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	3.6		mg/L	2.5	2.5	1	08/04/20	08/05/20 11:56	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	192		mg/L	10.0	10.0	1	08/06/20	08/07/20 16:20	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.23		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:31	FRD
Chloride	49.8		mg/L	5.0	5.0	10	08/05/20	08/05/20 20:29	SES
Nitrate (as N)	0.57		mg/L	0.20	0.10	1	08/04/20	08/04/20 21:12	SES
Sulfate	4.92		mg/L	1.00	0.50	1	08/04/20	08/04/20 21:12	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	48.8		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:  
08/27/20 14:36

**MW-16B**

**0080306-10 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.05</b>		pH Units			1	08/04/20	08/04/20 11:32	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>0.644</b>		NTU	0.500	0.110	1	08/04/20	08/05/20 13:08	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:20	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:20	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Benzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:20	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
<b>Chlorobenzene</b>	<b>9.9</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
<b>1,4-Dichlorobenzene</b>	<b>4.3</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-16B**

**0080306-10 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:20	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:20	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 18:20	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:20	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:20	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:20	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	109 %	08/04/20		08/04/20 18:20		
Surrogate: Toluene-d8			75-120	97 %	08/04/20		08/04/20 18:20		
Surrogate: 4-Bromofluorobenzene			75-120	93 %	08/04/20		08/04/20 18:20		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-16B**

**0080306-10 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/10/20	08/11/20 00:45	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/20	08/11/20 00:45	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>354000</b>		ug/L	500	500	1	08/03/20	08/04/20 10:57	KD
Antimony	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
<b>Barium</b>	<b>31.2</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
<b>Calcium</b>	<b>56400</b>		ug/L	80.0	80.0	1	08/03/20	08/04/20 10:57	KD
<b>Chromium</b>	<b>6.51</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
<b>Cobalt</b>	<b>10.2</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
<b>Copper</b>	<b>2.55</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
<b>Iron</b>	<b>106</b>		ug/L	100	5.00	1	08/03/20	08/04/20 10:57	KD
Lead	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
<b>Magnesium</b>	<b>51700</b>		ug/L	100	100	1	08/03/20	08/04/20 10:57	KD
<b>Manganese</b>	<b>11700</b>		ug/L	20.0	20.0	20	08/03/20	08/04/20 11:17	KD
Mercury	ND		ug/L	0.100	0.100	1	08/03/20	08/04/20 10:57	KD
<b>Nickel</b>	<b>24.4</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
<b>Potassium</b>	<b>3850</b>		ug/L	100	100	1	08/03/20	08/04/20 10:57	KD
Selenium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
Silver	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
<b>Sodium</b>	<b>37700</b>		ug/L	100	100	1	08/03/20	08/04/20 10:57	KD
Thallium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
Vanadium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 10:57	KD
<b>Zinc</b>	<b>12.2</b>		ug/L	4.00	4.00	1	08/03/20	08/04/20 10:57	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-16B**

**0080306-10 (Nonpotable Water)**  
**Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>46.0</b>		mg/L	3.0	3.0	1	08/04/20	08/04/20 15:43	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>992</b>		uS/cm			1	08/05/20	08/05/20 13:00	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>3.7</b>		mg/L	2.3	2.3	1	08/04/20	08/05/20 11:56	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>529</b>		mg/L	10.0	10.0	1	08/06/20	08/07/20 16:20	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
<b>Ammonia Nitrogen</b>	<b>ND</b>		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:34	FRD
<b>Chloride</b>	<b>208</b>		mg/L	12.5	12.5	25	08/05/20	08/05/20 20:46	SES
<b>Nitrate (as N)</b>	<b>0.99</b>		mg/L	0.20	0.10	1	08/04/20	08/04/20 21:29	SES
<b>Sulfate</b>	<b>5.83</b>		mg/L	1.00	0.50	1	08/04/20	08/04/20 21:29	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>144</b>		mg/L	1.0	1.0	1	08/05/20	08/05/20 11:30	FRD



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-16A**

**0080306-11 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.44</b>		pH Units			1	08/04/20	08/04/20 11:32	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>389</b>		NTU	5.00	1.10	10	08/04/20	08/05/20 13:15	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:45	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:45	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Benzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:45	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
<b>Chlorobenzene</b>	<b>4.7</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
<b>1,4-Dichlorobenzene</b>	<b>2.0</b>		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-16A**

**0080306-11 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:45	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:45	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 18:45	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:45	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 18:45	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 18:45	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	109 %	08/04/20		08/04/20 18:45		
Surrogate: Toluene-d8			75-120	96 %	08/04/20		08/04/20 18:45		
Surrogate: 4-Bromofluorobenzene			75-120	93 %	08/04/20		08/04/20 18:45		



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-16A**

**0080306-11 (Nonpotable Water)  
Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/10/20	08/11/20 01:12	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/10/20	08/11/20 01:12	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>203000</b>		ug/L	500	500	1	08/03/20	08/04/20 11:00	KD
Antimony	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Arsenic</b>	<b>4.89</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Barium</b>	<b>358</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Beryllium</b>	<b>1.12</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Calcium</b>	<b>20800</b>		ug/L	80.0	80.0	1	08/03/20	08/04/20 11:00	KD
<b>Chromium</b>	<b>63.1</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Cobalt</b>	<b>18.1</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Copper</b>	<b>78.7</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Iron</b>	<b>20400</b>		ug/L	100	5.00	1	08/03/20	08/04/20 11:00	KD
<b>Lead</b>	<b>10.6</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Magnesium</b>	<b>36600</b>		ug/L	100	100	1	08/03/20	08/04/20 11:00	KD
<b>Manganese</b>	<b>11000</b>		ug/L	20.0	20.0	20	08/03/20	08/04/20 11:20	KD
<b>Mercury</b>	<b>0.332</b>		ug/L	0.100	0.100	1	08/03/20	08/04/20 11:00	KD
<b>Nickel</b>	<b>57.4</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Potassium</b>	<b>6480</b>		ug/L	100	100	1	08/03/20	08/04/20 11:00	KD
<b>Selenium</b>	<b>4.16</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
Silver	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Sodium</b>	<b>78800</b>		ug/L	100	100	1	08/03/20	08/04/20 11:00	KD
Thallium	ND		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Vanadium</b>	<b>14.2</b>		ug/L	1.00	1.00	1	08/03/20	08/04/20 11:00	KD
<b>Zinc</b>	<b>136</b>		ug/L	4.00	4.00	1	08/03/20	08/04/20 11:00	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-16A**

**0080306-11 (Nonpotable Water)**  
**Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	40.9		mg/L	3.0	3.0	1	08/04/20	08/04/20 15:43	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	718		uS/cm			1	08/05/20	08/05/20 13:00	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	393		mg/L	14.7	14.7	1	08/04/20	08/05/20 11:56	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	448		mg/L	10.0	10.0	1	08/06/20	08/07/20 16:20	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.12		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:36	FRD
Chloride	64.5		mg/L	5.0	5.0	10	08/05/20	08/05/20 21:02	SES
Nitrate (as N)	7.84		mg/L	0.20	0.10	1	08/04/20	08/04/20 21:46	SES
Sulfate	20.0		mg/L	1.00	0.50	1	08/04/20	08/04/20 21:46	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	215		mg/L	2.0	2.0	1	08/05/20	08/05/20 11:30	FRD



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Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**TRIP BLANK**

**0080306-12 (Nonpotable Water)**  
**Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 19:11	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 19:11	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Benzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 19:11	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**TRIP BLANK**

**0080306-12 (Nonpotable Water)**  
**Sample Date: 08/03/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 19:11	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 19:11	GM
Isobutanol	ND		ug/L	100	100	1	08/04/20	08/04/20 19:11	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 19:11	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/04/20	08/04/20 19:11	GM
Styrene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Toluene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/04/20	08/04/20 19:11	GM
Surrogate: 1,2-Dichloroethane-d4		70-130		109 %			08/04/20	08/04/20 19:11	
Surrogate: Toluene-d8		75-120		97 %			08/04/20	08/04/20 19:11	
Surrogate: 4-Bromofluorobenzene		75-120		91 %			08/04/20	08/04/20 19:11	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**OB03**

**0080524-01 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.93		pH Units			1	08/06/20	08/06/20 10:21	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	44.9		NTU	5.00	1.10	10	08/06/20	08/06/20 15:56	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:01	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:01	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>Benzene</b>	<b>1.8</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:01	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>Chlorobenzene</b>	<b>2.5</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>1,2-Dichlorobenzene</b>	<b>1.4</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>1,4-Dichlorobenzene</b>	<b>15.2</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>1,1-Dichloroethane</b>	<b>17.4</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>1,2-Dichloroethane</b>	<b>2.5</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>cis-1,2-Dichloroethene</b>	<b>54.9</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>trans-1,2-Dichloroethene</b>	<b>4.0</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>1,2-Dichloropropane</b>	<b>4.7</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM



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Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**OB03**

**0080524-01 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:01	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:01	GM
Isobutanol	ND		ug/L	100	100	1	08/06/20	08/06/20 14:01	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.7</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:01	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:01	GM
Styrene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Toluene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>Trichloroethene</b>	<b>2.9</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
<b>Vinyl chloride</b>	<b>9.8</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:01	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %	08/06/20		08/06/20 14:01		
Surrogate: Toluene-d8			75-120	97 %	08/06/20		08/06/20 14:01		
Surrogate: 4-Bromofluorobenzene			75-120	91 %	08/06/20		08/06/20 14:01		



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**OB03**

**0080524-01 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/11/20	08/11/20 14:53	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/11/20	08/11/20 14:53	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>350000</b>		ug/L	500	500	1	08/07/20	08/07/20 17:01	VVD
Antimony	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
<b>Arsenic</b>	<b>2.39</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
<b>Barium</b>	<b>448</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
Beryllium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
Cadmium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
<b>Calcium</b>	<b>65200</b>	QB-01, B	ug/L	80.0	80.0	1	08/07/20	08/07/20 17:01	VVD
<b>Chromium</b>	<b>1.87</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
<b>Cobalt</b>	<b>49.3</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
Copper	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
<b>Iron</b>	<b>22200</b>		ug/L	100	5.00	1	08/07/20	08/07/20 17:01	VVD
Lead	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
<b>Magnesium</b>	<b>45500</b>		ug/L	100	100	1	08/07/20	08/07/20 17:01	VVD
<b>Manganese</b>	<b>21900</b>		ug/L	100	100	100	08/07/20	08/07/20 17:44	VVD
Mercury	ND		ug/L	0.100	0.100	1	08/07/20	08/07/20 17:01	VVD
<b>Nickel</b>	<b>14.6</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
<b>Potassium</b>	<b>7390</b>		ug/L	100	100	1	08/07/20	08/07/20 17:01	VVD
Selenium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
Silver	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
<b>Sodium</b>	<b>54400</b>		ug/L	100	100	1	08/07/20	08/07/20 17:01	VVD
Thallium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
Vanadium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:01	VVD
<b>Zinc</b>	<b>8.07</b>		ug/L	4.00	4.00	1	08/07/20	08/07/20 17:01	VVD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB03**

**0080524-01 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	26.1		mg/L	3.0	3.0	1	08/06/20	08/06/20 16:12	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1210		uS/cm			1	08/06/20	08/06/20 18:42	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	3.7		mg/L	2.4	2.4	1	08/06/20	08/07/20 13:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	652		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	2.24		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:38	FRD
Chloride	206		mg/L	12.5	12.5	25	08/06/20	08/07/20 17:51	SES
Nitrate (as N)	1.25		mg/L	0.20	0.10	1	08/06/20	08/06/20 17:04	SES
Sulfate	25.4		mg/L	1.00	0.50	1	08/06/20	08/06/20 17:04	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	184		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OB03A**

**0080524-02 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.19</b>		pH Units			1	08/06/20	08/06/20 10:21	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>119</b>		NTU	5.00	1.10	10	08/06/20	08/06/20 16:02	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:27	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:27	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
<b>Benzene</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:27	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
<b>Chlorobenzene</b>	<b>2.1</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
<b>1,4-Dichlorobenzene</b>	<b>9.5</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
<b>1,1-Dichloroethane</b>	<b>11.7</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
<b>1,2-Dichloroethane</b>	<b>1.6</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
<b>cis-1,2-Dichloroethene</b>	<b>35.8</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
<b>trans-1,2-Dichloroethene</b>	<b>2.8</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
<b>1,2-Dichloropropane</b>	<b>2.8</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB03A**

**0080524-02 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:27	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:27	GM
Isobutanol	ND		ug/L	100	100	1	08/06/20	08/06/20 14:27	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
<b>Methyl tert-butyl ether (MTBE)</b>	<b>1.0</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:27	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:27	GM
Styrene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Toluene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
<b>Trichloroethene</b>	<b>1.5</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
<b>Vinyl chloride</b>	<b>6.4</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:27	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %	08/06/20		08/06/20 14:27		
Surrogate: Toluene-d8			75-120	98 %	08/06/20		08/06/20 14:27		
Surrogate: 4-Bromofluorobenzene			75-120	92 %	08/06/20		08/06/20 14:27		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
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08/27/20 14:36

**OB03A**

**0080524-02 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/11/20	08/11/20 15:19	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/11/20	08/11/20 15:19	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>444000</b>		ug/L	500	500	1	08/07/20	08/07/20 17:03	VVD
Antimony	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
<b>Arsenic</b>	<b>4.14</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
<b>Barium</b>	<b>263</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
Beryllium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
Cadmium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
<b>Calcium</b>	<b>86200</b>	QB-01, B	ug/L	80.0	80.0	1	08/07/20	08/07/20 17:03	VVD
<b>Chromium</b>	<b>3.17</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
<b>Cobalt</b>	<b>33.1</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
<b>Copper</b>	<b>1.15</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
<b>Iron</b>	<b>19700</b>		ug/L	100	5.00	1	08/07/20	08/07/20 17:03	VVD
Lead	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
<b>Magnesium</b>	<b>55600</b>		ug/L	100	100	1	08/07/20	08/07/20 17:03	VVD
<b>Manganese</b>	<b>13800</b>		ug/L	100	100	100	08/07/20	08/07/20 18:06	VVD
Mercury	ND		ug/L	0.100	0.100	1	08/07/20	08/07/20 17:03	VVD
<b>Nickel</b>	<b>10.1</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
<b>Potassium</b>	<b>12400</b>		ug/L	100	100	1	08/07/20	08/07/20 17:03	VVD
Selenium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
Silver	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
<b>Sodium</b>	<b>64100</b>		ug/L	100	100	1	08/07/20	08/07/20 17:03	VVD
Thallium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
<b>Vanadium</b>	<b>1.46</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:03	VVD
<b>Zinc</b>	<b>4.41</b>		ug/L	4.00	4.00	1	08/07/20	08/07/20 17:03	VVD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**OB03A**

**0080524-02 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	29.1		mg/L	3.0	3.0	1	08/06/20	08/06/20 16:13	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1340		uS/cm			1	08/06/20	08/06/20 18:42	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	26.2		mg/L	2.4	2.4	1	08/06/20	08/07/20 13:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	708		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	2.30		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:40	FRD
Chloride	171		mg/L	12.5	12.5	25	08/06/20	08/07/20 18:42	SES
Nitrate (as N)	0.12	Ja	mg/L	0.20	0.10	1	08/06/20	08/06/20 17:55	SES
Sulfate	58.0		mg/L	1.00	0.50	1	08/06/20	08/06/20 17:55	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	260		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**MW-8**

**0080524-03 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.91		pH Units			1	08/06/20	08/06/20 10:21	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	13.7		NTU	0.500	0.110	1	08/06/20	08/06/20 16:03	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:52	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:52	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Benzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:52	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-8**

**0080524-03 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst	
				Limit (MRL)	Limit (LOD)					
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>										
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:52	GM	
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
2-Hexanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:52	GM	
Isobutanol	ND		ug/L	100	100	1	08/06/20	08/06/20 14:52	GM	
Iodomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:52	GM	
Methylene chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 14:52	GM	
Styrene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
Toluene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
Trichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
o-Xylene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 14:52	GM	
Surrogate: 1,2-Dichloroethane-d4			70-130	105 %	08/06/20		08/06/20 14:52			
Surrogate: Toluene-d8			75-120	97 %	08/06/20		08/06/20 14:52			
Surrogate: 4-Bromofluorobenzene			75-120	91 %	08/06/20		08/06/20 14:52			



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

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**MW-8**

**0080524-03 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/11/20	08/11/20 15:44	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/11/20	08/11/20 15:44	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>517000</b>		ug/L	500	500	1	08/07/20	08/07/20 17:06	VVD
Antimony	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
Arsenic	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
<b>Barium</b>	<b>122</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
Beryllium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
Cadmium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
<b>Calcium</b>	<b>87500</b>	QB-01, B	ug/L	80.0	80.0	1	08/07/20	08/07/20 17:06	VVD
<b>Chromium</b>	<b>2.63</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
<b>Cobalt</b>	<b>1.43</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
<b>Copper</b>	<b>4.04</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
<b>Iron</b>	<b>497</b>		ug/L	100	5.00	1	08/07/20	08/07/20 17:06	VVD
Lead	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
<b>Magnesium</b>	<b>72600</b>		ug/L	100	100	1	08/07/20	08/07/20 17:06	VVD
<b>Manganese</b>	<b>37.8</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
Mercury	ND		ug/L	0.100	0.100	1	08/07/20	08/07/20 17:06	VVD
<b>Nickel</b>	<b>3.87</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
<b>Potassium</b>	<b>13200</b>		ug/L	100	100	1	08/07/20	08/07/20 17:06	VVD
Selenium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
Silver	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
<b>Sodium</b>	<b>80200</b>		ug/L	100	100	1	08/07/20	08/07/20 17:06	VVD
Thallium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
<b>Vanadium</b>	<b>1.54</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:06	VVD
Zinc	ND		ug/L	4.00	4.00	1	08/07/20	08/07/20 17:06	VVD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-8**

**0080524-03 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>29.8</b>		mg/L	3.0	3.0	1	08/06/20	08/06/20 16:13	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>1360</b>		uS/cm			1	08/06/20	08/06/20 18:42	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>539</b>		mg/L	11.9	11.9	1	08/06/20	08/07/20 13:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>791</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:42	FRD
Chloride	19.9		mg/L	2.5	2.5	5	08/06/20	08/07/20 18:59	SES
Nitrate (as N)	3.25		mg/L	0.20	0.10	1	08/06/20	08/06/20 18:12	SES
Sulfate	56.1		mg/L	1.00	0.50	1	08/06/20	08/06/20 18:12	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	257		mg/L	2.0	2.0	2	08/16/20	08/17/20 15:03	RAS



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Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**MW-7**

**0080524-04 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.10		pH Units			1	08/06/20	08/06/20 10:21	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	10.9		NTU	0.500	0.110	1	08/06/20	08/06/20 16:04	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:17	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:17	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Benzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:17	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
<b>Chlorobenzene</b>	<b>2.2</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
<b>1,4-Dichlorobenzene</b>	<b>7.6</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
<b>cis-1,2-Dichloroethene</b>	<b>2.0</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**MW-7**

**0080524-04 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst	
				Limit (MRL)	Limit (LOD)					
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>										
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:17	GM	
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
2-Hexanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:17	GM	
Isobutanol	ND		ug/L	100	100	1	08/06/20	08/06/20 15:17	GM	
Iodomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:17	GM	
Methylene chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:17	GM	
Styrene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
Toluene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
Trichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
o-Xylene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:17	GM	
<i>Surrogate: 1,2-Dichloroethane-d4</i>			70-130	109 %			08/06/20	08/06/20 15:17		
<i>Surrogate: Toluene-d8</i>			75-120	97 %			08/06/20	08/06/20 15:17		
<i>Surrogate: 4-Bromofluorobenzene</i>			75-120	92 %			08/06/20	08/06/20 15:17		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

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**MW-7**

**0080524-04 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/11/20	08/11/20 16:10	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/11/20	08/11/20 16:10	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>360000</b>		ug/L	500	500	1	08/07/20	08/07/20 17:08	VVD
Antimony	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
Arsenic	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
<b>Barium</b>	<b>106</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
Beryllium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
Cadmium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
<b>Calcium</b>	<b>69000</b>	QB-01, B	ug/L	80.0	80.0	1	08/07/20	08/07/20 17:08	VVD
<b>Chromium</b>	<b>3.74</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
<b>Cobalt</b>	<b>88.6</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
<b>Copper</b>	<b>21.9</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
<b>Iron</b>	<b>1750</b>		ug/L	100	5.00	1	08/07/20	08/07/20 17:08	VVD
Lead	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
<b>Magnesium</b>	<b>45500</b>		ug/L	100	100	1	08/07/20	08/07/20 17:08	VVD
<b>Manganese</b>	<b>6510</b>		ug/L	10.0	10.0	10	08/07/20	08/07/20 18:09	VVD
Mercury	ND		ug/L	0.100	0.100	1	08/07/20	08/07/20 17:08	VVD
<b>Nickel</b>	<b>17.1</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
<b>Potassium</b>	<b>4580</b>		ug/L	100	100	1	08/07/20	08/07/20 17:08	VVD
Selenium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
Silver	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
<b>Sodium</b>	<b>65300</b>		ug/L	100	100	1	08/07/20	08/07/20 17:08	VVD
Thallium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
<b>Vanadium</b>	<b>3.30</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:08	VVD
<b>Zinc</b>	<b>15.2</b>		ug/L	4.00	4.00	1	08/07/20	08/07/20 17:08	VVD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-7**

**0080524-04 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	56.6		mg/L	3.0	3.0	1	08/06/20	08/06/20 16:13	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	1120		uS/cm			1	08/06/20	08/06/20 18:42	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	20.4		mg/L	5.1	5.1	1	08/06/20	08/07/20 13:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	646		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	0.97		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:44	FRD
Chloride	162		mg/L	12.5	12.5	25	08/06/20	08/07/20 19:16	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	08/06/20	08/06/20 20:05	SES
Sulfate	54.3		mg/L	1.00	0.50	1	08/06/20	08/06/20 20:05	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	200		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OBO2A**

**0080524-05 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.65		pH Units			1	08/06/20	08/06/20 10:21	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	12.0		NTU	0.500	0.110	1	08/06/20	08/06/20 16:05	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:43	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:43	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Benzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:43	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OBO2A**

**0080524-05 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:43	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:43	GM
Isobutanol	ND		ug/L	100	100	1	08/06/20	08/06/20 15:43	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:43	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 15:43	GM
Styrene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Toluene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 15:43	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	107 %	08/06/20		08/06/20 15:43		
Surrogate: Toluene-d8			75-120	97 %	08/06/20		08/06/20 15:43		
Surrogate: 4-Bromofluorobenzene			75-120	92 %	08/06/20		08/06/20 15:43		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OBO2A**

**0080524-05 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/11/20	08/11/20 16:36	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/11/20	08/11/20 16:36	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>411000</b>		ug/L	500	500	1	08/07/20	08/07/20 17:11	VVD
Antimony	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
Arsenic	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
<b>Barium</b>	<b>404</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
Beryllium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
Cadmium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
<b>Calcium</b>	<b>74100</b>	QB-01, B	ug/L	80.0	80.0	1	08/07/20	08/07/20 17:11	VVD
<b>Chromium</b>	<b>2.97</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
Cobalt	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
<b>Copper</b>	<b>2.26</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
<b>Iron</b>	<b>1060</b>		ug/L	100	5.00	1	08/07/20	08/07/20 17:11	VVD
Lead	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
<b>Magnesium</b>	<b>54800</b>		ug/L	100	100	1	08/07/20	08/07/20 17:11	VVD
<b>Manganese</b>	<b>50.1</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
<b>Mercury</b>	<b>0.465</b>		ug/L	0.100	0.100	1	08/07/20	08/07/20 17:11	VVD
<b>Nickel</b>	<b>10.7</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
<b>Potassium</b>	<b>5440</b>		ug/L	100	100	1	08/07/20	08/07/20 17:11	VVD
Selenium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
Silver	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
<b>Sodium</b>	<b>46100</b>		ug/L	100	100	1	08/07/20	08/07/20 17:11	VVD
Thallium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
<b>Vanadium</b>	<b>2.46</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:11	VVD
<b>Zinc</b>	<b>6.91</b>		ug/L	4.00	4.00	1	08/07/20	08/07/20 17:11	VVD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
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08/27/20 14:36

**OBO2A**

**0080524-05 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>11.5</b>		mg/L	3.0	3.0	1	08/06/20	08/06/20 16:14	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>1280</b>		uS/cm			1	08/06/20	08/06/20 18:42	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>79.4</b>		mg/L	3.5	3.5	1	08/06/20	08/07/20 13:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>690</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
<b>Ammonia Nitrogen</b>	<b>ND</b>		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:47	FRD
<b>Chloride</b>	<b>330</b>		mg/L	12.5	12.5	25	08/06/20	08/07/20 19:32	SES
<b>Nitrate (as N)</b>	<b>1.13</b>		mg/L	0.20	0.10	1	08/06/20	08/06/20 20:22	SES
<b>Sulfate</b>	<b>24.4</b>		mg/L	1.00	0.50	1	08/06/20	08/06/20 20:22	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>31.2</b>		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
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**OBO2**

**0080524-06 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.42		pH Units			1	08/06/20	08/06/20 10:21	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	10.7		NTU	0.500	0.110	1	08/06/20	08/06/20 16:16	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:08	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:08	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Benzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:08	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OBO2**

**0080524-06 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:08	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:08	GM
Isobutanol	ND		ug/L	100	100	1	08/06/20	08/06/20 16:08	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:08	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:08	GM
Styrene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Toluene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:08	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %	08/06/20		08/06/20 16:08		
Surrogate: Toluene-d8			75-120	97 %	08/06/20		08/06/20 16:08		
Surrogate: 4-Bromofluorobenzene			75-120	91 %	08/06/20		08/06/20 16:08		



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OBO2**

**0080524-06 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.046	0.046	1	08/11/20	08/11/20 17:02	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/11/20	08/11/20 17:02	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>225000</b>		ug/L	500	500	1	08/07/20	08/07/20 17:18	VVD
Antimony	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
Arsenic	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
<b>Barium</b>	<b>241</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
Beryllium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
Cadmium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
<b>Calcium</b>	<b>45100</b>	QB-01, B	ug/L	80.0	80.0	1	08/07/20	08/07/20 17:18	VVD
<b>Chromium</b>	<b>2.30</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
<b>Cobalt</b>	<b>10.1</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
<b>Copper</b>	<b>3.10</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
<b>Iron</b>	<b>947</b>		ug/L	100	5.00	1	08/07/20	08/07/20 17:18	VVD
Lead	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
<b>Magnesium</b>	<b>27200</b>		ug/L	100	100	1	08/07/20	08/07/20 17:18	VVD
<b>Manganese</b>	<b>1560</b>		ug/L	5.00	5.00	5	08/07/20	08/07/20 18:11	VVD
Mercury	ND		ug/L	0.100	0.100	1	08/07/20	08/07/20 17:18	VVD
<b>Nickel</b>	<b>8.57</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
<b>Potassium</b>	<b>6070</b>		ug/L	100	100	1	08/07/20	08/07/20 17:18	VVD
Selenium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
Silver	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
<b>Sodium</b>	<b>21800</b>		ug/L	100	100	1	08/07/20	08/07/20 17:18	VVD
Thallium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
Vanadium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:18	VVD
<b>Zinc</b>	<b>4.56</b>		ug/L	4.00	4.00	1	08/07/20	08/07/20 17:18	VVD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**OBO2**

**0080524-06 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>10.8</b>		mg/L	3.0	3.0	1	08/06/20	08/06/20 16:14	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>636</b>		uS/cm			1	08/06/20	08/06/20 18:42	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>12.3</b>		mg/L	2.3	2.3	1	08/06/20	08/07/20 13:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>374</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:53	FRD
<b>Chloride</b>	<b>140</b>		mg/L	12.5	12.5	25	08/06/20	08/07/20 19:49	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	08/06/20	08/06/20 21:12	SES
<b>Sulfate</b>	<b>11.4</b>		mg/L	1.00	0.50	1	08/06/20	08/06/20 21:12	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>46.0</b>		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



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**Project: GUDE LANDFILL**

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Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**MW-19B**

**0080524-07 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.99		pH Units			1	08/06/20	08/06/20 10:21	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	7.13		NTU	0.500	0.110	1	08/06/20	08/06/20 16:17	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:33	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:33	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Benzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:33	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
<b>Chlorobenzene</b>	<b>1.2</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
<b>1,4-Dichlorobenzene</b>	<b>1.3</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
<b>1,1-Dichloroethane</b>	<b>4.8</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
<b>cis-1,2-Dichloroethene</b>	<b>16.5</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-19B**

**0080524-07 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:33	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:33	GM
Isobutanol	ND		ug/L	100	100	1	08/06/20	08/06/20 16:33	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:33	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:33	GM
Styrene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
<b>Tetrachloroethene</b>	<b>2.3</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Toluene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
<b>Trichloroethene</b>	<b>4.8</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:33	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	111 %			08/06/20	08/06/20 16:33	
Surrogate: Toluene-d8			75-120	98 %			08/06/20	08/06/20 16:33	
Surrogate: 4-Bromofluorobenzene			75-120	91 %			08/06/20	08/06/20 16:33	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-19B**

**0080524-07 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/12/20	08/12/20 17:23	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/12/20	08/12/20 17:23	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>302000</b>		ug/L	500	500	1	08/07/20	08/07/20 17:20	VVD
Antimony	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
Arsenic	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
<b>Barium</b>	<b>36.4</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
Beryllium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
Cadmium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
<b>Calcium</b>	<b>65500</b>	QB-01, B	ug/L	80.0	80.0	1	08/07/20	08/07/20 17:20	VVD
<b>Chromium</b>	<b>1.53</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
Cobalt	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
<b>Copper</b>	<b>1.62</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
<b>Iron</b>	<b>359</b>		ug/L	100	5.00	1	08/07/20	08/07/20 17:20	VVD
Lead	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
<b>Magnesium</b>	<b>33700</b>		ug/L	100	100	1	08/07/20	08/07/20 17:20	VVD
<b>Manganese</b>	<b>31.3</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
<b>Mercury</b>	<b>0.177</b>		ug/L	0.100	0.100	1	08/07/20	08/07/20 17:20	VVD
<b>Nickel</b>	<b>3.92</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
<b>Potassium</b>	<b>2490</b>		ug/L	100	100	1	08/07/20	08/07/20 17:20	VVD
Selenium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
Silver	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
<b>Sodium</b>	<b>23200</b>		ug/L	100	100	1	08/07/20	08/07/20 17:20	VVD
Thallium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
<b>Vanadium</b>	<b>1.07</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:20	VVD
<b>Zinc</b>	<b>4.40</b>		ug/L	4.00	4.00	1	08/07/20	08/07/20 17:20	VVD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-19B**

**0080524-07 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>13.2</b>		mg/L	3.0	3.0	1	08/06/20	08/06/20 16:14	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>864</b>		uS/cm			1	08/06/20	08/06/20 18:42	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>6.7</b>		mg/L	2.3	2.3	1	08/06/20	08/07/20 13:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>497</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:55	FRD
Chloride	180		mg/L	12.5	12.5	25	08/06/20	08/07/20 20:06	SES
Nitrate (as N)	1.35		mg/L	0.20	0.10	1	08/06/20	08/06/20 21:29	SES
Sulfate	44.8		mg/L	1.00	0.50	1	08/06/20	08/06/20 21:29	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	41.7		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-19A**

**0080524-08 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.77		pH Units			1	08/06/20	08/06/20 10:21	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	38.5		NTU	0.500	0.110	1	08/06/20	08/06/20 16:19	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:59	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:59	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Benzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:59	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
<b>1,1-Dichloroethane</b>	<b>2.5</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
<b>cis-1,2-Dichloroethene</b>	<b>7.3</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-19A**

**0080524-08 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:59	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:59	GM
Isobutanol	ND		ug/L	100	100	1	08/06/20	08/06/20 16:59	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:59	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 16:59	GM
Styrene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
<b>Tetrachloroethene</b>	<b>1.9</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Toluene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
<b>Trichloroethene</b>	<b>2.4</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 16:59	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	111 %			08/06/20	08/06/20 16:59	
Surrogate: Toluene-d8			75-120	97 %			08/06/20	08/06/20 16:59	
Surrogate: 4-Bromofluorobenzene			75-120	92 %			08/06/20	08/06/20 16:59	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-19A**

**0080524-08 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/12/20	08/12/20 17:49	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/12/20	08/12/20 17:49	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>268000</b>		ug/L	500	500	1	08/07/20	08/07/20 17:23	VVD
Antimony	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
Arsenic	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
<b>Barium</b>	<b>124</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
Beryllium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
Cadmium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
<b>Calcium</b>	<b>42900</b>	QB-01, B	ug/L	80.0	80.0	1	08/07/20	08/07/20 17:23	VVD
<b>Chromium</b>	<b>4.75</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
<b>Cobalt</b>	<b>10.8</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
<b>Copper</b>	<b>7.67</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
<b>Iron</b>	<b>3030</b>		ug/L	100	5.00	1	08/07/20	08/07/20 17:23	VVD
<b>Lead</b>	<b>1.67</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
<b>Magnesium</b>	<b>39000</b>		ug/L	100	100	1	08/07/20	08/07/20 17:23	VVD
<b>Manganese</b>	<b>1720</b>		ug/L	5.00	5.00	5	08/07/20	08/07/20 18:14	VVD
<b>Mercury</b>	<b>0.523</b>		ug/L	0.100	0.100	1	08/07/20	08/07/20 17:23	VVD
<b>Nickel</b>	<b>11.7</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
<b>Potassium</b>	<b>3830</b>		ug/L	100	100	1	08/07/20	08/07/20 17:23	VVD
<b>Selenium</b>	<b>1.37</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
Silver	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
<b>Sodium</b>	<b>79500</b>		ug/L	100	100	1	08/07/20	08/07/20 17:23	VVD
Thallium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
<b>Vanadium</b>	<b>4.38</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:23	VVD
<b>Zinc</b>	<b>40.6</b>		ug/L	4.00	4.00	1	08/07/20	08/07/20 17:23	VVD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-19A**

**0080524-08 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>9.9</b>		mg/L	3.0	3.0	1	08/06/20	08/06/20 16:14	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>1070</b>		uS/cm			1	08/06/20	08/06/20 18:42	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>259</b>		mg/L	6.3	6.3	1	08/06/20	08/07/20 13:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>583</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 15:57	FRD
Chloride	262		mg/L	12.5	12.5	25	08/06/20	08/07/20 20:23	SES
Nitrate (as N)	1.83		mg/L	0.20	0.10	1	08/06/20	08/06/20 21:46	SES
Sulfate	13.2		mg/L	1.00	0.50	1	08/06/20	08/06/20 21:46	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	32.4		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-6**

**0080524-09 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>5.90</b>		pH Units			1	08/06/20	08/06/20 10:21	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>21.0</b>		NTU	0.500	0.110	1	08/06/20	08/06/20 16:21	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:24	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:24	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Benzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:24	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
<b>Chlorobenzene</b>	<b>9.5</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
<b>1,4-Dichlorobenzene</b>	<b>5.9</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
<b>cis-1,2-Dichloroethene</b>	<b>4.1</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-6**

**0080524-09 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:24	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:24	GM
Isobutanol	ND		ug/L	100	100	1	08/06/20	08/06/20 17:24	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:24	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:24	GM
Styrene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Toluene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:24	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %	08/06/20		08/06/20 17:24		
Surrogate: Toluene-d8			75-120	97 %	08/06/20		08/06/20 17:24		
Surrogate: 4-Bromofluorobenzene			75-120	91 %	08/06/20		08/06/20 17:24		



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-6**

**0080524-09 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/12/20	08/12/20 18:14	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/12/20	08/12/20 18:14	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>525000</b>		ug/L	500	500	1	08/07/20	08/07/20 17:25	VVD
Antimony	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
Arsenic	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
<b>Barium</b>	<b>415</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
Beryllium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
Cadmium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
<b>Calcium</b>	<b>82700</b>	QB-01, B	ug/L	80.0	80.0	1	08/07/20	08/07/20 17:25	VVD
<b>Chromium</b>	<b>3.46</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
<b>Cobalt</b>	<b>760</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
<b>Copper</b>	<b>3.35</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
<b>Iron</b>	<b>3680</b>		ug/L	100	5.00	1	08/07/20	08/07/20 17:25	VVD
Lead	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
<b>Magnesium</b>	<b>77300</b>		ug/L	100	100	1	08/07/20	08/07/20 17:25	VVD
<b>Manganese</b>	<b>56900</b>		ug/L	100	100	100	08/07/20	08/07/20 18:16	VVD
Mercury	ND		ug/L	0.100	0.100	1	08/07/20	08/07/20 17:25	VVD
<b>Nickel</b>	<b>88.5</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
<b>Potassium</b>	<b>4570</b>		ug/L	100	100	1	08/07/20	08/07/20 17:25	VVD
<b>Selenium</b>	<b>6.92</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
Silver	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
<b>Sodium</b>	<b>174000</b>		ug/L	10000	10000	100	08/07/20	08/07/20 18:16	VVD
Thallium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
Vanadium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:25	VVD
<b>Zinc</b>	<b>45.0</b>		ug/L	4.00	4.00	1	08/07/20	08/07/20 17:25	VVD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-6**

**0080524-09 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>10.9</b>		mg/L	3.0	3.0	1	08/06/20	08/06/20 16:15	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>2160</b>		uS/cm			1	08/06/20	08/06/20 18:42	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>91.1</b>		mg/L	3.4	3.4	1	08/06/20	08/07/20 13:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>1140</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 16:00	FRD
<b>Chloride</b>	<b>503</b>		mg/L	12.5	12.5	25	08/06/20	08/07/20 21:14	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	08/06/20	08/06/20 22:03	SES
<b>Sulfate</b>	<b>37.2</b>		mg/L	1.00	0.50	1	08/06/20	08/06/20 22:03	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>211</b>		mg/L	1.0	1.0	1	08/16/20	08/17/20 10:00	RAS



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Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**OB01**

**0080524-10 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.73		pH Units			1	08/06/20	08/06/20 10:21	CWK
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	ND		NTU	0.500	0.110	1	08/06/20	08/06/20 16:22	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:49	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:49	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Benzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:49	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
<b>Chlorobenzene</b>	<b>2.0</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
<b>1,4-Dichlorobenzene</b>	<b>1.5</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
<b>cis-1,2-Dichloroethene</b>	<b>1.0</b>		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**OB01**

**0080524-10 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:49	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:49	GM
Isobutanol	ND		ug/L	100	100	1	08/06/20	08/06/20 17:49	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:49	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 17:49	GM
Styrene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Toluene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 17:49	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	109 %	08/06/20		08/06/20 17:49		
Surrogate: Toluene-d8			75-120	96 %	08/06/20		08/06/20 17:49		
Surrogate: 4-Bromofluorobenzene			75-120	90 %	08/06/20		08/06/20 17:49		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**OB01**

**0080524-10 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.026	0.026	1	08/12/20	08/12/20 18:40	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.010	0.010	1	08/12/20	08/12/20 18:40	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>649000</b>		ug/L	5000	5000	10	08/07/20	08/07/20 18:19	VVD
Antimony	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
Arsenic	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
<b>Barium</b>	<b>373</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
Beryllium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
Cadmium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
<b>Calcium</b>	<b>117000</b>	B	ug/L	800	800	10	08/07/20	08/07/20 18:19	VVD
Chromium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
<b>Cobalt</b>	<b>11.7</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
<b>Copper</b>	<b>3.31</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
<b>Iron</b>	<b>35.6</b>	J	ug/L	100	5.00	1	08/07/20	08/07/20 17:27	VVD
Lead	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
<b>Magnesium</b>	<b>86800</b>		ug/L	1000	1000	10	08/07/20	08/07/20 18:19	VVD
<b>Manganese</b>	<b>5480</b>		ug/L	10.0	10.0	10	08/07/20	08/07/20 18:19	VVD
<b>Mercury</b>	<b>0.170</b>		ug/L	0.100	0.100	1	08/07/20	08/07/20 17:27	VVD
<b>Nickel</b>	<b>27.8</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
<b>Potassium</b>	<b>5500</b>		ug/L	100	100	1	08/07/20	08/07/20 17:27	VVD
Selenium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
<b>Silver</b>	<b>1.11</b>		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
<b>Sodium</b>	<b>185000</b>		ug/L	1000	1000	10	08/07/20	08/07/20 18:19	VVD
Thallium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
Vanadium	ND		ug/L	1.00	1.00	1	08/07/20	08/07/20 17:27	VVD
<b>Zinc</b>	<b>10.8</b>		ug/L	4.00	4.00	1	08/07/20	08/07/20 17:27	VVD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**OB01**

**0080524-10 (Nonpotable Water)  
Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	15.8		mg/L	3.0	3.0	1	08/06/20	08/06/20 16:15	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	2370		uS/cm			1	08/06/20	08/06/20 18:42	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	5.4		mg/L	2.3	2.3	1	08/06/20	08/07/20 13:03	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	1230		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 16:06	FRD
Chloride	663		mg/L	25.0	25.0	50	08/06/20	08/08/20 18:23	SES
Nitrate (as N)	1.86		mg/L	0.20	0.10	1	08/06/20	08/06/20 22:20	SES
Sulfate	34.1		mg/L	1.00	0.50	1	08/06/20	08/06/20 22:20	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	103		mg/L	1.0	1.0	1	08/16/20	08/17/20 10:00	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

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**0080524-11 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 18:15	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 18:15	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Benzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 18:15	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
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08/27/20 14:36

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**0080524-11 (Nonpotable Water)**  
**Sample Date: 08/05/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 18:15	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 18:15	GM
Isobutanol	ND		ug/L	100	100	1	08/06/20	08/06/20 18:15	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 18:15	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/06/20	08/06/20 18:15	GM
Styrene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Toluene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/06/20	08/06/20 18:15	GM
Surrogate: 1,2-Dichloroethane-d4		70-130		109 %			08/06/20	08/06/20 18:15	
Surrogate: Toluene-d8		75-120		96 %			08/06/20	08/06/20 18:15	
Surrogate: 4-Bromofluorobenzene		75-120		90 %			08/06/20	08/06/20 18:15	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-11B**

**0080617-01 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>6.36</b>		pH Units			1	08/07/20	08/07/20 11:07	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>3.51</b>		NTU	0.500	0.110	1	08/07/20	08/07/20 13:37	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:03	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:03	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Benzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:03	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
<b>Chloroform</b>	<b>1.0</b>		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
<b>cis-1,2-Dichloroethene</b>	<b>5.4</b>		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-11B**

**0080617-01 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:03	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:03	GM
Isobutanol	ND		ug/L	100	100	1	08/10/20	08/10/20 18:03	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:03	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:03	GM
Styrene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
<b>Tetrachloroethene</b>	<b>8.1</b>		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Toluene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
<b>Trichloroethene</b>	<b>3.9</b>		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:03	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %			08/10/20	08/10/20 18:03	
Surrogate: Toluene-d8			75-120	96 %			08/10/20	08/10/20 18:03	
Surrogate: 4-Bromofluorobenzene			75-120	90 %			08/10/20	08/10/20 18:03	



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-11B**

**0080617-01 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/12/20	08/12/20 19:06	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/12/20	08/12/20 19:06	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>80000</b>		ug/L	500	500	1	08/11/20	08/11/20 16:55	KD
Antimony	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
<b>Barium</b>	<b>21.8</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
<b>Calcium</b>	<b>16200</b>		ug/L	80.0	80.0	1	08/11/20	08/11/20 16:55	KD
<b>Chromium</b>	<b>2.73</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
Cobalt	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
Copper	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
<b>Iron</b>	<b>156</b>		ug/L	100	5.00	1	08/11/20	08/11/20 16:55	KD
Lead	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
<b>Magnesium</b>	<b>9600</b>		ug/L	100	100	1	08/11/20	08/11/20 16:55	KD
<b>Manganese</b>	<b>11.1</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
Mercury	ND		ug/L	0.100	0.100	1	08/11/20	08/11/20 16:55	KD
<b>Nickel</b>	<b>1.24</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
<b>Potassium</b>	<b>998</b>		ug/L	100	100	1	08/11/20	08/11/20 16:55	KD
Selenium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
Silver	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
<b>Sodium</b>	<b>10500</b>		ug/L	100	100	1	08/11/20	08/11/20 16:55	KD
Thallium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
<b>Vanadium</b>	<b>3.39</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:55	KD
Zinc	ND		ug/L	4.00	4.00	1	08/11/20	08/11/20 16:55	KD



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-11B**

**0080617-01 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>15.6</b>		mg/L	3.0	3.0	1	08/07/20	08/07/20 15:04	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>229</b>		uS/cm			1	08/10/20	08/10/20 14:30	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>7.4</b>		mg/L	2.3	2.3	1	08/07/20	08/10/20 12:41	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>158</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
<b>Ammonia Nitrogen</b>	<b>ND</b>		mg/L	0.10	0.05	1	08/07/20	08/07/20 16:13	FRD
<b>Chloride</b>	<b>19.3</b>		mg/L	0.5	0.5	1	08/08/20	08/08/20 12:12	SES
<b>Nitrate (as N)</b>	<b>3.00</b>		mg/L	0.20	0.10	1	08/07/20	08/07/20 22:55	SES
<b>Sulfate</b>	<b>2.89</b>		mg/L	1.00	0.50	1	08/07/20	08/07/20 22:55	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>40.9</b>		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**MW-11A**

**0080617-02 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.45		pH Units			1	08/07/20	08/07/20 11:07	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	196		NTU	5.00	1.10	10	08/07/20	08/07/20 13:44	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:28	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:28	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Benzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:28	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-11A**

**0080617-02 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:28	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:28	GM
Isobutanol	ND		ug/L	100	100	1	08/10/20	08/10/20 18:28	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:28	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:28	GM
Styrene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Toluene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:28	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	108 %	08/10/20		08/10/20 18:28		
Surrogate: Toluene-d8			75-120	96 %	08/10/20		08/10/20 18:28		
Surrogate: 4-Bromofluorobenzene			75-120	91 %	08/10/20		08/10/20 18:28		



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**MW-11A**

**0080617-02 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/12/20	08/12/20 19:32	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/12/20	08/12/20 19:32	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>71600</b>		ug/L	500	500	1	08/11/20	08/11/20 16:57	KD
Antimony	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
<b>Barium</b>	<b>92.9</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
<b>Calcium</b>	<b>13300</b>		ug/L	80.0	80.0	1	08/11/20	08/11/20 16:57	KD
<b>Chromium</b>	<b>22.3</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
<b>Cobalt</b>	<b>5.24</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
<b>Copper</b>	<b>9.82</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
<b>Iron</b>	<b>9000</b>		ug/L	100	5.00	1	08/11/20	08/11/20 16:57	KD
<b>Lead</b>	<b>3.50</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
<b>Magnesium</b>	<b>9330</b>		ug/L	100	100	1	08/11/20	08/11/20 16:57	KD
<b>Manganese</b>	<b>152</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
Mercury	ND		ug/L	0.100	0.100	1	08/11/20	08/11/20 16:57	KD
<b>Nickel</b>	<b>23.4</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
<b>Potassium</b>	<b>2160</b>		ug/L	100	100	1	08/11/20	08/11/20 16:57	KD
<b>Selenium</b>	<b>1.38</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
Silver	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
<b>Sodium</b>	<b>6390</b>		ug/L	100	100	1	08/11/20	08/11/20 16:57	KD
Thallium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
<b>Vanadium</b>	<b>18.7</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 16:57	KD
<b>Zinc</b>	<b>36.5</b>		ug/L	4.00	4.00	1	08/11/20	08/11/20 16:57	KD



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MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-11A**

**0080617-02 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	ND		mg/L	3.0	3.0	1	08/07/20	08/07/20 15:04	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	175		uS/cm			1	08/10/20	08/10/20 14:30	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	347		mg/L	35.7	35.7	1	08/07/20	08/10/20 12:41	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	133		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 16:19	FRD
Chloride	25.9		mg/L	2.5	2.5	5	08/08/20	08/08/20 13:02	SES
Nitrate (as N)	2.53		mg/L	0.20	0.10	1	08/07/20	08/07/20 23:46	SES
Sulfate	6.30		mg/L	1.00	0.50	1	08/07/20	08/07/20 23:46	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	13.9		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-10**

**0080617-03 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	6.06		pH Units			1	08/07/20	08/07/20 11:07	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	31.1		NTU	0.500	0.110	1	08/07/20	08/07/20 13:47	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:54	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:54	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Benzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:54	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-10**

**0080617-03 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:54	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:54	GM
Isobutanol	ND		ug/L	100	100	1	08/10/20	08/10/20 18:54	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:54	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 18:54	GM
Styrene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Toluene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 18:54	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %	08/10/20		08/10/20 18:54		
Surrogate: Toluene-d8			75-120	97 %	08/10/20		08/10/20 18:54		
Surrogate: 4-Bromofluorobenzene			75-120	91 %	08/10/20		08/10/20 18:54		



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MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**MW-10**

**0080617-03 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/12/20	08/12/20 19:58	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/12/20	08/12/20 19:58	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>19000</b>		ug/L	500	500	1	08/11/20	08/11/20 17:00	KD
Antimony	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
<b>Barium</b>	<b>26.9</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
<b>Calcium</b>	<b>3780</b>		ug/L	80.0	80.0	1	08/11/20	08/11/20 17:00	KD
<b>Chromium</b>	<b>4.57</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
<b>Cobalt</b>	<b>1.08</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
<b>Copper</b>	<b>9.11</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
<b>Iron</b>	<b>1710</b>		ug/L	100	5.00	1	08/11/20	08/11/20 17:00	KD
Lead	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
<b>Magnesium</b>	<b>2320</b>		ug/L	100	100	1	08/11/20	08/11/20 17:00	KD
<b>Manganese</b>	<b>60.2</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
Mercury	ND		ug/L	0.100	0.100	1	08/11/20	08/11/20 17:00	KD
<b>Nickel</b>	<b>4.38</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
<b>Potassium</b>	<b>2630</b>		ug/L	100	100	1	08/11/20	08/11/20 17:00	KD
Selenium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
Silver	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
<b>Sodium</b>	<b>2800</b>		ug/L	100	100	1	08/11/20	08/11/20 17:00	KD
Thallium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
<b>Vanadium</b>	<b>8.45</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:00	KD
<b>Zinc</b>	<b>24.5</b>		ug/L	4.00	4.00	1	08/11/20	08/11/20 17:00	KD



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Cory Koons, Laboratory Manager

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MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-10**

**0080617-03 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
COD	26.2		mg/L	3.0	3.0	1	08/07/20	08/07/20 15:05	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
Conductivity	52.5		uS/cm			1	08/10/20	08/10/20 14:30	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
Solids, Suspended	117		mg/L	22.7	22.7	1	08/07/20	08/10/20 12:41	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
Solids, Dissolved	59.5		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 16:21	FRD
Chloride	1.0		mg/L	0.5	0.5	1	08/08/20	08/08/20 13:53	SES
Nitrate (as N)	ND		mg/L	0.20	0.10	1	08/08/20	08/08/20 00:36	SES
Sulfate	2.03		mg/L	1.00	0.50	1	08/07/20	08/08/20 00:36	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	13.2		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-14B**

**0080617-04 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
<b>pH</b>	<b>2.31</b>		pH Units			1	08/07/20	08/07/20 11:07	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
<b>Turbidity</b>	<b>4.13</b>		NTU	0.500	0.110	1	08/07/20	08/07/20 13:49	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:19	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:19	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Benzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:19	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
<b>Chloroform</b>	<b>1.3</b>		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-14B**

**0080617-04 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:19	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:19	GM
Isobutanol	ND		ug/L	100	100	1	08/10/20	08/10/20 19:19	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:19	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:19	GM
Styrene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Toluene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:19	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	110 %	08/10/20		08/10/20 19:19		
Surrogate: Toluene-d8			75-120	96 %	08/10/20		08/10/20 19:19		
Surrogate: 4-Bromofluorobenzene			75-120	89 %	08/10/20		08/10/20 19:19		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-14B**

**0080617-04 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/12/20	08/12/20 20:23	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/12/20	08/12/20 20:23	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>57900</b>		ug/L	500	500	1	08/11/20	08/11/20 17:02	KD
Antimony	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
<b>Barium</b>	<b>17.5</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
<b>Calcium</b>	<b>11800</b>		ug/L	80.0	80.0	1	08/11/20	08/11/20 17:02	KD
<b>Chromium</b>	<b>4.64</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
Cobalt	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
<b>Copper</b>	<b>1.66</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
<b>Iron</b>	<b>268</b>		ug/L	100	5.00	1	08/11/20	08/11/20 17:02	KD
Lead	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
<b>Magnesium</b>	<b>6910</b>		ug/L	100	100	1	08/11/20	08/11/20 17:02	KD
<b>Manganese</b>	<b>6.30</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
Mercury	ND		ug/L	0.100	0.100	1	08/11/20	08/11/20 17:02	KD
<b>Nickel</b>	<b>2.93</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
<b>Potassium</b>	<b>1520</b>		ug/L	100	100	1	08/11/20	08/11/20 17:02	KD
Selenium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
Silver	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
<b>Sodium</b>	<b>7960</b>		ug/L	100	100	1	08/11/20	08/11/20 17:02	KD
Thallium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
Vanadium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:02	KD
<b>Zinc</b>	<b>14.4</b>		ug/L	4.00	4.00	1	08/11/20	08/11/20 17:02	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-14B**

**0080617-04 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>19.6</b>		mg/L	3.0	3.0	1	08/07/20	08/07/20 15:05	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>2480</b>		uS/cm			1	08/10/20	08/10/20 14:30	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>7.7</b>		mg/L	2.9	2.9	1	08/07/20	08/10/20 12:41	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>122</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 16:23	FRD
Chloride	17.9		mg/L	0.5	0.5	1	08/08/20	08/08/20 14:10	SES
Nitrate (as N)	4.37		mg/L	0.20	0.10	1	08/08/20	08/08/20 00:53	SES
Sulfate	2.70		mg/L	1.00	0.50	1	08/07/20	08/08/20 00:53	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>25.6</b>		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-14A**

**0080617-05 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.28		pH Units			1	08/07/20	08/07/20 11:07	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	107		NTU	2.50	0.550	5	08/07/20	08/07/20 13:58	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:45	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:45	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Benzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:45	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-14A**

**0080617-05 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:45	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:45	GM
Isobutanol	ND		ug/L	100	100	1	08/10/20	08/10/20 19:45	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:45	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 19:45	GM
Styrene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Toluene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 19:45	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	111 %	08/10/20		08/10/20 19:45		
Surrogate: Toluene-d8			75-120	95 %	08/10/20		08/10/20 19:45		
Surrogate: 4-Bromofluorobenzene			75-120	90 %	08/10/20		08/10/20 19:45		



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-14A**

**0080617-05 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/12/20	08/12/20 20:50	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/12/20	08/12/20 20:50	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>295000</b>		ug/L	500	500	1	08/11/20	08/11/20 17:05	KD
Antimony	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
<b>Barium</b>	<b>474</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
<b>Calcium</b>	<b>46500</b>		ug/L	80.0	80.0	1	08/11/20	08/11/20 17:05	KD
<b>Chromium</b>	<b>34.4</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
<b>Cobalt</b>	<b>12.1</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
<b>Copper</b>	<b>44.7</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
<b>Iron</b>	<b>13200</b>		ug/L	100	5.00	1	08/11/20	08/11/20 17:05	KD
<b>Lead</b>	<b>1.91</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
<b>Magnesium</b>	<b>43500</b>		ug/L	100	100	1	08/11/20	08/11/20 17:05	KD
<b>Manganese</b>	<b>136</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
Mercury	ND		ug/L	0.100	0.100	1	08/11/20	08/11/20 17:05	KD
<b>Nickel</b>	<b>61.0</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
<b>Potassium</b>	<b>5730</b>		ug/L	100	100	1	08/11/20	08/11/20 17:05	KD
Selenium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
Silver	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
<b>Sodium</b>	<b>67300</b>		ug/L	100	100	1	08/11/20	08/11/20 17:05	KD
Thallium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
<b>Vanadium</b>	<b>32.7</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:05	KD
<b>Zinc</b>	<b>96.2</b>		ug/L	4.00	4.00	1	08/11/20	08/11/20 17:05	KD



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-14A**

**0080617-05 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>17.9</b>		mg/L	3.0	3.0	1	08/07/20	08/07/20 15:05	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>1080</b>		uS/cm			1	08/10/20	08/10/20 14:30	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>405</b>		mg/L	28.7	28.7	1	08/07/20	08/10/20 12:41	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>633</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 16:26	FRD
Chloride	301		mg/L	12.5	12.5	25	08/08/20	08/08/20 14:27	SES
Nitrate (as N)	2.57		mg/L	0.20	0.10	1	08/08/20	08/08/20 01:10	SES
Sulfate	15.0		mg/L	1.00	0.50	1	08/07/20	08/08/20 01:10	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
Alkalinity as CaCO3	11.4		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-15**

**0080617-06 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.56		pH Units			1	08/07/20	08/07/20 11:07	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	81.5		NTU	2.50	0.550	5	08/07/20	08/07/20 14:07	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:10	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:10	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Benzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:10	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-15**

**0080617-06 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst	
				Limit (MRL)	Limit (LOD)					
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>										
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:10	GM	
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:10	GM	
Isobutanol	ND		ug/L	100	100	1	08/10/20	08/10/20 20:10	GM	
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:10	GM	
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:10	GM	
Styrene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
Toluene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
Trichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:10	GM	
Surrogate: 1,2-Dichloroethane-d4			70-130	109 %			08/10/20	08/10/20 20:10		
Surrogate: Toluene-d8			75-120	96 %			08/10/20	08/10/20 20:10		
Surrogate: 4-Bromofluorobenzene			75-120	90 %			08/10/20	08/10/20 20:10		



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**MW-15**

**0080617-06 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.048	0.048	1	08/12/20	08/12/20 21:16	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/12/20	08/12/20 21:16	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>78200</b>		ug/L	500	500	1	08/11/20	08/11/20 17:07	KD
Antimony	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
<b>Barium</b>	<b>87.2</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
<b>Calcium</b>	<b>11000</b>		ug/L	80.0	80.0	1	08/11/20	08/11/20 17:07	KD
<b>Chromium</b>	<b>10.5</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
<b>Cobalt</b>	<b>3.91</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
<b>Copper</b>	<b>31.3</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
<b>Iron</b>	<b>8780</b>		ug/L	100	5.00	1	08/11/20	08/11/20 17:07	KD
<b>Lead</b>	<b>2.25</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
<b>Magnesium</b>	<b>12300</b>		ug/L	100	100	1	08/11/20	08/11/20 17:07	KD
<b>Manganese</b>	<b>141</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
Mercury	ND		ug/L	0.100	0.100	1	08/11/20	08/11/20 17:07	KD
<b>Nickel</b>	<b>12.6</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
<b>Potassium</b>	<b>2030</b>		ug/L	100	100	1	08/11/20	08/11/20 17:07	KD
<b>Selenium</b>	<b>1.59</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
Silver	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
<b>Sodium</b>	<b>9220</b>		ug/L	100	100	1	08/11/20	08/11/20 17:07	KD
Thallium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
<b>Vanadium</b>	<b>7.82</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:07	KD
<b>Zinc</b>	<b>40.2</b>		ug/L	4.00	4.00	1	08/11/20	08/11/20 17:07	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-15**

**0080617-06 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>13.7</b>		mg/L	3.0	3.0	1	08/07/20	08/07/20 15:06	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>211</b>		uS/cm			1	08/10/20	08/10/20 14:30	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>734</b>		mg/L	26.3	26.3	1	08/07/20	08/10/20 12:41	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>151</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
<b>Ammonia Nitrogen</b>	<b>ND</b>		mg/L	0.10	0.05	1	08/07/20	08/07/20 16:28	FRD
<b>Chloride</b>	<b>30.6</b>		mg/L	2.5	2.5	5	08/08/20	08/08/20 14:44	SES
<b>Nitrate (as N)</b>	<b>4.57</b>		mg/L	0.20	0.10	1	08/08/20	08/08/20 01:27	SES
<b>Sulfate</b>	<b>10.0</b>		mg/L	1.00	0.50	1	08/07/20	08/08/20 01:27	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>16.7</b>		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-9**

**0080617-07 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.23		pH Units			1	08/07/20	08/07/20 11:07	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	160		NTU	5.00	1.10	10	08/07/20	08/07/20 14:14	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:35	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:35	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Benzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:35	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-9**

**0080617-07 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:35	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:35	GM
Isobutanol	ND		ug/L	100	100	1	08/10/20	08/10/20 20:35	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:35	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 20:35	GM
Styrene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
<b>Tetrachloroethene</b>	<b>5.0</b>		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Toluene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 20:35	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	112 %	08/10/20		08/10/20 20:35		
Surrogate: Toluene-d8			75-120	96 %	08/10/20		08/10/20 20:35		
Surrogate: 4-Bromofluorobenzene			75-120	89 %	08/10/20		08/10/20 20:35		



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-9**

**0080617-07 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/12/20	08/12/20 21:43	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/12/20	08/12/20 21:43	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>49500</b>		ug/L	500	500	1	08/11/20	08/11/20 17:10	KD
Antimony	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
<b>Barium</b>	<b>87.8</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
<b>Calcium</b>	<b>5720</b>		ug/L	80.0	80.0	1	08/11/20	08/11/20 17:10	KD
<b>Chromium</b>	<b>12.6</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
<b>Cobalt</b>	<b>7.37</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
<b>Copper</b>	<b>7.33</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
<b>Iron</b>	<b>8530</b>		ug/L	100	5.00	1	08/11/20	08/11/20 17:10	KD
<b>Lead</b>	<b>6.40</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
<b>Magnesium</b>	<b>8560</b>		ug/L	100	100	1	08/11/20	08/11/20 17:10	KD
<b>Manganese</b>	<b>346</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
Mercury	ND		ug/L	0.100	0.100	1	08/11/20	08/11/20 17:10	KD
<b>Nickel</b>	<b>11.8</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
<b>Potassium</b>	<b>3120</b>		ug/L	100	100	1	08/11/20	08/11/20 17:10	KD
<b>Selenium</b>	<b>2.32</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
Silver	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
<b>Sodium</b>	<b>4630</b>		ug/L	100	100	1	08/11/20	08/11/20 17:10	KD
Thallium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
<b>Vanadium</b>	<b>11.9</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:10	KD
<b>Zinc</b>	<b>79.5</b>		ug/L	4.00	4.00	1	08/11/20	08/11/20 17:10	KD



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Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-9**

**0080617-07 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>18.4</b>		mg/L	3.0	3.0	1	08/07/20	08/07/20 15:06	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>117</b>		uS/cm			1	08/10/20	08/10/20 14:30	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>141</b>		mg/L	25.0	25.0	1	08/07/20	08/10/20 12:41	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>93.5</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 16:30	FRD
<b>Chloride</b>	<b>19.9</b>		mg/L	0.5	0.5	1	08/08/20	08/08/20 15:01	SES
Nitrate (as N)	1.28		mg/L	0.20	0.10	1	08/08/20	08/08/20 01:44	SES
Sulfate	ND		mg/L	1.00	0.50	1	08/07/20	08/08/20 01:44	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>11.0</b>		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-12**

**0080617-08 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>pH measurement by EPA 9040C Prepared by pH (Paper or Meter)</b>									
pH	5.30		pH Units			1	08/07/20	08/07/20 11:07	MH
<b>Turbidity by EPA 180.1 Prepared by Turbidity Prep</b>									
Turbidity	100		NTU	2.50	0.550	5	08/07/20	08/07/20 14:21	VVD
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:01	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:01	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Benzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:01	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-12**

**0080617-08 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:01	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:01	GM
Isobutanol	ND		ug/L	100	100	1	08/10/20	08/10/20 21:01	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:01	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:01	GM
Styrene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Toluene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:01	GM
Surrogate: 1,2-Dichloroethane-d4			70-130	109 %	08/10/20		08/10/20 21:01		
Surrogate: Toluene-d8			75-120	96 %	08/10/20		08/10/20 21:01		
Surrogate: 4-Bromofluorobenzene			75-120	92 %	08/10/20		08/10/20 21:01		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**MW-12**

**0080617-08 (Nonpotable Water)  
Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>EDB and DBCP by EPA 8011 Prepared by 504.1 EDB/DBCP</b>									
1,2-Dibromo-3-chloropropane	ND		ug/L	0.047	0.047	1	08/12/20	08/12/20 22:09	GM
1,2-Dibromoethane (EDB)	ND		ug/L	0.019	0.019	1	08/12/20	08/12/20 22:09	GM
<b>TOTAL METALS ANALYSIS BY EPA 6020B Prepared by 3010A-Metals Digestion</b>									
<b>Hardness as CaCO3</b>	<b>96800</b>		ug/L	500	500	1	08/11/20	08/11/20 17:12	KD
Antimony	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
Arsenic	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
<b>Barium</b>	<b>238</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
Beryllium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
Cadmium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
<b>Calcium</b>	<b>17600</b>		ug/L	80.0	80.0	1	08/11/20	08/11/20 17:12	KD
<b>Chromium</b>	<b>14.6</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
<b>Cobalt</b>	<b>4.36</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
<b>Copper</b>	<b>12.4</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
<b>Iron</b>	<b>5830</b>		ug/L	100	5.00	1	08/11/20	08/11/20 17:12	KD
<b>Lead</b>	<b>4.32</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
<b>Magnesium</b>	<b>12800</b>		ug/L	100	100	1	08/11/20	08/11/20 17:12	KD
<b>Manganese</b>	<b>176</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
Mercury	ND		ug/L	0.100	0.100	1	08/11/20	08/11/20 17:12	KD
<b>Nickel</b>	<b>12.5</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
<b>Potassium</b>	<b>3010</b>		ug/L	100	100	1	08/11/20	08/11/20 17:12	KD
<b>Selenium</b>	<b>1.27</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
Silver	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
<b>Sodium</b>	<b>61400</b>		ug/L	100	100	1	08/11/20	08/11/20 17:12	KD
Thallium	ND		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
<b>Vanadium</b>	<b>7.61</b>		ug/L	1.00	1.00	1	08/11/20	08/11/20 17:12	KD
<b>Zinc</b>	<b>40.6</b>		ug/L	4.00	4.00	1	08/11/20	08/11/20 17:12	KD



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**MW-12**

**0080617-08 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>CHEMICAL OXYGEN DEMAND BY EPA 410.4 Prepared by COD (03) Prep</b>									
<b>COD</b>	<b>15.3</b>		mg/L	3.0	3.0	1	08/07/20	08/07/20 15:06	KD
<b>CONDUCTIVITY BY SM2510 Prepared by Conductivity</b>									
<b>Conductivity</b>	<b>564</b>		uS/cm			1	08/10/20	08/10/20 14:30	VVD
<b>Total Suspended Solids by USGS I-3765-85 Prepared by TSS PREP</b>									
<b>Solids, Suspended</b>	<b>320</b>		mg/L	22.7	22.7	1	08/07/20	08/10/20 12:41	GEM
<b>Total Dissolved Solids by SM 2540C Prepared by TDS Prep</b>									
<b>Solids, Dissolved</b>	<b>335</b>		mg/L	10.0	10.0	1	08/07/20	08/10/20 16:33	KD
<b>Wet Chemistry Performed at Enviro-Chem</b>									
Ammonia Nitrogen	ND		mg/L	0.10	0.05	1	08/07/20	08/07/20 16:32	FRD
Chloride	4.7		mg/L	0.5	0.5	1	08/08/20	08/08/20 15:18	SES
Nitrate (as N)	2.19		mg/L	0.20	0.10	1	08/08/20	08/08/20 02:01	SES
Sulfate	19.6		mg/L	1.00	0.50	1	08/07/20	08/08/20 02:01	SES
<b>Alkalinity SM2320B Performed at Enviro-Chem</b>									
<b>Alkalinity as CaCO3</b>	<b>12.7</b>		mg/L	1.0	1.0	1	08/16/20	08/17/20 15:03	RAS



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TRIP BLANK**

**0080617-09 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting	Detection	Dilution	Prepared	Analyzed	Analyst
				Limit (MRL)	Limit (LOD)				
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES</b>									
Acetone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:26	GM
Acrylonitrile	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:26	GM
Allyl chloride (3-Chloropropylene)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Benzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Bromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Bromodichloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Bromoform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Bromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
2-Butanone (MEK)	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:26	GM
Carbon disulfide	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Carbon tetrachloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Chlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Chloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Chloroform	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Chloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Chloroprene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Dibromochloromethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,2-Dibromo-3-chloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,2-Dibromoethane (EDB)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Dibromomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,2-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,4-Dichlorobenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
trans-1,4-Dichloro-2-butene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,1-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,2-Dichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,1-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
cis-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
trans-1,2-Dichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,3-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
2,2-Dichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,1-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TRIP BLANK**

**0080617-09 (Nonpotable Water)**  
**Sample Date: 08/06/20**

Analyte	Result	Notes	Units	Reporting Limit (MRL)	Detection Limit (LOD)	Dilution	Prepared	Analyzed	Analyst
<b>Volatile Organics by EPA 8260B (GC/MS) Prepared by GCMS-WATER-VOLATILES (continued)</b>									
cis-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
trans-1,3-Dichloropropene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Ethyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:26	GM
Ethylbenzene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
2-Hexanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:26	GM
Isobutanol	ND		ug/L	100	100	1	08/10/20	08/10/20 21:26	GM
Iodomethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Methyl tert-butyl ether (MTBE)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
4-Methyl-2-pentanone	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:26	GM
Methylene chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Methyl methacrylate	ND		ug/L	5.0	5.0	1	08/10/20	08/10/20 21:26	GM
Styrene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,1,1,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,1,2,2-Tetrachloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Tetrachloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Toluene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,1,1-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,1,2-Trichloroethane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Trichloroethene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Trichlorofluoromethane (Freon 11)	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
1,2,3-Trichloropropane	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Vinyl acetate	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Vinyl chloride	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
o-Xylene	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
m- & p-Xylenes	ND		ug/L	1.0	1.0	1	08/10/20	08/10/20 21:26	GM
Surrogate: 1,2-Dichloroethane-d4				70-130	110 %		08/10/20	08/10/20 21:26	
Surrogate: Toluene-d8				75-120	95 %		08/10/20	08/10/20 21:26	
Surrogate: 4-Bromofluorobenzene				75-120	89 %		08/10/20	08/10/20 21:26	



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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08/27/20 14:36

**Turbidity by EPA 180.1 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B007370 - Turbidity Prep</b>										
<b>Blank (B007370-BLK1)</b>					Prepared & Analyzed: 07/28/20					
Turbidity	ND		0.500	NTU						
<b>Batch B007413 - Turbidity Prep</b>										
<b>Blank (B007413-BLK1)</b>					Prepared & Analyzed: 07/30/20					
Turbidity	ND		0.500	NTU						
<b>Batch B008046 - Turbidity Prep</b>										
<b>Blank (B008046-BLK1)</b>					Prepared: 08/04/20 Analyzed: 08/05/20					
Turbidity	ND		0.500	NTU						
<b>Batch B008099 - Turbidity Prep</b>										
<b>Blank (B008099-BLK1)</b>					Prepared & Analyzed: 08/06/20					
Turbidity	ND		0.500	NTU						
<b>Batch B008120 - Turbidity Prep</b>										
<b>Blank (B008120-BLK1)</b>					Prepared & Analyzed: 08/07/20					
Turbidity	ND		0.500	NTU						



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007364 - GCMS-WATER-VOLATILES**

**Blank (B007364-BLK1)**

Prepared & Analyzed: 07/28/20

Acetone	ND		5.0	ug/L						
Acrylonitrile	ND		5.0	ug/L						
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L						
Benzene	ND		1.0	ug/L						
Bromochloromethane	ND		1.0	ug/L						
Bromodichloromethane	ND		1.0	ug/L						
Bromoform	ND		1.0	ug/L						
Bromomethane	ND		1.0	ug/L						
2-Butanone (MEK)	ND		5.0	ug/L						
Carbon disulfide	ND		1.0	ug/L						
Carbon tetrachloride	ND		1.0	ug/L						
Chlorobenzene	ND		1.0	ug/L						
Chloroethane	ND		1.0	ug/L						
Chloroform	ND		1.0	ug/L						
Chloromethane	ND		1.0	ug/L						
Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007364 - GCMS-WATER-VOLATILES**

**Blank (B007364-BLK1)**

Prepared & Analyzed: 07/28/20

1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	52.80			ug/L	50.0		106	70-130		
Surrogate: Toluene-d8	47.16			ug/L	50.0		94	75-120		
Surrogate: 4-Bromofluorobenzene	49.01			ug/L	50.0		98	75-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007364 - GCMS-WATER-VOLATILES**

**LCS (B007364-BS1)**

Prepared & Analyzed: 07/28/20

Acetone	5.9		5.0	ug/L	10.0		59	50-150		
Benzene	5.0		1.0	ug/L	5.00		99	50-150		
Bromochloromethane	6.1		1.0	ug/L	5.00		121	50-150		
Bromodichloromethane	5.1		1.0	ug/L	5.00		101	50-150		
Bromoform	4.9		1.0	ug/L	5.00		98	50-150		
Bromomethane	3.1		1.0	ug/L	5.00		61	50-150		
2-Butanone (MEK)	7.5		5.0	ug/L	10.0		75	50-150		
Carbon disulfide	5.9		1.0	ug/L	5.00		117	50-150		
Carbon tetrachloride	5.3		1.0	ug/L	5.00		105	50-150		
Chlorobenzene	5.1		1.0	ug/L	5.00		101	50-150		
Chloroethane	5.3		1.0	ug/L	5.00		105	50-150		
Chloroform	5.4		1.0	ug/L	5.00		107	50-150		
Chloromethane	4.8		1.0	ug/L	5.00		97	50-150		
Dibromochloromethane	4.8		1.0	ug/L	5.00		95	50-150		
1,2-Dibromo-3-chloropropane	6.1		1.0	ug/L	5.00		123	50-150		
1,2-Dibromoethane (EDB)	5.2		1.0	ug/L	5.00		103	50-150		
Dibromomethane	5.5		1.0	ug/L	5.00		111	50-150		
1,2-Dichlorobenzene	5.0		1.0	ug/L	5.00		100	50-150		
1,4-Dichlorobenzene	5.3		1.0	ug/L	5.00		106	50-150		
1,1-Dichloroethane	5.0		1.0	ug/L	5.00		100	50-150		
1,2-Dichloroethane	4.9		1.0	ug/L	5.00		97	50-150		
1,1-Dichloroethene	5.5		1.0	ug/L	5.00		111	50-150		
cis-1,2-Dichloroethene	5.4		1.0	ug/L	5.00		108	50-150		
trans-1,2-Dichloroethene	5.4		1.0	ug/L	5.00		108	50-150		
1,2-Dichloropropane	4.8		1.0	ug/L	5.00		97	50-150		
1,3-Dichloropropane	4.8		1.0	ug/L	5.00		95	50-150		
2,2-Dichloropropane	5.5		1.0	ug/L	5.00		109	50-150		
1,1-Dichloropropene	5.0		1.0	ug/L	5.00		99	50-150		
cis-1,3-Dichloropropene	4.4		1.0	ug/L	5.00		87	50-150		
trans-1,3-Dichloropropene	4.3		1.0	ug/L	5.00		85	50-150		
Ethylbenzene	4.6		1.0	ug/L	5.00		92	50-150		



Cory Koons, Laboratory Manager

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Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007364 - GCMS-WATER-VOLATILES**

**LCS (B007364-BS1)**

Prepared & Analyzed: 07/28/20

2-Hexanone	8.0		5.0	ug/L	10.0		80	50-150		
Methyl tert-butyl ether (MTBE)	4.7		1.0	ug/L	5.00		94	50-150		
4-Methyl-2-pentanone	8.8		5.0	ug/L	10.0		88	50-150		
Methylene chloride	5.3		1.0	ug/L	5.00		106	0-200		
Methyl methacrylate	4.8	J	5.0	ug/L	5.00		96	50-150		
Styrene	4.4		1.0	ug/L	5.00		87	50-150		
1,1,1,2-Tetrachloroethane	5.0		1.0	ug/L	5.00		100	50-150		
1,1,2,2-Tetrachloroethane	5.2		1.0	ug/L	5.00		104	50-150		
Tetrachloroethene	4.9		1.0	ug/L	5.00		97	50-150		
Toluene	5.0		1.0	ug/L	5.00		100	50-150		
1,1,1-Trichloroethane	5.5		1.0	ug/L	5.00		111	50-150		
1,1,2-Trichloroethane	5.0		1.0	ug/L	5.00		101	50-150		
Trichloroethene	5.3		1.0	ug/L	5.00		106	50-150		
Trichlorofluoromethane (Freon 11)	5.3		1.0	ug/L	5.00		106	50-150		
1,2,3-Trichloropropane	4.8		1.0	ug/L	5.00		95	50-150		
Vinyl acetate	3.5		1.0	ug/L	5.00		70	50-150		
Vinyl chloride	5.0		1.0	ug/L	5.00		101	50-150		
o-Xylene	4.6		1.0	ug/L	5.00		92	50-150		
m- & p-Xylenes	9.4		1.0	ug/L	10.0		94	50-150		
Surrogate: 1,2-Dichloroethane-d4	47.23			ug/L	50.0		94	70-130		
Surrogate: Toluene-d8	47.21			ug/L	50.0		94	75-120		
Surrogate: 4-Bromofluorobenzene	50.25			ug/L	50.0		101	75-120		

**Matrix Spike (B007364-MS1)**

Source: 0072804-01

Prepared & Analyzed: 07/29/20

Acetone	9.0		5.0	ug/L	10.0	2.2	68	60-120		
Benzene	10.5		1.0	ug/L	10.0	ND	105	60-120		
Bromochloromethane	11.0		1.0	ug/L	10.0	ND	110	60-120		
Bromodichloromethane	10.9		1.0	ug/L	10.0	ND	109	60-120		
Bromoform	10.6		1.0	ug/L	10.0	ND	106	60-120		
Bromomethane	4.5		1.0	ug/L	10.0	ND	45	60-120		
2-Butanone (MEK)	7.4		5.0	ug/L	10.0	ND	74	60-120		
Carbon disulfide	11.1		1.0	ug/L	10.0	ND	111	60-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007364 - GCMS-WATER-VOLATILES**

Matrix Spike (B007364-MS1)	Source: 0072804-01			Prepared & Analyzed: 07/29/20						
Carbon tetrachloride	11.1		1.0	ug/L	10.0	ND	111	60-120		
Chlorobenzene	10.7		1.0	ug/L	10.0	ND	107	60-120		
Chloroethane	11.7		1.0	ug/L	10.0	ND	117	60-120		
Chloroform	10.8		1.0	ug/L	10.0	ND	108	60-120		
Chloromethane	10.1		1.0	ug/L	10.0	ND	101	60-120		
Dibromochloromethane	10.3		1.0	ug/L	10.0	ND	103	60-120		
1,2-Dibromo-3-chloropropane	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,2-Dibromoethane (EDB)	9.7		1.0	ug/L	10.0	ND	97	60-120		
Dibromomethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,2-Dichlorobenzene	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,4-Dichlorobenzene	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,1-Dichloroethane	10.9		1.0	ug/L	10.0	ND	109	60-120		
1,2-Dichloroethane	10.7		1.0	ug/L	10.0	ND	107	60-120		
1,1-Dichloroethene	11.4		1.0	ug/L	10.0	ND	114	60-120		
cis-1,2-Dichloroethene	11.4		1.0	ug/L	10.0	ND	114	60-120		
trans-1,2-Dichloroethene	11.0		1.0	ug/L	10.0	ND	110	60-120		
1,2-Dichloropropane	10.6		1.0	ug/L	10.0	ND	106	60-120		
1,3-Dichloropropane	10.3		1.0	ug/L	10.0	ND	103	60-120		
2,2-Dichloropropane	7.6		1.0	ug/L	10.0	ND	76	60-120		
1,1-Dichloropropene	10.0		1.0	ug/L	10.0	ND	100	60-120		
cis-1,3-Dichloropropene	8.4		1.0	ug/L	10.0	ND	84	60-120		
trans-1,3-Dichloropropene	8.7		1.0	ug/L	10.0	ND	87	60-120		
Ethylbenzene	9.8		1.0	ug/L	10.0	ND	98	60-120		
2-Hexanone	7.3		5.0	ug/L	10.0	ND	73	60-120		
Methyl tert-butyl ether (MTBE)	9.4		1.0	ug/L	10.0	ND	94	60-120		
4-Methyl-2-pentanone	8.9		5.0	ug/L	10.0	ND	89	60-120		
Methylene chloride	10.2		1.0	ug/L	10.0	ND	102	60-120		
Methyl methacrylate	8.2		5.0	ug/L	10.0	ND	82	60-120		
Styrene	9.2		1.0	ug/L	10.0	ND	92	60-120		
1,1,1,2-Tetrachloroethane	10.9		1.0	ug/L	10.0	ND	109	60-120		
1,1,2,2-Tetrachloroethane	10.8		1.0	ug/L	10.0	ND	108	60-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007364 - GCMS-WATER-VOLATILES**

<b>Matrix Spike (B007364-MS1)</b>		<b>Source: 0072804-01</b>		<b>Prepared &amp; Analyzed: 07/29/20</b>						
Tetrachloroethene	10.8		1.0	ug/L	10.0	ND	108	60-120		
Toluene	10.5		1.0	ug/L	10.0	ND	105	60-120		
1,1,1-Trichloroethane	11.0		1.0	ug/L	10.0	ND	110	60-120		
1,1,2-Trichloroethane	10.4		1.0	ug/L	10.0	ND	104	60-120		
Trichloroethene	11.3		1.0	ug/L	10.0	ND	113	60-120		
Trichlorofluoromethane (Freon 11)	11.5		1.0	ug/L	10.0	ND	115	60-120		
1,2,3-Trichloropropane	9.4		1.0	ug/L	10.0	ND	94	60-120		
Vinyl acetate	5.8		1.0	ug/L	10.0	ND	58	60-120		
Vinyl chloride	10.7		1.0	ug/L	10.0	ND	107	60-120		
o-Xylene	9.6		1.0	ug/L	10.0	ND	96	60-120		
m- & p-Xylenes	20.2		1.0	ug/L	20.0	ND	101	60-120		
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>47.23</i>			<i>ug/L</i>	<i>50.0</i>		<i>94</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>46.54</i>			<i>ug/L</i>	<i>50.0</i>		<i>93</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>51.58</i>			<i>ug/L</i>	<i>50.0</i>		<i>103</i>	<i>75-120</i>		

<b>Matrix Spike Dup (B007364-MSD1)</b>		<b>Source: 0072804-01</b>		<b>Prepared &amp; Analyzed: 07/29/20</b>						
Acetone	7.4		5.0	ug/L	10.0	2.2	53	60-120	19	15
Benzene	9.0		1.0	ug/L	10.0	ND	90	60-120	16	15
Bromochloromethane	10.4		1.0	ug/L	10.0	ND	104	60-120	6	15
Bromodichloromethane	9.0		1.0	ug/L	10.0	ND	90	60-120	19	15
Bromoform	9.5		1.0	ug/L	10.0	ND	95	60-120	11	15
Bromomethane	4.8		1.0	ug/L	10.0	ND	48	60-120	7	15
2-Butanone (MEK)	6.7		5.0	ug/L	10.0	ND	67	60-120	9	15
Carbon disulfide	9.9		1.0	ug/L	10.0	ND	99	60-120	12	15
Carbon tetrachloride	9.7		1.0	ug/L	10.0	ND	97	60-120	13	15
Chlorobenzene	9.0		1.0	ug/L	10.0	ND	90	60-120	17	15
Chloroethane	9.5		1.0	ug/L	10.0	ND	95	60-120	21	15
Chloroform	9.5		1.0	ug/L	10.0	ND	95	60-120	14	15
Chloromethane	8.8		1.0	ug/L	10.0	ND	88	60-120	15	15
Dibromochloromethane	8.8		1.0	ug/L	10.0	ND	88	60-120	15	15
1,2-Dibromo-3-chloropropane	9.5		1.0	ug/L	10.0	ND	95	60-120	10	15
1,2-Dibromoethane (EDB)	8.8		1.0	ug/L	10.0	ND	88	60-120	9	15



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007364 - GCMS-WATER-VOLATILES**

Matrix Spike Dup (B007364-MSD1)	Source: 0072804-01		Prepared & Analyzed: 07/29/20							
Dibromomethane	9.1	1.0	ug/L	10.0	ND	91	60-120	14	15	
1,2-Dichlorobenzene	8.6	1.0	ug/L	10.0	ND	86	60-120	14	15	
1,4-Dichlorobenzene	8.9	1.0	ug/L	10.0	ND	89	60-120	11	15	
1,1-Dichloroethane	9.1	1.0	ug/L	10.0	ND	91	60-120	17	15	
1,2-Dichloroethane	9.2	1.0	ug/L	10.0	ND	92	60-120	15	15	
1,1-Dichloroethene	9.6	1.0	ug/L	10.0	ND	96	60-120	17	15	
cis-1,2-Dichloroethene	9.6	1.0	ug/L	10.0	ND	96	60-120	17	15	
trans-1,2-Dichloroethene	9.7	1.0	ug/L	10.0	ND	97	60-120	12	15	
1,2-Dichloropropane	9.3	1.0	ug/L	10.0	ND	93	60-120	13	15	
1,3-Dichloropropane	8.8	1.0	ug/L	10.0	ND	88	60-120	16	15	
2,2-Dichloropropane	6.7	1.0	ug/L	10.0	ND	67	60-120	13	15	
1,1-Dichloropropene	8.6	1.0	ug/L	10.0	ND	86	60-120	16	15	
cis-1,3-Dichloropropene	7.1	1.0	ug/L	10.0	ND	71	60-120	17	15	
trans-1,3-Dichloropropene	7.7	1.0	ug/L	10.0	ND	77	60-120	12	15	
Ethylbenzene	8.4	1.0	ug/L	10.0	ND	84	60-120	16	15	
2-Hexanone	7.0	5.0	ug/L	10.0	ND	70	60-120	4	15	
Methyl tert-butyl ether (MTBE)	8.6	1.0	ug/L	10.0	ND	86	60-120	9	15	
4-Methyl-2-pentanone	7.9	5.0	ug/L	10.0	ND	79	60-120	12	15	
Methylene chloride	9.2	1.0	ug/L	10.0	ND	92	60-120	10	15	
Methyl methacrylate	7.0	5.0	ug/L	10.0	ND	70	60-120	15	15	
Styrene	7.7	1.0	ug/L	10.0	ND	77	60-120	18	15	
1,1,1,2-Tetrachloroethane	9.3	1.0	ug/L	10.0	ND	93	60-120	16	15	
1,1,2,2-Tetrachloroethane	9.2	1.0	ug/L	10.0	ND	92	60-120	16	15	
Tetrachloroethene	8.7	1.0	ug/L	10.0	ND	87	60-120	21	15	
Toluene	9.1	1.0	ug/L	10.0	ND	91	60-120	15	15	
1,1,1-Trichloroethane	9.5	1.0	ug/L	10.0	ND	95	60-120	14	15	
1,1,2-Trichloroethane	9.0	1.0	ug/L	10.0	ND	90	60-120	14	15	
Trichloroethene	9.8	1.0	ug/L	10.0	ND	98	60-120	15	15	
Trichlorofluoromethane (Freon 11)	10.0	1.0	ug/L	10.0	ND	100	60-120	15	15	
1,2,3-Trichloropropane	8.2	1.0	ug/L	10.0	ND	82	60-120	13	15	
Vinyl acetate	4.6	1.0	ug/L	10.0	ND	46	60-120	24	15	



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007364 - GCMS-WATER-VOLATILES**

Matrix Spike Dup (B007364-MSD1)	Source: 0072804-01	Prepared & Analyzed: 07/29/20
Vinyl chloride	9.5	1.0 ug/L 10.0 ND 95 60-120 12 15
o-Xylene	8.9	1.0 ug/L 10.0 ND 89 60-120 7 15
m- & p-Xylenes	17.0	1.0 ug/L 20.0 ND 85 60-120 17 15
Surrogate: 1,2-Dichloroethane-d4	46.93	ug/L 50.0 94 70-130
Surrogate: Toluene-d8	46.89	ug/L 50.0 94 75-120
Surrogate: 4-Bromofluorobenzene	50.74	ug/L 50.0 101 75-120

**Batch B007386 - GCMS-WATER-VOLATILES**

Blank (B007386-BLK1)	Prepared & Analyzed: 07/29/20
Acetone	ND 5.0 ug/L
Acrylonitrile	ND 5.0 ug/L
Allyl chloride (3-Chloropropylene)	ND 1.0 ug/L
Benzene	ND 1.0 ug/L
Bromochloromethane	ND 1.0 ug/L
Bromodichloromethane	ND 1.0 ug/L
Bromoform	ND 1.0 ug/L
Bromomethane	ND 1.0 ug/L
2-Butanone (MEK)	ND 5.0 ug/L
Carbon disulfide	ND 1.0 ug/L
Carbon tetrachloride	ND 1.0 ug/L
Chlorobenzene	ND 1.0 ug/L
Chloroethane	ND 1.0 ug/L
Chloroform	ND 1.0 ug/L
Chloromethane	ND 1.0 ug/L
Chloroprene	ND 1.0 ug/L
Dibromochloromethane	ND 1.0 ug/L
1,2-Dibromo-3-chloropropane	ND 1.0 ug/L
1,2-Dibromoethane (EDB)	ND 1.0 ug/L
Dibromomethane	ND 1.0 ug/L
1,2-Dichlorobenzene	ND 1.0 ug/L
1,4-Dichlorobenzene	ND 1.0 ug/L



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**Project: GUDE LANDFILL**

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**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007386 - GCMS-WATER-VOLATILES**

**Blank (B007386-BLK1)**

Prepared & Analyzed: 07/29/20

trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	2.4		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						



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**Project: GUDE LANDFILL**

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**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007386 - GCMS-WATER-VOLATILES**

**Blank (B007386-BLK1)**

Prepared & Analyzed: 07/29/20

Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	50.34			ug/L	50.0		101	70-130		
Surrogate: Toluene-d8	45.81			ug/L	50.0		92	75-120		
Surrogate: 4-Bromofluorobenzene	48.06			ug/L	50.0		96	75-120		

**Blank (B007386-BLK2)**

Prepared & Analyzed: 07/29/20

Acetone	ND		5.0	ug/L						
Acrylonitrile	ND		5.0	ug/L						
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L						
Benzene	ND		1.0	ug/L						
Bromochloromethane	ND		1.0	ug/L						
Bromodichloromethane	ND		1.0	ug/L						
Bromoform	ND		1.0	ug/L						
Bromomethane	ND		1.0	ug/L						
2-Butanone (MEK)	ND		5.0	ug/L						
Carbon disulfide	ND		1.0	ug/L						
Carbon tetrachloride	ND		1.0	ug/L						
Chlorobenzene	ND		1.0	ug/L						
Chloroethane	ND		1.0	ug/L						
Chloroform	ND		1.0	ug/L						
Chloromethane	ND		1.0	ug/L						
Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007386 - GCMS-WATER-VOLATILES**

**Blank (B007386-BLK2)**

Prepared & Analyzed: 07/29/20

1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

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**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007386 - GCMS-WATER-VOLATILES**

**Blank (B007386-BLK2)**

Prepared & Analyzed: 07/29/20

Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	51.74			ug/L	50.0		103	70-130		
Surrogate: Toluene-d8	46.11			ug/L	50.0		92	75-120		
Surrogate: 4-Bromofluorobenzene	47.79			ug/L	50.0		96	75-120		

**LCS (B007386-BS1)**

Prepared & Analyzed: 07/29/20

Acetone	7.2		5.0	ug/L	10.0		72	50-150		
Benzene	5.9		1.0	ug/L	5.00		117	50-150		
Bromochloromethane	7.2		1.0	ug/L	5.00		144	50-150		
Bromodichloromethane	6.3		1.0	ug/L	5.00		125	50-150		
Bromoform	5.6		1.0	ug/L	5.00		112	50-150		
Bromomethane	4.6		1.0	ug/L	5.00		91	50-150		
2-Butanone (MEK)	8.6		5.0	ug/L	10.0		86	50-150		
Carbon disulfide	6.7		1.0	ug/L	5.00		133	50-150		
Carbon tetrachloride	6.4		1.0	ug/L	5.00		128	50-150		
Chlorobenzene	5.9		1.0	ug/L	5.00		119	50-150		
Chloroethane	6.7		1.0	ug/L	5.00		134	50-150		
Chloroform	6.3		1.0	ug/L	5.00		126	50-150		
Chloromethane	5.5		1.0	ug/L	5.00		109	50-150		
Dibromochloromethane	5.4		1.0	ug/L	5.00		109	50-150		
1,2-Dibromo-3-chloropropane	6.3		1.0	ug/L	5.00		126	50-150		
1,2-Dibromoethane (EDB)	5.6		1.0	ug/L	5.00		112	50-150		
Dibromomethane	6.1		1.0	ug/L	5.00		121	50-150		
1,2-Dichlorobenzene	5.7		1.0	ug/L	5.00		114	50-150		
1,4-Dichlorobenzene	5.7		1.0	ug/L	5.00		114	50-150		
1,1-Dichloroethane	5.9		1.0	ug/L	5.00		118	50-150		
1,2-Dichloroethane	5.7		1.0	ug/L	5.00		114	50-150		
1,1-Dichloroethene	6.4		1.0	ug/L	5.00		128	50-150		
cis-1,2-Dichloroethene	6.4		1.0	ug/L	5.00		128	50-150		
trans-1,2-Dichloroethene	6.4		1.0	ug/L	5.00		128	50-150		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007386 - GCMS-WATER-VOLATILES**

**LCS (B007386-BS1)**

Prepared & Analyzed: 07/29/20

1,2-Dichloropropane	6.1		1.0	ug/L	5.00		123	50-150		
1,3-Dichloropropane	5.6		1.0	ug/L	5.00		112	50-150		
2,2-Dichloropropane	6.3		1.0	ug/L	5.00		126	50-150		
1,1-Dichloropropene	5.8		1.0	ug/L	5.00		116	50-150		
cis-1,3-Dichloropropene	5.0		1.0	ug/L	5.00		100	50-150		
trans-1,3-Dichloropropene	5.1		1.0	ug/L	5.00		102	50-150		
Ethylbenzene	5.3		1.0	ug/L	5.00		106	50-150		
2-Hexanone	8.8		5.0	ug/L	10.0		88	50-150		
Methyl tert-butyl ether (MTBE)	5.4		1.0	ug/L	5.00		108	50-150		
4-Methyl-2-pentanone	9.7		5.0	ug/L	10.0		97	50-150		
Methylene chloride	7.8	B	1.0	ug/L	5.00		156	0-200		
Methyl methacrylate	4.7	J	5.0	ug/L	5.00		93	50-150		
Styrene	4.9		1.0	ug/L	5.00		97	50-150		
1,1,1,2-Tetrachloroethane	6.2		1.0	ug/L	5.00		124	50-150		
1,1,2,2-Tetrachloroethane	6.2		1.0	ug/L	5.00		124	50-150		
Tetrachloroethene	5.7		1.0	ug/L	5.00		113	50-150		
Toluene	5.9		1.0	ug/L	5.00		119	50-150		
1,1,1-Trichloroethane	6.1		1.0	ug/L	5.00		121	50-150		
1,1,2-Trichloroethane	5.8		1.0	ug/L	5.00		116	50-150		
Trichloroethene	6.2		1.0	ug/L	5.00		125	50-150		
Trichlorofluoromethane (Freon 11)	6.1		1.0	ug/L	5.00		122	50-150		
1,2,3-Trichloropropane	5.3		1.0	ug/L	5.00		106	50-150		
Vinyl acetate	4.3		1.0	ug/L	5.00		87	50-150		
Vinyl chloride	5.7		1.0	ug/L	5.00		115	50-150		
o-Xylene	5.2		1.0	ug/L	5.00		104	50-150		
m- & p-Xylenes	10.5		1.0	ug/L	10.0		105	50-150		
Surrogate: 1,2-Dichloroethane-d4	47.59			ug/L	50.0		95	70-130		
Surrogate: Toluene-d8	46.78			ug/L	50.0		94	75-120		
Surrogate: 4-Bromofluorobenzene	51.04			ug/L	50.0		102	75-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007386 - GCMS-WATER-VOLATILES**

Matrix Spike (B007386-MS1)	Source: 0072910-01		Prepared & Analyzed: 07/29/20							
Acetone	8.3	5.0	ug/L	10.0	2.6	57	60-120			
Benzene	9.5	1.0	ug/L	10.0	ND	95	60-120			
Bromochloromethane	10.4	1.0	ug/L	10.0	ND	104	60-120			
Bromodichloromethane	9.6	1.0	ug/L	10.0	ND	96	60-120			
Bromoform	9.6	1.0	ug/L	10.0	ND	96	60-120			
Bromomethane	6.8	1.0	ug/L	10.0	ND	68	60-120			
2-Butanone (MEK)	7.2	5.0	ug/L	10.0	ND	72	60-120			
Carbon disulfide	10.0	1.0	ug/L	10.0	ND	100	60-120			
Carbon tetrachloride	10.1	1.0	ug/L	10.0	ND	101	60-120			
Chlorobenzene	9.7	1.0	ug/L	10.0	ND	97	60-120			
Chloroethane	10.4	1.0	ug/L	10.0	ND	104	60-120			
Chloroform	10.4	1.0	ug/L	10.0	1.2	92	60-120			
Chloromethane	9.1	1.0	ug/L	10.0	ND	91	60-120			
Dibromochloromethane	9.1	1.0	ug/L	10.0	ND	91	60-120			
1,2-Dibromo-3-chloropropane	10.4	1.0	ug/L	10.0	ND	104	60-120			
1,2-Dibromoethane (EDB)	9.1	1.0	ug/L	10.0	ND	91	60-120			
Dibromomethane	9.0	1.0	ug/L	10.0	ND	90	60-120			
1,2-Dichlorobenzene	9.1	1.0	ug/L	10.0	ND	91	60-120			
1,4-Dichlorobenzene	9.3	1.0	ug/L	10.0	ND	93	60-120			
1,1-Dichloroethane	9.2	1.0	ug/L	10.0	ND	92	60-120			
1,2-Dichloroethane	9.5	1.0	ug/L	10.0	ND	95	60-120			
1,1-Dichloroethene	10.6	1.0	ug/L	10.0	ND	106	60-120			
cis-1,2-Dichloroethene	9.6	1.0	ug/L	10.0	ND	96	60-120			
trans-1,2-Dichloroethene	10.3	1.0	ug/L	10.0	ND	103	60-120			
1,2-Dichloropropane	9.8	1.0	ug/L	10.0	ND	98	60-120			
1,3-Dichloropropane	9.0	1.0	ug/L	10.0	ND	90	60-120			
2,2-Dichloropropane	8.6	1.0	ug/L	10.0	ND	86	60-120			
1,1-Dichloropropene	8.8	1.0	ug/L	10.0	ND	88	60-120			
cis-1,3-Dichloropropene	7.8	1.0	ug/L	10.0	ND	78	60-120			
trans-1,3-Dichloropropene	8.3	1.0	ug/L	10.0	ND	83	60-120			
Ethylbenzene	8.8	1.0	ug/L	10.0	ND	88	60-120			



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007386 - GCMS-WATER-VOLATILES**

Matrix Spike (B007386-MS1)	Source: 0072910-01		Prepared & Analyzed: 07/29/20							
2-Hexanone	6.9		5.0	ug/L	10.0	ND	69	60-120		
Methyl tert-butyl ether (MTBE)	8.6		1.0	ug/L	10.0	ND	86	60-120		
4-Methyl-2-pentanone	8.3		5.0	ug/L	10.0	ND	83	60-120		
Methylene chloride	9.3	B	1.0	ug/L	10.0	ND	93	60-120		
Methyl methacrylate	7.4		5.0	ug/L	10.0	ND	74	60-120		
Styrene	8.2		1.0	ug/L	10.0	ND	82	60-120		
1,1,1,2-Tetrachloroethane	9.8		1.0	ug/L	10.0	ND	98	60-120		
1,1,2,2-Tetrachloroethane	9.7		1.0	ug/L	10.0	ND	97	60-120		
Tetrachloroethene	9.3		1.0	ug/L	10.0	ND	93	60-120		
Toluene	9.5		1.0	ug/L	10.0	ND	95	60-120		
1,1,1-Trichloroethane	10.1		1.0	ug/L	10.0	ND	101	60-120		
1,1,2-Trichloroethane	9.7		1.0	ug/L	10.0	ND	97	60-120		
Trichloroethene	10.3		1.0	ug/L	10.0	ND	103	60-120		
Trichlorofluoromethane (Freon 11)	10.3		1.0	ug/L	10.0	ND	103	60-120		
1,2,3-Trichloropropane	8.1		1.0	ug/L	10.0	ND	81	60-120		
Vinyl acetate	6.2		1.0	ug/L	10.0	ND	62	60-120		
Vinyl chloride	9.7		1.0	ug/L	10.0	ND	97	60-120		
o-Xylene	8.4		1.0	ug/L	10.0	ND	84	60-120		
m- & p-Xylenes	18.4		1.0	ug/L	20.0	ND	92	60-120		
Surrogate: 1,2-Dichloroethane-d4	46.64			ug/L	50.0		93	70-130		
Surrogate: Toluene-d8	46.37			ug/L	50.0		93	75-120		
Surrogate: 4-Bromofluorobenzene	51.63			ug/L	50.0		103	75-120		

Matrix Spike Dup (B007386-MSD1)	Source: 0072910-01		Prepared & Analyzed: 07/29/20							
Acetone	9.7		5.0	ug/L	10.0	2.6	71	60-120	16	15
Benzene	11.1		1.0	ug/L	10.0	ND	111	60-120	16	15
Bromochloromethane	11.7		1.0	ug/L	10.0	ND	117	60-120	12	15
Bromodichloromethane	11.2		1.0	ug/L	10.0	ND	112	60-120	16	15
Bromoform	11.4		1.0	ug/L	10.0	ND	114	60-120	17	15
Bromomethane	8.1		1.0	ug/L	10.0	ND	81	60-120	18	15
2-Butanone (MEK)	8.4		5.0	ug/L	10.0	ND	84	60-120	14	15
Carbon disulfide	11.9		1.0	ug/L	10.0	ND	119	60-120	18	15



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007386 - GCMS-WATER-VOLATILES**

**Matrix Spike Dup (B007386-MSD1)**

Source: 0072910-01

Prepared & Analyzed: 07/29/20

Carbon tetrachloride	11.5		1.0	ug/L	10.0	ND	115	60-120	13	15
Chlorobenzene	11.1		1.0	ug/L	10.0	ND	111	60-120	13	15
Chloroethane	11.6		1.0	ug/L	10.0	ND	116	60-120	11	15
Chloroform	11.9		1.0	ug/L	10.0	1.2	107	60-120	14	15
Chloromethane	10.7		1.0	ug/L	10.0	ND	107	60-120	17	15
Dibromochloromethane	10.8		1.0	ug/L	10.0	ND	108	60-120	17	15
1,2-Dibromo-3-chloropropane	10.5		1.0	ug/L	10.0	ND	105	60-120	0.7	15
1,2-Dibromoethane (EDB)	10.8		1.0	ug/L	10.0	ND	108	60-120	17	15
Dibromomethane	10.7		1.0	ug/L	10.0	ND	107	60-120	17	15
1,2-Dichlorobenzene	10.5		1.0	ug/L	10.0	ND	105	60-120	14	15
1,4-Dichlorobenzene	10.9		1.0	ug/L	10.0	ND	109	60-120	16	15
1,1-Dichloroethane	10.8		1.0	ug/L	10.0	ND	108	60-120	16	15
1,2-Dichloroethane	11.3		1.0	ug/L	10.0	ND	113	60-120	16	15
1,1-Dichloroethene	11.8		1.0	ug/L	10.0	ND	118	60-120	10	15
cis-1,2-Dichloroethene	11.1		1.0	ug/L	10.0	ND	111	60-120	14	15
trans-1,2-Dichloroethene	11.1		1.0	ug/L	10.0	ND	111	60-120	8	15
1,2-Dichloropropane	11.2		1.0	ug/L	10.0	ND	112	60-120	14	15
1,3-Dichloropropane	10.9		1.0	ug/L	10.0	ND	109	60-120	19	15
2,2-Dichloropropane	9.5		1.0	ug/L	10.0	ND	95	60-120	10	15
1,1-Dichloropropene	10.7		1.0	ug/L	10.0	ND	107	60-120	20	15
cis-1,3-Dichloropropene	9.1		1.0	ug/L	10.0	ND	91	60-120	15	15
trans-1,3-Dichloropropene	9.7		1.0	ug/L	10.0	ND	97	60-120	16	15
Ethylbenzene	10.4		1.0	ug/L	10.0	ND	104	60-120	16	15
2-Hexanone	8.2		5.0	ug/L	10.0	ND	82	60-120	17	15
Methyl tert-butyl ether (MTBE)	10.1		1.0	ug/L	10.0	ND	101	60-120	16	15
4-Methyl-2-pentanone	9.5		5.0	ug/L	10.0	ND	95	60-120	13	15
Methylene chloride	11.0	B	1.0	ug/L	10.0	ND	110	60-120	16	15
Methyl methacrylate	8.8		5.0	ug/L	10.0	ND	88	60-120	18	15
Styrene	9.8		1.0	ug/L	10.0	ND	98	60-120	18	15
1,1,1,2-Tetrachloroethane	11.6		1.0	ug/L	10.0	ND	116	60-120	17	15
1,1,2,2-Tetrachloroethane	11.4		1.0	ug/L	10.0	ND	114	60-120	15	15



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007386 - GCMS-WATER-VOLATILES**

**Matrix Spike Dup (B007386-MSD1)**

Source: 0072910-01

Prepared & Analyzed: 07/29/20

Tetrachloroethene	10.8		1.0	ug/L	10.0	ND	108	60-120	15	15
Toluene	10.9		1.0	ug/L	10.0	ND	109	60-120	13	15
1,1,1-Trichloroethane	11.6		1.0	ug/L	10.0	ND	116	60-120	14	15
1,1,2-Trichloroethane	10.8		1.0	ug/L	10.0	ND	108	60-120	11	15
Trichloroethene	11.8		1.0	ug/L	10.0	ND	118	60-120	13	15
Trichlorofluoromethane (Freon 11)	12.0		1.0	ug/L	10.0	ND	120	60-120	15	15
1,2,3-Trichloropropane	9.7		1.0	ug/L	10.0	ND	97	60-120	18	15
Vinyl acetate	7.9		1.0	ug/L	10.0	ND	79	60-120	23	15
Vinyl chloride	11.1		1.0	ug/L	10.0	ND	111	60-120	14	15
o-Xylene	10.0		1.0	ug/L	10.0	ND	100	60-120	17	15
m- & p-Xylenes	20.8		1.0	ug/L	20.0	ND	104	60-120	12	15
Surrogate: 1,2-Dichloroethane-d4	45.65			ug/L	50.0		91	70-130		
Surrogate: Toluene-d8	46.58			ug/L	50.0		93	75-120		
Surrogate: 4-Bromofluorobenzene	51.21			ug/L	50.0		102	75-120		

**Batch B007403 - GCMS-WATER-VOLATILES**

**Blank (B007403-BLK1)**

Prepared & Analyzed: 07/30/20

Acetone	ND		5.0	ug/L						
Acrylonitrile	ND		5.0	ug/L						
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L						
Benzene	ND		1.0	ug/L						
Bromochloromethane	ND		1.0	ug/L						
Bromodichloromethane	ND		1.0	ug/L						
Bromoform	ND		1.0	ug/L						
Bromomethane	ND		1.0	ug/L						
2-Butanone (MEK)	ND		5.0	ug/L						
Carbon disulfide	ND		1.0	ug/L						
Carbon tetrachloride	ND		1.0	ug/L						
Chlorobenzene	ND		1.0	ug/L						
Chloroethane	ND		1.0	ug/L						
Chloroform	ND		1.0	ug/L						



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007403 - GCMS-WATER-VOLATILES**

**Blank (B007403-BLK1)**

Prepared & Analyzed: 07/30/20

Chloromethane	ND		1.0	ug/L						
Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007403 - GCMS-WATER-VOLATILES**

**Blank (B007403-BLK1)**

Prepared & Analyzed: 07/30/20

1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.19</i>			<i>ug/L</i>	<i>50.0</i>		<i>102</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>45.99</i>			<i>ug/L</i>	<i>50.0</i>		<i>92</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>48.39</i>			<i>ug/L</i>	<i>50.0</i>		<i>97</i>	<i>75-120</i>		

**LCS (B007403-BS1)**

Prepared & Analyzed: 07/30/20

Acetone	7.3		5.0	ug/L	10.0		73	50-150		
Benzene	5.6		1.0	ug/L	5.00		112	50-150		
Bromochloromethane	6.5		1.0	ug/L	5.00		131	50-150		
Bromodichloromethane	5.8		1.0	ug/L	5.00		117	50-150		
Bromoform	5.3		1.0	ug/L	5.00		105	50-150		
Bromomethane	4.4		1.0	ug/L	5.00		88	50-150		
2-Butanone (MEK)	8.3		5.0	ug/L	10.0		83	50-150		
Carbon disulfide	6.7		1.0	ug/L	5.00		133	50-150		
Carbon tetrachloride	5.8		1.0	ug/L	5.00		117	50-150		
Chlorobenzene	5.7		1.0	ug/L	5.00		114	50-150		
Chloroethane	5.8		1.0	ug/L	5.00		116	50-150		
Chloroform	5.7		1.0	ug/L	5.00		114	50-150		
Chloromethane	5.2		1.0	ug/L	5.00		104	50-150		
Dibromochloromethane	5.1		1.0	ug/L	5.00		102	50-150		
1,2-Dibromo-3-chloropropane	5.5		1.0	ug/L	5.00		110	50-150		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007403 - GCMS-WATER-VOLATILES**

**LCS (B007403-BS1)**

Prepared & Analyzed: 07/30/20

1,2-Dibromoethane (EDB)	5.3		1.0	ug/L	5.00		105	50-150		
Dibromomethane	6.0		1.0	ug/L	5.00		119	50-150		
1,2-Dichlorobenzene	5.4		1.0	ug/L	5.00		108	50-150		
1,4-Dichlorobenzene	5.7		1.0	ug/L	5.00		113	50-150		
1,1-Dichloroethane	5.9		1.0	ug/L	5.00		118	50-150		
1,2-Dichloroethane	5.8		1.0	ug/L	5.00		116	50-150		
1,1-Dichloroethene	6.3		1.0	ug/L	5.00		125	50-150		
cis-1,2-Dichloroethene	6.0		1.0	ug/L	5.00		120	50-150		
trans-1,2-Dichloroethene	6.4		1.0	ug/L	5.00		128	50-150		
1,2-Dichloropropane	5.6		1.0	ug/L	5.00		113	50-150		
1,3-Dichloropropane	5.2		1.0	ug/L	5.00		104	50-150		
2,2-Dichloropropane	6.1		1.0	ug/L	5.00		121	50-150		
1,1-Dichloropropene	5.3		1.0	ug/L	5.00		106	50-150		
cis-1,3-Dichloropropene	4.7		1.0	ug/L	5.00		93	50-150		
trans-1,3-Dichloropropene	4.7		1.0	ug/L	5.00		94	50-150		
Ethylbenzene	5.1		1.0	ug/L	5.00		103	50-150		
2-Hexanone	8.1		5.0	ug/L	10.0		81	50-150		
Methyl tert-butyl ether (MTBE)	5.2		1.0	ug/L	5.00		104	50-150		
4-Methyl-2-pentanone	9.3		5.0	ug/L	10.0		93	50-150		
Methylene chloride	6.7		1.0	ug/L	5.00		133	0-200		
Methyl methacrylate	4.5	J	5.0	ug/L	5.00		91	50-150		
Styrene	4.9		1.0	ug/L	5.00		98	50-150		
1,1,1,2-Tetrachloroethane	5.4		1.0	ug/L	5.00		108	50-150		
1,1,2,2-Tetrachloroethane	5.6		1.0	ug/L	5.00		111	50-150		
Tetrachloroethene	5.3		1.0	ug/L	5.00		107	50-150		
Toluene	5.4		1.0	ug/L	5.00		107	50-150		
1,1,1-Trichloroethane	5.8		1.0	ug/L	5.00		115	50-150		
1,1,2-Trichloroethane	5.0		1.0	ug/L	5.00		99	50-150		
Trichloroethene	5.6		1.0	ug/L	5.00		112	50-150		
Trichlorofluoromethane (Freon 11)	5.7		1.0	ug/L	5.00		113	50-150		
1,2,3-Trichloropropane	5.2		1.0	ug/L	5.00		104	50-150		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007403 - GCMS-WATER-VOLATILES**

**LCS (B007403-BS1)**

Prepared & Analyzed: 07/30/20

Vinyl acetate	4.3		1.0	ug/L	5.00		86	50-150		
Vinyl chloride	5.5		1.0	ug/L	5.00		110	50-150		
o-Xylene	5.0		1.0	ug/L	5.00		100	50-150		
m- & p-Xylenes	9.6		1.0	ug/L	10.0		96	50-150		
Surrogate: 1,2-Dichloroethane-d4	48.12			ug/L	50.0		96	70-130		
Surrogate: Toluene-d8	46.74			ug/L	50.0		93	75-120		
Surrogate: 4-Bromofluorobenzene	50.80			ug/L	50.0		102	75-120		

**Duplicate (B007403-DUP1)**

Source: 0072915-03

Prepared & Analyzed: 07/30/20

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				20
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	4.3		1.0	ug/L		4.4			3	20
Bromochloromethane	ND		1.0	ug/L		ND				20
Bromodichloromethane	ND		1.0	ug/L		ND				20
Bromoform	ND		1.0	ug/L		ND				20
Bromomethane	ND		1.0	ug/L		ND				20
2-Butanone (MEK)	ND		5.0	ug/L		ND				20
Carbon disulfide	ND		1.0	ug/L		ND				20
Carbon tetrachloride	ND		1.0	ug/L		ND				20
Chlorobenzene	8.9		1.0	ug/L		8.5			5	20
Chloroethane	ND		1.0	ug/L		ND				20
Chloroform	ND		1.0	ug/L		ND				20
Chloromethane	ND		1.0	ug/L		ND				20
Chloroprene	ND		1.0	ug/L		ND				20
Dibromochloromethane	ND		1.0	ug/L		ND				20
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L		ND				20
1,2-Dibromoethane (EDB)	ND		1.0	ug/L		ND				20
Dibromomethane	ND		1.0	ug/L		ND				20
1,2-Dichlorobenzene	1.2		1.0	ug/L		1.0			18	20
1,4-Dichlorobenzene	13.2		1.0	ug/L		13.5			2	20
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L		ND				20



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007403 - GCMS-WATER-VOLATILES**

Duplicate (B007403-DUP1)	Source: 0072915-03	Prepared & Analyzed: 07/30/20
1,1-Dichloroethane	1.5	1.0 ug/L 1.6 4 20
1,2-Dichloroethane	ND	1.0 ug/L ND 20
1,1-Dichloroethene	ND	1.0 ug/L ND 20
cis-1,2-Dichloroethene	5.3	1.0 ug/L 4.6 14 20
trans-1,2-Dichloroethene	2.2	1.0 ug/L 2.1 5 20
1,2-Dichloropropane	ND	1.0 ug/L ND 20
1,3-Dichloropropane	ND	1.0 ug/L ND 20
2,2-Dichloropropane	ND	1.0 ug/L ND 20
1,1-Dichloropropene	ND	1.0 ug/L ND 20
cis-1,3-Dichloropropene	ND	1.0 ug/L ND 20
trans-1,3-Dichloropropene	ND	1.0 ug/L ND 20
Ethyl methacrylate	ND	5.0 ug/L ND 20
Ethylbenzene	ND	1.0 ug/L ND 20
2-Hexanone	ND	5.0 ug/L ND 20
Isobutanol	ND	100 ug/L ND 20
Iodomethane	ND	1.0 ug/L ND 20
Methyl tert-butyl ether (MTBE)	ND	1.0 ug/L ND 20
4-Methyl-2-pentanone	ND	5.0 ug/L ND 20
Methylene chloride	ND	1.0 ug/L ND 20
Methyl methacrylate	ND	5.0 ug/L ND 20
Styrene	ND	1.0 ug/L ND 20
1,1,1,2-Tetrachloroethane	ND	1.0 ug/L ND 20
1,1,2,2-Tetrachloroethane	ND	1.0 ug/L ND 20
Tetrachloroethene	ND	1.0 ug/L ND 20
Toluene	ND	1.0 ug/L 1.1 20
1,1,1-Trichloroethane	ND	1.0 ug/L ND 20
1,1,2-Trichloroethane	ND	1.0 ug/L ND 20
Trichloroethene	ND	1.0 ug/L ND 20
Trichlorofluoromethane (Freon 11)	ND	1.0 ug/L ND 20
1,2,3-Trichloropropane	ND	1.0 ug/L ND 20
Vinyl acetate	ND	1.0 ug/L ND 20



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007403 - GCMS-WATER-VOLATILES**

<b>Duplicate (B007403-DUP1)</b>		<b>Source: 0072915-03</b>			<b>Prepared &amp; Analyzed: 07/30/20</b>					
Vinyl chloride	9.7		1.0	ug/L		9.5			2	20
o-Xylene	ND		1.0	ug/L		ND				20
m- & p-Xylenes	ND		1.0	ug/L		ND				20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>51.60</i>			ug/L	<i>50.0</i>		<i>103</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>45.86</i>			ug/L	<i>50.0</i>		<i>92</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>49.49</i>			ug/L	<i>50.0</i>		<i>99</i>	<i>75-120</i>		

<b>Matrix Spike (B007403-MS1)</b>		<b>Source: 0072915-04</b>			<b>Prepared &amp; Analyzed: 07/30/20</b>					
Acetone	9.1		5.0	ug/L	10.0	2.8	63	60-120		
Benzene	9.5		1.0	ug/L	10.0	ND	95	60-120		
Bromochloromethane	10.7		1.0	ug/L	10.0	ND	107	60-120		
Bromodichloromethane	9.5		1.0	ug/L	10.0	ND	95	60-120		
Bromoform	9.1		1.0	ug/L	10.0	ND	91	60-120		
Bromomethane	2.2		1.0	ug/L	10.0	ND	22	60-120		
2-Butanone (MEK)	7.6		5.0	ug/L	10.0	ND	76	60-120		
Carbon disulfide	10.2		1.0	ug/L	10.0	ND	102	60-120		
Carbon tetrachloride	10.1		1.0	ug/L	10.0	ND	101	60-120		
Chlorobenzene	9.7		1.0	ug/L	10.0	ND	97	60-120		
Chloroethane	11.7		1.0	ug/L	10.0	ND	117	60-120		
Chloroform	9.7		1.0	ug/L	10.0	ND	97	60-120		
Chloromethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
Dibromochloromethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
1,2-Dibromo-3-chloropropane	9.2		1.0	ug/L	10.0	ND	92	60-120		
1,2-Dibromoethane (EDB)	9.1		1.0	ug/L	10.0	ND	91	60-120		
Dibromomethane	9.6		1.0	ug/L	10.0	ND	96	60-120		
1,2-Dichlorobenzene	9.0		1.0	ug/L	10.0	ND	90	60-120		
1,4-Dichlorobenzene	9.2		1.0	ug/L	10.0	ND	92	60-120		
1,1-Dichloroethane	9.6		1.0	ug/L	10.0	ND	96	60-120		
1,2-Dichloroethane	9.8		1.0	ug/L	10.0	ND	98	60-120		
1,1-Dichloroethene	10.9		1.0	ug/L	10.0	ND	109	60-120		
cis-1,2-Dichloroethene	10.8		1.0	ug/L	10.0	ND	108	60-120		
trans-1,2-Dichloroethene	9.6		1.0	ug/L	10.0	ND	96	60-120		



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

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**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007403 - GCMS-WATER-VOLATILES**

Matrix Spike (B007403-MS1)	Source: 0072915-04		Prepared & Analyzed: 07/30/20							
1,2-Dichloropropane	9.5	1.0	ug/L	10.0	ND	95	60-120			
1,3-Dichloropropane	8.9	1.0	ug/L	10.0	ND	89	60-120			
2,2-Dichloropropane	7.8	1.0	ug/L	10.0	ND	78	60-120			
1,1-Dichloropropene	8.7	1.0	ug/L	10.0	ND	87	60-120			
cis-1,3-Dichloropropene	7.6	1.0	ug/L	10.0	ND	76	60-120			
trans-1,3-Dichloropropene	7.7	1.0	ug/L	10.0	ND	77	60-120			
Ethylbenzene	8.8	1.0	ug/L	10.0	ND	88	60-120			
2-Hexanone	6.8	5.0	ug/L	10.0	ND	68	60-120			
Methyl tert-butyl ether (MTBE)	8.3	1.0	ug/L	10.0	ND	83	60-120			
4-Methyl-2-pentanone	8.0	5.0	ug/L	10.0	ND	80	60-120			
Methylene chloride	9.3	1.0	ug/L	10.0	ND	93	60-120			
Methyl methacrylate	7.6	5.0	ug/L	10.0	ND	76	60-120			
Styrene	8.7	1.0	ug/L	10.0	ND	87	60-120			
1,1,1,2-Tetrachloroethane	9.9	1.0	ug/L	10.0	ND	99	60-120			
1,1,2,2-Tetrachloroethane	9.9	1.0	ug/L	10.0	ND	99	60-120			
Tetrachloroethene	9.4	1.0	ug/L	10.0	ND	94	60-120			
Toluene	9.3	1.0	ug/L	10.0	ND	93	60-120			
1,1,1-Trichloroethane	9.7	1.0	ug/L	10.0	ND	97	60-120			
1,1,2-Trichloroethane	9.8	1.0	ug/L	10.0	ND	98	60-120			
Trichloroethene	9.8	1.0	ug/L	10.0	ND	98	60-120			
Trichlorofluoromethane (Freon 11)	10.3	1.0	ug/L	10.0	ND	103	60-120			
1,2,3-Trichloropropane	8.2	1.0	ug/L	10.0	ND	82	60-120			
Vinyl acetate	6.8	1.0	ug/L	10.0	ND	68	60-120			
Vinyl chloride	9.8	1.0	ug/L	10.0	ND	98	60-120			
o-Xylene	8.7	1.0	ug/L	10.0	ND	87	60-120			
m- & p-Xylenes	17.9	1.0	ug/L	20.0	ND	90	60-120			
Surrogate: 1,2-Dichloroethane-d4	46.40		ug/L	50.0		93	70-130			
Surrogate: Toluene-d8	46.23		ug/L	50.0		92	75-120			
Surrogate: 4-Bromofluorobenzene	50.70		ug/L	50.0		101	75-120			



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008018 - GCMS-WATER-VOLATILES**

**Blank (B008018-BLK1)**

Prepared & Analyzed: 08/03/20

Acetone	ND		5.0	ug/L						
Acrylonitrile	ND		5.0	ug/L						
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L						
Benzene	ND		1.0	ug/L						
Bromochloromethane	ND		1.0	ug/L						
Bromodichloromethane	ND		1.0	ug/L						
Bromoform	ND		1.0	ug/L						
Bromomethane	ND		1.0	ug/L						
2-Butanone (MEK)	ND		5.0	ug/L						
Carbon disulfide	ND		1.0	ug/L						
Carbon tetrachloride	ND		1.0	ug/L						
Chlorobenzene	ND		1.0	ug/L						
Chloroethane	ND		1.0	ug/L						
Chloroform	ND		1.0	ug/L						
Chloromethane	ND		1.0	ug/L						
Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008018 - GCMS-WATER-VOLATILES**

**Blank (B008018-BLK1)**

Prepared & Analyzed: 08/03/20

1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	50.51			ug/L	50.0		101	70-130		
Surrogate: Toluene-d8	44.84			ug/L	50.0		90	75-120		
Surrogate: 4-Bromofluorobenzene	48.78			ug/L	50.0		98	75-120		



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008018 - GCMS-WATER-VOLATILES**

**LCS (B008018-BS1)**

Prepared & Analyzed: 08/03/20

Acetone	5.8		5.0	ug/L	10.0		58	50-150		
Benzene	5.2		1.0	ug/L	5.00		105	50-150		
Bromochloromethane	5.5		1.0	ug/L	5.00		109	50-150		
Bromodichloromethane	5.6		1.0	ug/L	5.00		111	50-150		
Bromoform	4.7		1.0	ug/L	5.00		95	50-150		
Bromomethane	3.9		1.0	ug/L	5.00		79	50-150		
2-Butanone (MEK)	7.5		5.0	ug/L	10.0		75	50-150		
Carbon disulfide	6.0		1.0	ug/L	5.00		119	50-150		
Carbon tetrachloride	5.3		1.0	ug/L	5.00		106	50-150		
Chlorobenzene	4.9		1.0	ug/L	5.00		97	50-150		
Chloroethane	5.7		1.0	ug/L	5.00		114	50-150		
Chloroform	5.5		1.0	ug/L	5.00		111	50-150		
Chloromethane	4.6		1.0	ug/L	5.00		92	50-150		
Dibromochloromethane	4.8		1.0	ug/L	5.00		96	50-150		
1,2-Dibromo-3-chloropropane	5.4		1.0	ug/L	5.00		109	50-150		
1,2-Dibromoethane (EDB)	5.1		1.0	ug/L	5.00		102	50-150		
Dibromomethane	5.1		1.0	ug/L	5.00		102	50-150		
1,2-Dichlorobenzene	4.9		1.0	ug/L	5.00		97	50-150		
1,4-Dichlorobenzene	4.7		1.0	ug/L	5.00		94	50-150		
1,1-Dichloroethane	5.1		1.0	ug/L	5.00		102	50-150		
1,2-Dichloroethane	5.2		1.0	ug/L	5.00		103	50-150		
1,1-Dichloroethene	5.3		1.0	ug/L	5.00		105	50-150		
cis-1,2-Dichloroethene	5.6		1.0	ug/L	5.00		111	50-150		
trans-1,2-Dichloroethene	5.6		1.0	ug/L	5.00		112	50-150		
1,2-Dichloropropane	5.4		1.0	ug/L	5.00		107	50-150		
1,3-Dichloropropane	4.6		1.0	ug/L	5.00		91	50-150		
2,2-Dichloropropane	5.6		1.0	ug/L	5.00		112	50-150		
1,1-Dichloropropene	4.7		1.0	ug/L	5.00		93	50-150		
cis-1,3-Dichloropropene	4.4		1.0	ug/L	5.00		87	50-150		
trans-1,3-Dichloropropene	4.5		1.0	ug/L	5.00		89	50-150		
Ethylbenzene	4.4		1.0	ug/L	5.00		88	50-150		



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008018 - GCMS-WATER-VOLATILES**

**LCS (B008018-BS1)**

Prepared & Analyzed: 08/03/20

2-Hexanone	7.6		5.0	ug/L	10.0		76	50-150		
Methyl tert-butyl ether (MTBE)	4.8		1.0	ug/L	5.00		96	50-150		
4-Methyl-2-pentanone	8.4		5.0	ug/L	10.0		84	50-150		
Methylene chloride	5.4		1.0	ug/L	5.00		108	0-200		
Methyl methacrylate	4.0	J	5.0	ug/L	5.00		79	50-150		
Styrene	3.9		1.0	ug/L	5.00		78	50-150		
1,1,1,2-Tetrachloroethane	4.7		1.0	ug/L	5.00		94	50-150		
1,1,2,2-Tetrachloroethane	4.9		1.0	ug/L	5.00		99	50-150		
Tetrachloroethene	4.8		1.0	ug/L	5.00		96	50-150		
Toluene	4.8		1.0	ug/L	5.00		95	50-150		
1,1,1-Trichloroethane	5.4		1.0	ug/L	5.00		109	50-150		
1,1,2-Trichloroethane	4.7		1.0	ug/L	5.00		93	50-150		
Trichloroethene	5.4		1.0	ug/L	5.00		108	50-150		
Trichlorofluoromethane (Freon 11)	5.0		1.0	ug/L	5.00		99	50-150		
1,2,3-Trichloropropane	4.4		1.0	ug/L	5.00		89	50-150		
Vinyl acetate	3.5		1.0	ug/L	5.00		71	50-150		
Vinyl chloride	5.0		1.0	ug/L	5.00		99	50-150		
o-Xylene	4.1		1.0	ug/L	5.00		81	50-150		
m- & p-Xylenes	8.9		1.0	ug/L	10.0		89	50-150		
Surrogate: 1,2-Dichloroethane-d4	46.54			ug/L	50.0		93	70-130		
Surrogate: Toluene-d8	45.38			ug/L	50.0		91	75-120		
Surrogate: 4-Bromofluorobenzene	50.76			ug/L	50.0		102	75-120		

**Duplicate (B008018-DUP1)**

Source: 0073021-02

Prepared & Analyzed: 08/03/20

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				20
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	1.8		1.0	ug/L		1.8			2	20
Bromochloromethane	ND		1.0	ug/L		ND				20
Bromodichloromethane	ND		1.0	ug/L		ND				20
Bromoform	ND		1.0	ug/L		ND				20
Bromomethane	ND		1.0	ug/L		ND				20



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008018 - GCMS-WATER-VOLATILES**

Duplicate (B008018-DUP1)	Source: 0073021-02			Prepared & Analyzed: 08/03/20						
2-Butanone (MEK)	ND		5.0	ug/L		ND				20
Carbon disulfide	ND		1.0	ug/L		ND				20
Carbon tetrachloride	ND		1.0	ug/L		ND				20
Chlorobenzene	26.3		1.0	ug/L		26.1		0.6		20
Chloroethane	ND		1.0	ug/L		ND				20
Chloroform	ND		1.0	ug/L		ND				20
Chloromethane	ND		1.0	ug/L		ND				20
Chloroprene	ND		1.0	ug/L		ND				20
Dibromochloromethane	ND		1.0	ug/L		ND				20
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L		ND				20
1,2-Dibromoethane (EDB)	ND		1.0	ug/L		ND				20
Dibromomethane	ND		1.0	ug/L		ND				20
1,2-Dichlorobenzene	2.8		1.0	ug/L		2.8			3	20
1,4-Dichlorobenzene	21.0		1.0	ug/L		20.4			3	20
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L		ND				20
1,1-Dichloroethane	11.3		1.0	ug/L		12.3			9	20
1,2-Dichloroethane	2.0		1.0	ug/L		2.2			6	20
1,1-Dichloroethene	ND		1.0	ug/L		ND				20
cis-1,2-Dichloroethene	63.0		1.0	ug/L		66.4			5	20
trans-1,2-Dichloroethene	2.9		1.0	ug/L		2.9			2	20
1,2-Dichloropropane	4.0		1.0	ug/L		4.6			12	20
1,3-Dichloropropane	ND		1.0	ug/L		ND				20
2,2-Dichloropropane	ND		1.0	ug/L		ND				20
1,1-Dichloropropene	ND		1.0	ug/L		ND				20
cis-1,3-Dichloropropene	ND		1.0	ug/L		ND				20
trans-1,3-Dichloropropene	ND		1.0	ug/L		ND				20
Ethyl methacrylate	ND		5.0	ug/L		ND				20
Ethylbenzene	ND		1.0	ug/L		ND				20
2-Hexanone	ND		5.0	ug/L		ND				20
Isobutanol	ND		100	ug/L		ND				20
Iodomethane	ND		1.0	ug/L		ND				20



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008018 - GCMS-WATER-VOLATILES**

Duplicate (B008018-DUP1)	Source: 0073021-02			Prepared & Analyzed: 08/03/20						
Methyl tert-butyl ether (MTBE)	1.8		1.0	ug/L	1.9				4	20
4-Methyl-2-pentanone	ND		5.0	ug/L	ND					20
Methylene chloride	ND		1.0	ug/L	ND					20
Methyl methacrylate	ND		5.0	ug/L	ND					20
Styrene	ND		1.0	ug/L	ND					20
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L	ND					20
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L	ND					20
Tetrachloroethene	2.7		1.0	ug/L	2.7				0.4	20
Toluene	ND		1.0	ug/L	ND					20
1,1,1-Trichloroethane	ND		1.0	ug/L	ND					20
1,1,2-Trichloroethane	ND		1.0	ug/L	ND					20
Trichloroethene	8.1		1.0	ug/L	8.8				8	20
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L	ND					20
1,2,3-Trichloropropane	ND		1.0	ug/L	ND					20
Vinyl acetate	ND		1.0	ug/L	ND					20
Vinyl chloride	15.6		1.0	ug/L	16.5				6	20
o-Xylene	ND		1.0	ug/L	ND					20
m- & p-Xylenes	ND		1.0	ug/L	ND					20
Surrogate: 1,2-Dichloroethane-d4	51.73			ug/L	50.0		103	70-130		
Surrogate: Toluene-d8	48.42			ug/L	50.0		97	75-120		
Surrogate: 4-Bromofluorobenzene	47.45			ug/L	50.0		95	75-120		

Matrix Spike (B008018-MS1)	Source: 0073021-01			Prepared & Analyzed: 08/03/20						
Acetone	6.7		5.0	ug/L	10.0	2.3	44	60-120		
Benzene	8.7		1.0	ug/L	10.0	ND	87	60-120		
Bromochloromethane	10.4		1.0	ug/L	10.0	ND	104	60-120		
Bromodichloromethane	8.7		1.0	ug/L	10.0	ND	87	60-120		
Bromoform	9.1		1.0	ug/L	10.0	ND	91	60-120		
Bromomethane	2.2		1.0	ug/L	10.0	ND	22	60-120		
2-Butanone (MEK)	6.4		5.0	ug/L	10.0	ND	64	60-120		
Carbon disulfide	9.8		1.0	ug/L	10.0	ND	98	60-120		
Carbon tetrachloride	9.5		1.0	ug/L	10.0	ND	95	60-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008018 - GCMS-WATER-VOLATILES**

Matrix Spike (B008018-MS1)	Source: 0073021-01			Prepared & Analyzed: 08/03/20						
Chlorobenzene	9.1		1.0	ug/L	10.0	ND	91	60-120		
Chloroethane	10.1		1.0	ug/L	10.0	ND	101	60-120		
Chloroform	9.5		1.0	ug/L	10.0	ND	95	60-120		
Chloromethane	8.3		1.0	ug/L	10.0	ND	83	60-120		
Dibromochloromethane	9.2		1.0	ug/L	10.0	ND	92	60-120		
1,2-Dibromo-3-chloropropane	9.2		1.0	ug/L	10.0	ND	92	60-120		
1,2-Dibromoethane (EDB)	8.9		1.0	ug/L	10.0	ND	89	60-120		
Dibromomethane	9.0		1.0	ug/L	10.0	ND	90	60-120		
1,2-Dichlorobenzene	8.1		1.0	ug/L	10.0	ND	81	60-120		
1,4-Dichlorobenzene	8.8		1.0	ug/L	10.0	ND	88	60-120		
1,1-Dichloroethane	8.7		1.0	ug/L	10.0	ND	87	60-120		
1,2-Dichloroethane	8.8		1.0	ug/L	10.0	ND	88	60-120		
1,1-Dichloroethene	9.4		1.0	ug/L	10.0	ND	94	60-120		
cis-1,2-Dichloroethene	8.9		1.0	ug/L	10.0	ND	89	60-120		
trans-1,2-Dichloroethene	9.0		1.0	ug/L	10.0	ND	90	60-120		
1,2-Dichloropropane	8.9		1.0	ug/L	10.0	ND	89	60-120		
1,3-Dichloropropane	9.2		1.0	ug/L	10.0	ND	92	60-120		
2,2-Dichloropropane	7.6		1.0	ug/L	10.0	ND	76	60-120		
1,1-Dichloropropene	8.1		1.0	ug/L	10.0	ND	81	60-120		
cis-1,3-Dichloropropene	7.4		1.0	ug/L	10.0	ND	74	60-120		
trans-1,3-Dichloropropene	7.7		1.0	ug/L	10.0	ND	77	60-120		
Ethylbenzene	8.4		1.0	ug/L	10.0	ND	84	60-120		
2-Hexanone	6.2		5.0	ug/L	10.0	ND	62	60-120		
Methyl tert-butyl ether (MTBE)	7.9		1.0	ug/L	10.0	ND	79	60-120		
4-Methyl-2-pentanone	7.5		5.0	ug/L	10.0	ND	75	60-120		
Methylene chloride	8.9		1.0	ug/L	10.0	ND	89	60-120		
Methyl methacrylate	7.0		5.0	ug/L	10.0	ND	70	60-120		
Styrene	7.4		1.0	ug/L	10.0	ND	74	60-120		
1,1,1,2-Tetrachloroethane	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,1,2,2-Tetrachloroethane	9.8		1.0	ug/L	10.0	ND	98	60-120		
Tetrachloroethene	8.6		1.0	ug/L	10.0	ND	86	60-120		



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
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08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008018 - GCMS-WATER-VOLATILES**

**Matrix Spike (B008018-MS1)**

Source: 0073021-01

Prepared & Analyzed: 08/03/20

Toluene	9.5		1.0	ug/L	10.0	ND	95	60-120		
1,1,1-Trichloroethane	9.4		1.0	ug/L	10.0	ND	94	60-120		
1,1,2-Trichloroethane	9.5		1.0	ug/L	10.0	ND	95	60-120		
Trichloroethene	9.6		1.0	ug/L	10.0	ND	96	60-120		
Trichlorofluoromethane (Freon 11)	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,2,3-Trichloropropane	8.2		1.0	ug/L	10.0	ND	82	60-120		
Vinyl acetate	5.0		1.0	ug/L	10.0	ND	50	60-120		
Vinyl chloride	8.7		1.0	ug/L	10.0	ND	87	60-120		
o-Xylene	8.7		1.0	ug/L	10.0	ND	87	60-120		
m- & p-Xylenes	17.0		1.0	ug/L	20.0	ND	85	60-120		
Surrogate: 1,2-Dichloroethane-d4	46.25			ug/L	50.0		93	70-130		
Surrogate: Toluene-d8	48.41			ug/L	50.0		97	75-120		
Surrogate: 4-Bromofluorobenzene	49.64			ug/L	50.0		99	75-120		

**Batch B008038 - GCMS-WATER-VOLATILES**

**Blank (B008038-BLK1)**

Prepared & Analyzed: 08/04/20

Acetone	ND		5.0	ug/L						
Acrylonitrile	ND		5.0	ug/L						
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L						
Benzene	ND		1.0	ug/L						
Bromochloromethane	ND		1.0	ug/L						
Bromodichloromethane	ND		1.0	ug/L						
Bromoform	ND		1.0	ug/L						
Bromomethane	ND		1.0	ug/L						
2-Butanone (MEK)	ND		5.0	ug/L						
Carbon disulfide	ND		1.0	ug/L						
Carbon tetrachloride	ND		1.0	ug/L						
Chlorobenzene	ND		1.0	ug/L						
Chloroethane	ND		1.0	ug/L						
Chloroform	ND		1.0	ug/L						
Chloromethane	ND		1.0	ug/L						



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008038 - GCMS-WATER-VOLATILES**

**Blank (B008038-BLK1)**

Prepared & Analyzed: 08/04/20

Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008038 - GCMS-WATER-VOLATILES**

**Blank (B008038-BLK1)**

Prepared & Analyzed: 08/04/20

Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>53.82</i>			<i>ug/L</i>	<i>50.0</i>		<i>108</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>48.40</i>			<i>ug/L</i>	<i>50.0</i>		<i>97</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>45.60</i>			<i>ug/L</i>	<i>50.0</i>		<i>91</i>	<i>75-120</i>		

**LCS (B008038-BS1)**

Prepared & Analyzed: 08/04/20

Acetone	5.1		5.0	ug/L	10.0		51	50-150		
Benzene	4.7		1.0	ug/L	5.00		93	50-150		
Bromochloromethane	5.4		1.0	ug/L	5.00		107	50-150		
Bromodichloromethane	5.0		1.0	ug/L	5.00		100	50-150		
Bromoform	4.8		1.0	ug/L	5.00		95	50-150		
Bromomethane	2.9		1.0	ug/L	5.00		58	50-150		
2-Butanone (MEK)	6.0		5.0	ug/L	10.0		60	50-150		
Carbon disulfide	5.8		1.0	ug/L	5.00		116	50-150		
Carbon tetrachloride	5.0		1.0	ug/L	5.00		100	50-150		
Chlorobenzene	5.0		1.0	ug/L	5.00		100	50-150		
Chloroethane	5.1		1.0	ug/L	5.00		102	50-150		
Chloroform	5.2		1.0	ug/L	5.00		105	50-150		
Chloromethane	4.6		1.0	ug/L	5.00		91	50-150		
Dibromochloromethane	4.5		1.0	ug/L	5.00		90	50-150		
1,2-Dibromo-3-chloropropane	6.7		1.0	ug/L	5.00		134	50-150		
1,2-Dibromoethane (EDB)	4.8		1.0	ug/L	5.00		96	50-150		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008038 - GCMS-WATER-VOLATILES**

**LCS (B008038-BS1)**

Prepared & Analyzed: 08/04/20

Dibromomethane	5.2		1.0	ug/L	5.00		104	50-150		
1,2-Dichlorobenzene	5.6		1.0	ug/L	5.00		112	50-150		
1,4-Dichlorobenzene	5.6		1.0	ug/L	5.00		112	50-150		
1,1-Dichloroethane	5.0		1.0	ug/L	5.00		100	50-150		
1,2-Dichloroethane	4.9		1.0	ug/L	5.00		98	50-150		
1,1-Dichloroethene	5.5		1.0	ug/L	5.00		111	50-150		
cis-1,2-Dichloroethene	5.3		1.0	ug/L	5.00		106	50-150		
trans-1,2-Dichloroethene	5.4		1.0	ug/L	5.00		107	50-150		
1,2-Dichloropropane	5.0		1.0	ug/L	5.00		100	50-150		
1,3-Dichloropropane	4.6		1.0	ug/L	5.00		92	50-150		
2,2-Dichloropropane	5.1		1.0	ug/L	5.00		101	50-150		
1,1-Dichloropropene	4.4		1.0	ug/L	5.00		87	50-150		
cis-1,3-Dichloropropene	4.4		1.0	ug/L	5.00		88	50-150		
trans-1,3-Dichloropropene	4.1		1.0	ug/L	5.00		82	50-150		
Ethylbenzene	4.6		1.0	ug/L	5.00		92	50-150		
2-Hexanone	7.1		5.0	ug/L	10.0		71	50-150		
Methyl tert-butyl ether (MTBE)	4.1		1.0	ug/L	5.00		82	50-150		
4-Methyl-2-pentanone	7.8		5.0	ug/L	10.0		78	50-150		
Methylene chloride	5.3		1.0	ug/L	5.00		106	0-200		
Methyl methacrylate	3.7	J	5.0	ug/L	5.00		74	50-150		
Styrene	4.0		1.0	ug/L	5.00		81	50-150		
1,1,1,2-Tetrachloroethane	5.0		1.0	ug/L	5.00		101	50-150		
1,1,2,2-Tetrachloroethane	5.2		1.0	ug/L	5.00		104	50-150		
Tetrachloroethene	4.9		1.0	ug/L	5.00		98	50-150		
Toluene	5.1		1.0	ug/L	5.00		102	50-150		
1,1,1-Trichloroethane	4.9		1.0	ug/L	5.00		97	50-150		
1,1,2-Trichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
Trichloroethene	5.1		1.0	ug/L	5.00		101	50-150		
Trichlorofluoromethane (Freon 11)	5.0		1.0	ug/L	5.00		100	50-150		
1,2,3-Trichloropropane	4.9		1.0	ug/L	5.00		97	50-150		
Vinyl acetate	2.9		1.0	ug/L	5.00		58	50-150		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008038 - GCMS-WATER-VOLATILES**

**LCS (B008038-BS1)**

Prepared & Analyzed: 08/04/20

Vinyl chloride	4.7		1.0	ug/L	5.00		93	50-150		
o-Xylene	4.8		1.0	ug/L	5.00		96	50-150		
m- & p-Xylenes	9.2		1.0	ug/L	10.0		92	50-150		
Surrogate: 1,2-Dichloroethane-d4	48.69			ug/L	50.0		97	70-130		
Surrogate: Toluene-d8	49.48			ug/L	50.0		99	75-120		
Surrogate: 4-Bromofluorobenzene	49.06			ug/L	50.0		98	75-120		

**Matrix Spike (B008038-MS1)**

Source: 0080308-01

Prepared & Analyzed: 08/04/20

Acetone	7.7		5.0	ug/L	10.0	ND	77	60-120		
Benzene	10.2		1.0	ug/L	10.0	ND	102	60-120		
Bromochloromethane	11.2		1.0	ug/L	10.0	ND	112	60-120		
Bromodichloromethane	10.1		1.0	ug/L	10.0	ND	101	60-120		
Bromoform	10.6		1.0	ug/L	10.0	ND	106	60-120		
Bromomethane	5.2		1.0	ug/L	10.0	ND	52	60-120		
2-Butanone (MEK)	7.4		5.0	ug/L	10.0	ND	74	60-120		
Carbon disulfide	10.9		1.0	ug/L	10.0	ND	109	60-120		
Carbon tetrachloride	10.6		1.0	ug/L	10.0	ND	106	60-120		
Chlorobenzene	10.7		1.0	ug/L	10.0	ND	107	60-120		
Chloroethane	11.5		1.0	ug/L	10.0	ND	115	60-120		
Chloroform	10.0		1.0	ug/L	10.0	ND	100	60-120		
Chloromethane	9.5		1.0	ug/L	10.0	ND	95	60-120		
Dibromochloromethane	10.6		1.0	ug/L	10.0	ND	106	60-120		
1,2-Dibromo-3-chloropropane	11.9		1.0	ug/L	10.0	ND	119	60-120		
1,2-Dibromoethane (EDB)	10.9		1.0	ug/L	10.0	ND	109	60-120		
Dibromomethane	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,2-Dichlorobenzene	10.4		1.0	ug/L	10.0	ND	104	60-120		
1,4-Dichlorobenzene	10.8		1.0	ug/L	10.0	ND	108	60-120		
1,1-Dichloroethane	10.0		1.0	ug/L	10.0	ND	100	60-120		
1,2-Dichloroethane	9.6		1.0	ug/L	10.0	ND	96	60-120		
1,1-Dichloroethene	11.0		1.0	ug/L	10.0	ND	110	60-120		
cis-1,2-Dichloroethene	10.2		1.0	ug/L	10.0	ND	102	60-120		
trans-1,2-Dichloroethene	10.2		1.0	ug/L	10.0	ND	102	60-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008038 - GCMS-WATER-VOLATILES**

Matrix Spike (B008038-MS1)	Source: 0080308-01		Prepared & Analyzed: 08/04/20							
1,2-Dichloropropane	10.2	1.0	ug/L	10.0	ND	102	60-120			
1,3-Dichloropropane	10.7	1.0	ug/L	10.0	ND	107	60-120			
2,2-Dichloropropane	8.0	1.0	ug/L	10.0	ND	80	60-120			
1,1-Dichloropropene	9.8	1.0	ug/L	10.0	ND	98	60-120			
cis-1,3-Dichloropropene	8.7	1.0	ug/L	10.0	ND	87	60-120			
trans-1,3-Dichloropropene	8.5	1.0	ug/L	10.0	ND	85	60-120			
Ethylbenzene	9.8	1.0	ug/L	10.0	ND	98	60-120			
2-Hexanone	7.8	5.0	ug/L	10.0	ND	78	60-120			
Methyl tert-butyl ether (MTBE)	9.2	1.0	ug/L	10.0	ND	92	60-120			
4-Methyl-2-pentanone	8.7	5.0	ug/L	10.0	ND	87	60-120			
Methylene chloride	9.9	1.0	ug/L	10.0	ND	99	60-120			
Methyl methacrylate	7.7	5.0	ug/L	10.0	ND	77	60-120			
Styrene	9.1	1.0	ug/L	10.0	ND	91	60-120			
1,1,1,2-Tetrachloroethane	11.3	1.0	ug/L	10.0	ND	113	60-120			
1,1,2,2-Tetrachloroethane	11.0	1.0	ug/L	10.0	ND	110	60-120			
Tetrachloroethene	10.4	1.0	ug/L	10.0	ND	104	60-120			
Toluene	10.9	1.0	ug/L	10.0	ND	109	60-120			
1,1,1-Trichloroethane	10.9	1.0	ug/L	10.0	ND	109	60-120			
1,1,2-Trichloroethane	10.2	1.0	ug/L	10.0	ND	102	60-120			
Trichloroethene	10.5	1.0	ug/L	10.0	ND	105	60-120			
Trichlorofluoromethane (Freon 11)	10.9	1.0	ug/L	10.0	ND	109	60-120			
1,2,3-Trichloropropane	9.5	1.0	ug/L	10.0	ND	95	60-120			
Vinyl acetate	5.7	1.0	ug/L	10.0	ND	57	60-120			
Vinyl chloride	10.2	1.0	ug/L	10.0	ND	102	60-120			
o-Xylene	9.6	1.0	ug/L	10.0	ND	96	60-120			
m- & p-Xylenes	20.4	1.0	ug/L	20.0	ND	102	60-120			
Surrogate: 1,2-Dichloroethane-d4	47.29		ug/L	50.0		95	70-130			
Surrogate: Toluene-d8	49.62		ug/L	50.0		99	75-120			
Surrogate: 4-Bromofluorobenzene	49.21		ug/L	50.0		98	75-120			



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008038 - GCMS-WATER-VOLATILES**

Matrix Spike Dup (B008038-MSD1)	Source: 0080308-01		Prepared & Analyzed: 08/04/20							
Acetone	8.2	5.0	ug/L	10.0	ND	82	60-120	6	15	
Benzene	9.7	1.0	ug/L	10.0	ND	97	60-120	5	15	
Bromochloromethane	10.5	1.0	ug/L	10.0	ND	105	60-120	6	15	
Bromodichloromethane	9.8	1.0	ug/L	10.0	ND	98	60-120	3	15	
Bromoform	10.1	1.0	ug/L	10.0	ND	101	60-120	5	15	
Bromomethane	5.4	1.0	ug/L	10.0	ND	54	60-120	5	15	
2-Butanone (MEK)	7.7	5.0	ug/L	10.0	ND	77	60-120	4	15	
Carbon disulfide	10.5	1.0	ug/L	10.0	ND	105	60-120	4	15	
Carbon tetrachloride	10.4	1.0	ug/L	10.0	ND	104	60-120	2	15	
Chlorobenzene	10.6	1.0	ug/L	10.0	ND	106	60-120	1	15	
Chloroethane	10.7	1.0	ug/L	10.0	ND	107	60-120	7	15	
Chloroform	9.5	1.0	ug/L	10.0	ND	95	60-120	5	15	
Chloromethane	9.2	1.0	ug/L	10.0	ND	92	60-120	4	15	
Dibromochloromethane	10.2	1.0	ug/L	10.0	ND	102	60-120	4	15	
1,2-Dibromo-3-chloropropane	10.2	1.0	ug/L	10.0	ND	102	60-120	15	15	
1,2-Dibromoethane (EDB)	10.2	1.0	ug/L	10.0	ND	102	60-120	6	15	
Dibromomethane	10.1	1.0	ug/L	10.0	ND	101	60-120	3	15	
1,2-Dichlorobenzene	10.0	1.0	ug/L	10.0	ND	100	60-120	4	15	
1,4-Dichlorobenzene	10.0	1.0	ug/L	10.0	ND	100	60-120	8	15	
1,1-Dichloroethane	9.6	1.0	ug/L	10.0	ND	96	60-120	4	15	
1,2-Dichloroethane	9.8	1.0	ug/L	10.0	ND	98	60-120	2	15	
1,1-Dichloroethene	10.6	1.0	ug/L	10.0	ND	106	60-120	4	15	
cis-1,2-Dichloroethene	9.8	1.0	ug/L	10.0	ND	98	60-120	4	15	
trans-1,2-Dichloroethene	9.9	1.0	ug/L	10.0	ND	99	60-120	3	15	
1,2-Dichloropropane	10.0	1.0	ug/L	10.0	ND	100	60-120	2	15	
1,3-Dichloropropane	10.3	1.0	ug/L	10.0	ND	103	60-120	4	15	
2,2-Dichloropropane	7.9	1.0	ug/L	10.0	ND	79	60-120	2	15	
1,1-Dichloropropene	9.1	1.0	ug/L	10.0	ND	91	60-120	7	15	
cis-1,3-Dichloropropene	8.5	1.0	ug/L	10.0	ND	85	60-120	2	15	
trans-1,3-Dichloropropene	8.5	1.0	ug/L	10.0	ND	85	60-120	0	15	
Ethylbenzene	9.4	1.0	ug/L	10.0	ND	94	60-120	4	15	



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008038 - GCMS-WATER-VOLATILES**

Matrix Spike Dup (B008038-MSD1)	Source: 0080308-01	Prepared & Analyzed: 08/04/20
2-Hexanone	7.4	5.0 ug/L 10.0 ND 74 60-120 6 15
Methyl tert-butyl ether (MTBE)	8.7	1.0 ug/L 10.0 ND 87 60-120 5 15
4-Methyl-2-pentanone	9.2	5.0 ug/L 10.0 ND 92 60-120 5 15
Methylene chloride	9.6	1.0 ug/L 10.0 ND 96 60-120 3 15
Methyl methacrylate	7.8	5.0 ug/L 10.0 ND 78 60-120 2 15
Styrene	9.0	1.0 ug/L 10.0 ND 90 60-120 0.9 15
1,1,1,2-Tetrachloroethane	11.0	1.0 ug/L 10.0 ND 110 60-120 2 15
1,1,2,2-Tetrachloroethane	11.0	1.0 ug/L 10.0 ND 110 60-120 0.09 15
Tetrachloroethane	10.0	1.0 ug/L 10.0 ND 100 60-120 4 15
Toluene	10.0	1.0 ug/L 10.0 ND 100 60-120 8 15
1,1,1-Trichloroethane	10.3	1.0 ug/L 10.0 ND 103 60-120 6 15
1,1,2-Trichloroethane	10.0	1.0 ug/L 10.0 ND 100 60-120 1 15
Trichloroethene	10.1	1.0 ug/L 10.0 ND 101 60-120 4 15
Trichlorofluoromethane (Freon 11)	10.3	1.0 ug/L 10.0 ND 103 60-120 5 15
1,2,3-Trichloropropane	9.8	1.0 ug/L 10.0 ND 98 60-120 2 15
Vinyl acetate	5.9	1.0 ug/L 10.0 ND 59 60-120 4 15
Vinyl chloride	9.9	1.0 ug/L 10.0 ND 99 60-120 2 15
o-Xylene	9.6	1.0 ug/L 10.0 ND 96 60-120 0.2 15
m- & p-Xylenes	19.1	1.0 ug/L 20.0 ND 96 60-120 6 15
Surrogate: 1,2-Dichloroethane-d4	47.56	ug/L 50.0 95 70-130
Surrogate: Toluene-d8	49.66	ug/L 50.0 99 75-120
Surrogate: 4-Bromofluorobenzene	48.75	ug/L 50.0 98 75-120

**Batch B008090 - GCMS-WATER-VOLATILES**

Blank (B008090-BLK1)	Prepared & Analyzed: 08/06/20
Acetone	ND 5.0 ug/L
Acrylonitrile	ND 5.0 ug/L
Allyl chloride (3-Chloropropylene)	ND 1.0 ug/L
Benzene	ND 1.0 ug/L
Bromochloromethane	ND 1.0 ug/L
Bromodichloromethane	ND 1.0 ug/L



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008090 - GCMS-WATER-VOLATILES**

**Blank (B008090-BLK1)**

Prepared & Analyzed: 08/06/20

Bromoform	ND		1.0	ug/L						
Bromomethane	ND		1.0	ug/L						
2-Butanone (MEK)	ND		5.0	ug/L						
Carbon disulfide	ND		1.0	ug/L						
Carbon tetrachloride	ND		1.0	ug/L						
Chlorobenzene	ND		1.0	ug/L						
Chloroethane	ND		1.0	ug/L						
Chloroform	ND		1.0	ug/L						
Chloromethane	ND		1.0	ug/L						
Chloroprene	ND		1.0	ug/L						
Dibromochloromethane	ND		1.0	ug/L						
1,2-Dibromo-3-chloropropane	ND		1.0	ug/L						
1,2-Dibromoethane (EDB)	ND		1.0	ug/L						
Dibromomethane	ND		1.0	ug/L						
1,2-Dichlorobenzene	ND		1.0	ug/L						
1,4-Dichlorobenzene	ND		1.0	ug/L						
trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008090 - GCMS-WATER-VOLATILES**

**Blank (B008090-BLK1)**

Prepared & Analyzed: 08/06/20

Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						
Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	52.90			ug/L	50.0		106	70-130		
Surrogate: Toluene-d8	48.48			ug/L	50.0		97	75-120		
Surrogate: 4-Bromofluorobenzene	45.57			ug/L	50.0		91	75-120		

**LCS (B008090-BS1)**

Prepared & Analyzed: 08/06/20

Acetone	5.8		5.0	ug/L	10.0		58	50-150		
Benzene	4.7		1.0	ug/L	5.00		94	50-150		
Bromochloromethane	5.8		1.0	ug/L	5.00		115	50-150		
Bromodichloromethane	4.8		1.0	ug/L	5.00		97	50-150		
Bromoform	4.4		1.0	ug/L	5.00		88	50-150		
Bromomethane	3.2		1.0	ug/L	5.00		65	50-150		
2-Butanone (MEK)	6.4		5.0	ug/L	10.0		64	50-150		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008090 - GCMS-WATER-VOLATILES**

**LCS (B008090-BS1)**

Prepared & Analyzed: 08/06/20

Carbon disulfide	5.7		1.0	ug/L	5.00		114	50-150		
Carbon tetrachloride	5.3		1.0	ug/L	5.00		105	50-150		
Chlorobenzene	4.8		1.0	ug/L	5.00		96	50-150		
Chloroethane	5.2		1.0	ug/L	5.00		104	50-150		
Chloroform	5.0		1.0	ug/L	5.00		100	50-150		
Chloromethane	4.5		1.0	ug/L	5.00		89	50-150		
Dibromochloromethane	4.4		1.0	ug/L	5.00		87	50-150		
1,2-Dibromo-3-chloropropane	5.5		1.0	ug/L	5.00		110	50-150		
1,2-Dibromoethane (EDB)	4.8		1.0	ug/L	5.00		96	50-150		
Dibromomethane	4.9		1.0	ug/L	5.00		98	50-150		
1,2-Dichlorobenzene	5.1		1.0	ug/L	5.00		102	50-150		
1,4-Dichlorobenzene	5.2		1.0	ug/L	5.00		105	50-150		
1,1-Dichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
1,2-Dichloroethane	4.7		1.0	ug/L	5.00		94	50-150		
1,1-Dichloroethene	5.8		1.0	ug/L	5.00		115	50-150		
cis-1,2-Dichloroethene	4.9		1.0	ug/L	5.00		99	50-150		
trans-1,2-Dichloroethene	5.7		1.0	ug/L	5.00		113	50-150		
1,2-Dichloropropane	4.7		1.0	ug/L	5.00		93	50-150		
1,3-Dichloropropane	4.4		1.0	ug/L	5.00		88	50-150		
2,2-Dichloropropane	5.3		1.0	ug/L	5.00		105	50-150		
1,1-Dichloropropene	4.5		1.0	ug/L	5.00		90	50-150		
cis-1,3-Dichloropropene	3.9		1.0	ug/L	5.00		78	50-150		
trans-1,3-Dichloropropene	3.9		1.0	ug/L	5.00		78	50-150		
Ethylbenzene	4.5		1.0	ug/L	5.00		91	50-150		
2-Hexanone	7.0		5.0	ug/L	10.0		70	50-150		
Methyl tert-butyl ether (MTBE)	4.2		1.0	ug/L	5.00		84	50-150		
4-Methyl-2-pentanone	7.6		5.0	ug/L	10.0		76	50-150		
Methylene chloride	5.1		1.0	ug/L	5.00		101	0-200		
Methyl methacrylate	3.9	J	5.0	ug/L	5.00		79	50-150		
Styrene	4.2		1.0	ug/L	5.00		83	50-150		
1,1,1,2-Tetrachloroethane	4.8		1.0	ug/L	5.00		95	50-150		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008090 - GCMS-WATER-VOLATILES**

**LCS (B008090-BS1)**

Prepared & Analyzed: 08/06/20

1,1,2,2-Tetrachloroethane	5.1		1.0	ug/L	5.00		102	50-150		
Tetrachloroethene	4.9		1.0	ug/L	5.00		98	50-150		
Toluene	4.7		1.0	ug/L	5.00		94	50-150		
1,1,1-Trichloroethane	5.2		1.0	ug/L	5.00		104	50-150		
1,1,2-Trichloroethane	4.7		1.0	ug/L	5.00		95	50-150		
Trichloroethene	4.9		1.0	ug/L	5.00		98	50-150		
Trichlorofluoromethane (Freon 11)	5.2		1.0	ug/L	5.00		103	50-150		
1,2,3-Trichloropropane	4.4		1.0	ug/L	5.00		88	50-150		
Vinyl acetate	3.5		1.0	ug/L	5.00		69	50-150		
Vinyl chloride	4.7		1.0	ug/L	5.00		94	50-150		
o-Xylene	4.2		1.0	ug/L	5.00		85	50-150		
m- & p-Xylenes	8.9		1.0	ug/L	10.0		89	50-150		
Surrogate: 1,2-Dichloroethane-d4	49.46			ug/L	50.0		99	70-130		
Surrogate: Toluene-d8	49.01			ug/L	50.0		98	75-120		
Surrogate: 4-Bromofluorobenzene	49.24			ug/L	50.0		98	75-120		

**Duplicate (B008090-DUP1)**

Source: 0080524-02

Prepared & Analyzed: 08/06/20

Acetone	ND		5.0	ug/L		ND				20
Acrylonitrile	ND		5.0	ug/L		ND				20
Allyl chloride (3-Chloropropylene)	ND		1.0	ug/L		ND				20
Benzene	1.2		1.0	ug/L		1.2			4	20
Bromochloromethane	ND		1.0	ug/L		ND				20
Bromodichloromethane	ND		1.0	ug/L		ND				20
Bromoform	ND		1.0	ug/L		ND				20
Bromomethane	ND		1.0	ug/L		ND				20
2-Butanone (MEK)	ND		5.0	ug/L		ND				20
Carbon disulfide	ND		1.0	ug/L		ND				20
Carbon tetrachloride	ND		1.0	ug/L		ND				20
Chlorobenzene	2.0		1.0	ug/L		2.1			5	20
Chloroethane	1.5		1.0	ug/L		ND				20
Chloroform	ND		1.0	ug/L		ND				20
Chloromethane	ND		1.0	ug/L		ND				20



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008090 - GCMS-WATER-VOLATILES**

Duplicate (B008090-DUP1)	Source: 0080524-02	Prepared & Analyzed: 08/06/20			
Chloroprene	ND	1.0 ug/L	ND	20	
Dibromochloromethane	ND	1.0 ug/L	ND	20	
1,2-Dibromo-3-chloropropane	ND	1.0 ug/L	ND	20	
1,2-Dibromoethane (EDB)	ND	1.0 ug/L	ND	20	
Dibromomethane	ND	1.0 ug/L	ND	20	
1,2-Dichlorobenzene	1.0	1.0 ug/L	ND	20	
1,4-Dichlorobenzene	9.4	1.0 ug/L	9.5	0.7	20
trans-1,4-Dichloro-2-butene	ND	1.0 ug/L	ND	20	
1,1-Dichloroethane	11.5	1.0 ug/L	11.7	2	20
1,2-Dichloroethane	1.6	1.0 ug/L	1.6	2	20
1,1-Dichloroethene	ND	1.0 ug/L	ND	20	
cis-1,2-Dichloroethene	35.6	1.0 ug/L	35.8	0.5	20
trans-1,2-Dichloroethene	2.7	1.0 ug/L	2.8	2	20
1,2-Dichloropropane	2.9	1.0 ug/L	2.8	2	20
1,3-Dichloropropane	ND	1.0 ug/L	ND	20	
2,2-Dichloropropane	ND	1.0 ug/L	ND	20	
1,1-Dichloropropene	ND	1.0 ug/L	ND	20	
cis-1,3-Dichloropropene	ND	1.0 ug/L	ND	20	
trans-1,3-Dichloropropene	ND	1.0 ug/L	ND	20	
Ethyl methacrylate	ND	5.0 ug/L	ND	20	
Ethylbenzene	ND	1.0 ug/L	ND	20	
2-Hexanone	ND	5.0 ug/L	ND	20	
Isobutanol	ND	100 ug/L	ND	20	
Iodomethane	ND	1.0 ug/L	ND	20	
Methyl tert-butyl ether (MTBE)	ND	1.0 ug/L	1.0	20	
4-Methyl-2-pentanone	ND	5.0 ug/L	ND	20	
Methylene chloride	ND	1.0 ug/L	ND	20	
Methyl methacrylate	ND	5.0 ug/L	ND	20	
Styrene	ND	1.0 ug/L	ND	20	
1,1,1,2-Tetrachloroethane	ND	1.0 ug/L	ND	20	
1,1,2,2-Tetrachloroethane	ND	1.0 ug/L	ND	20	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008090 - GCMS-WATER-VOLATILES**

<b>Duplicate (B008090-DUP1)</b>		<b>Source: 0080524-02</b>			<b>Prepared &amp; Analyzed: 08/06/20</b>					
Tetrachloroethene	ND		1.0	ug/L		ND				20
Toluene	ND		1.0	ug/L		ND				20
1,1,1-Trichloroethane	ND		1.0	ug/L		ND				20
1,1,2-Trichloroethane	ND		1.0	ug/L		ND				20
Trichloroethene	1.7		1.0	ug/L		1.5			10	20
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L		ND				20
1,2,3-Trichloropropane	ND		1.0	ug/L		ND				20
Vinyl acetate	ND		1.0	ug/L		ND				20
Vinyl chloride	6.1		1.0	ug/L		6.4			4	20
o-Xylene	ND		1.0	ug/L		ND				20
m- & p-Xylenes	ND		1.0	ug/L		ND				20
<i>Surrogate: 1,2-Dichloroethane-d4</i>	<i>53.23</i>			<i>ug/L</i>	<i>50.0</i>		<i>106</i>	<i>70-130</i>		
<i>Surrogate: Toluene-d8</i>	<i>48.41</i>			<i>ug/L</i>	<i>50.0</i>		<i>97</i>	<i>75-120</i>		
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>45.08</i>			<i>ug/L</i>	<i>50.0</i>		<i>90</i>	<i>75-120</i>		

<b>Matrix Spike (B008090-MS1)</b>		<b>Source: 0080524-01</b>			<b>Prepared &amp; Analyzed: 08/06/20</b>					
Acetone	6.4		5.0	ug/L	10.0	3.5	28	60-120		
Benzene	10.1		1.0	ug/L	10.0	1.8	83	60-120		
Bromochloromethane	9.5		1.0	ug/L	10.0	ND	95	60-120		
Bromodichloromethane	8.7		1.0	ug/L	10.0	ND	87	60-120		
Bromoform	8.7		1.0	ug/L	10.0	ND	87	60-120		
Bromomethane	6.8		1.0	ug/L	10.0	ND	68	60-120		
2-Butanone (MEK)	6.8		5.0	ug/L	10.0	ND	68	60-120		
Carbon disulfide	9.6		1.0	ug/L	10.0	ND	96	60-120		
Carbon tetrachloride	9.3		1.0	ug/L	10.0	ND	93	60-120		
Chlorobenzene	11.8		1.0	ug/L	10.0	2.5	93	60-120		
Chloroethane	11.3		1.0	ug/L	10.0	ND	113	60-120		
Chloroform	8.7		1.0	ug/L	10.0	ND	87	60-120		
Chloromethane	8.1		1.0	ug/L	10.0	ND	81	60-120		
Dibromochloromethane	9.2		1.0	ug/L	10.0	ND	92	60-120		
1,2-Dibromo-3-chloropropane	10.7		1.0	ug/L	10.0	ND	107	60-120		
1,2-Dibromoethane (EDB)	9.1		1.0	ug/L	10.0	ND	91	60-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008090 - GCMS-WATER-VOLATILES**

Matrix Spike (B008090-MS1)	Source: 0080524-01		Prepared & Analyzed: 08/06/20							
Dibromomethane	7.8	1.0	ug/L	10.0	ND	78	60-120			
1,2-Dichlorobenzene	10.5	1.0	ug/L	10.0	1.4	90	60-120			
1,4-Dichlorobenzene	23.9	1.0	ug/L	10.0	15.2	87	60-120			
1,1-Dichloroethane	24.4	1.0	ug/L	10.0	17.4	70	60-120			
1,2-Dichloroethane	10.5	1.0	ug/L	10.0	2.5	80	60-120			
1,1-Dichloroethene	9.4	1.0	ug/L	10.0	ND	94	60-120			
cis-1,2-Dichloroethene	59.0	1.0	ug/L	10.0	54.9	40	60-120			
trans-1,2-Dichloroethene	12.5	1.0	ug/L	10.0	4.0	85	60-120			
1,2-Dichloropropane	12.8	1.0	ug/L	10.0	4.7	80	60-120			
1,3-Dichloropropane	8.9	1.0	ug/L	10.0	ND	89	60-120			
2,2-Dichloropropane	8.1	1.0	ug/L	10.0	ND	81	60-120			
1,1-Dichloropropene	8.3	1.0	ug/L	10.0	ND	83	60-120			
cis-1,3-Dichloropropene	7.7	1.0	ug/L	10.0	ND	77	60-120			
trans-1,3-Dichloropropene	8.0	1.0	ug/L	10.0	ND	80	60-120			
Ethylbenzene	8.6	1.0	ug/L	10.0	ND	86	60-120			
2-Hexanone	6.2	5.0	ug/L	10.0	ND	62	60-120			
Methyl tert-butyl ether (MTBE)	9.0	1.0	ug/L	10.0	1.7	73	60-120			
4-Methyl-2-pentanone	7.9	5.0	ug/L	10.0	ND	79	60-120			
Methylene chloride	8.5	1.0	ug/L	10.0	ND	85	60-120			
Methyl methacrylate	6.4	5.0	ug/L	10.0	ND	64	60-120			
Styrene	7.9	1.0	ug/L	10.0	ND	79	60-120			
1,1,1,2-Tetrachloroethane	9.7	1.0	ug/L	10.0	ND	97	60-120			
1,1,2,2-Tetrachloroethane	9.8	1.0	ug/L	10.0	ND	98	60-120			
Tetrachloroethene	9.4	1.0	ug/L	10.0	ND	94	60-120			
Toluene	9.5	1.0	ug/L	10.0	ND	95	60-120			
1,1,1-Trichloroethane	9.2	1.0	ug/L	10.0	ND	92	60-120			
1,1,2-Trichloroethane	9.5	1.0	ug/L	10.0	ND	95	60-120			
Trichloroethene	11.9	1.0	ug/L	10.0	2.9	90	60-120			
Trichlorofluoromethane (Freon 11)	9.6	1.0	ug/L	10.0	ND	96	60-120			
1,2,3-Trichloropropane	8.1	1.0	ug/L	10.0	ND	81	60-120			
Vinyl acetate	6.7	1.0	ug/L	10.0	ND	67	60-120			



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008090 - GCMS-WATER-VOLATILES**

Matrix Spike (B008090-MS1)	Source: 0080524-01	Prepared & Analyzed: 08/06/20
Vinyl chloride	17.3	1.0 ug/L 10.0 9.8 75 60-120
o-Xylene	8.4	1.0 ug/L 10.0 ND 84 60-120
m- & p-Xylenes	17.5	1.0 ug/L 20.0 ND 88 60-120
Surrogate: 1,2-Dichloroethane-d4	47.54	ug/L 50.0 95 70-130
Surrogate: Toluene-d8	49.70	ug/L 50.0 99 75-120
Surrogate: 4-Bromofluorobenzene	50.51	ug/L 50.0 101 75-120

**Batch B008119 - GCMS-WATER-VOLATILES**

Blank (B008119-BLK1)	Prepared & Analyzed: 08/10/20
Acetone	ND 5.0 ug/L
Acrylonitrile	ND 5.0 ug/L
Allyl chloride (3-Chloropropylene)	ND 1.0 ug/L
Benzene	ND 1.0 ug/L
Bromochloromethane	ND 1.0 ug/L
Bromodichloromethane	ND 1.0 ug/L
Bromoform	ND 1.0 ug/L
Bromomethane	ND 1.0 ug/L
2-Butanone (MEK)	ND 5.0 ug/L
Carbon disulfide	ND 1.0 ug/L
Carbon tetrachloride	ND 1.0 ug/L
Chlorobenzene	ND 1.0 ug/L
Chloroethane	ND 1.0 ug/L
Chloroform	ND 1.0 ug/L
Chloromethane	ND 1.0 ug/L
Chloroprene	ND 1.0 ug/L
Dibromochloromethane	ND 1.0 ug/L
1,2-Dibromo-3-chloropropane	ND 1.0 ug/L
1,2-Dibromoethane (EDB)	ND 1.0 ug/L
Dibromomethane	ND 1.0 ug/L
1,2-Dichlorobenzene	ND 1.0 ug/L
1,4-Dichlorobenzene	ND 1.0 ug/L



The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008119 - GCMS-WATER-VOLATILES**

**Blank (B008119-BLK1)**

Prepared & Analyzed: 08/10/20

trans-1,4-Dichloro-2-butene	ND		1.0	ug/L						
1,1-Dichloroethane	ND		1.0	ug/L						
1,2-Dichloroethane	ND		1.0	ug/L						
1,1-Dichloroethene	ND		1.0	ug/L						
cis-1,2-Dichloroethene	ND		1.0	ug/L						
trans-1,2-Dichloroethene	ND		1.0	ug/L						
1,2-Dichloropropane	ND		1.0	ug/L						
1,3-Dichloropropane	ND		1.0	ug/L						
2,2-Dichloropropane	ND		1.0	ug/L						
1,1-Dichloropropene	ND		1.0	ug/L						
cis-1,3-Dichloropropene	ND		1.0	ug/L						
trans-1,3-Dichloropropene	ND		1.0	ug/L						
Ethyl methacrylate	ND		5.0	ug/L						
Ethylbenzene	ND		1.0	ug/L						
2-Hexanone	ND		5.0	ug/L						
Isobutanol	ND		100	ug/L						
Iodomethane	ND		1.0	ug/L						
Methyl tert-butyl ether (MTBE)	ND		1.0	ug/L						
4-Methyl-2-pentanone	ND		5.0	ug/L						
Methylene chloride	ND		1.0	ug/L						
Methyl methacrylate	ND		5.0	ug/L						
Styrene	ND		1.0	ug/L						
1,1,1,2-Tetrachloroethane	ND		1.0	ug/L						
1,1,2,2-Tetrachloroethane	ND		1.0	ug/L						
Tetrachloroethene	ND		1.0	ug/L						
Toluene	ND		1.0	ug/L						
1,1,1-Trichloroethane	ND		1.0	ug/L						
1,1,2-Trichloroethane	ND		1.0	ug/L						
Trichloroethene	ND		1.0	ug/L						
Trichlorofluoromethane (Freon 11)	ND		1.0	ug/L						
1,2,3-Trichloropropane	ND		1.0	ug/L						



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008119 - GCMS-WATER-VOLATILES**

**Blank (B008119-BLK1)**

Prepared & Analyzed: 08/10/20

Vinyl acetate	ND		1.0	ug/L						
Vinyl chloride	ND		1.0	ug/L						
o-Xylene	ND		1.0	ug/L						
m- & p-Xylenes	ND		1.0	ug/L						
Surrogate: 1,2-Dichloroethane-d4	51.78			ug/L	50.0		104	70-130		
Surrogate: Toluene-d8	48.20			ug/L	50.0		96	75-120		
Surrogate: 4-Bromofluorobenzene	45.70			ug/L	50.0		91	75-120		

**LCS (B008119-BS1)**

Prepared & Analyzed: 08/10/20

Acetone	6.4		5.0	ug/L	10.0		64	50-150		
Benzene	5.0		1.0	ug/L	5.00		100	50-150		
Bromochloromethane	5.8		1.0	ug/L	5.00		115	50-150		
Bromodichloromethane	5.1		1.0	ug/L	5.00		103	50-150		
Bromoform	5.0		1.0	ug/L	5.00		100	50-150		
Bromomethane	4.4		1.0	ug/L	5.00		87	50-150		
2-Butanone (MEK)	6.9		5.0	ug/L	10.0		69	50-150		
Carbon disulfide	5.8		1.0	ug/L	5.00		117	50-150		
Carbon tetrachloride	5.6		1.0	ug/L	5.00		112	50-150		
Chlorobenzene	5.2		1.0	ug/L	5.00		103	50-150		
Chloroethane	5.3		1.0	ug/L	5.00		107	50-150		
Chloroform	5.5		1.0	ug/L	5.00		110	50-150		
Chloromethane	4.6		1.0	ug/L	5.00		92	50-150		
Dibromochloromethane	5.0		1.0	ug/L	5.00		100	50-150		
1,2-Dibromo-3-chloropropane	6.0		1.0	ug/L	5.00		120	50-150		
1,2-Dibromoethane (EDB)	5.3		1.0	ug/L	5.00		105	50-150		
Dibromomethane	5.5		1.0	ug/L	5.00		109	50-150		
1,2-Dichlorobenzene	5.4		1.0	ug/L	5.00		108	50-150		
1,4-Dichlorobenzene	5.6		1.0	ug/L	5.00		111	50-150		
1,1-Dichloroethane	4.9		1.0	ug/L	5.00		99	50-150		
1,2-Dichloroethane	4.9		1.0	ug/L	5.00		99	50-150		
1,1-Dichloroethene	5.5		1.0	ug/L	5.00		110	50-150		
cis-1,2-Dichloroethene	5.2		1.0	ug/L	5.00		105	50-150		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008119 - GCMS-WATER-VOLATILES**

**LCS (B008119-BS1)**

Prepared & Analyzed: 08/10/20

trans-1,2-Dichloroethene	5.4		1.0	ug/L	5.00		109	50-150		
1,2-Dichloropropane	5.0		1.0	ug/L	5.00		99	50-150		
1,3-Dichloropropane	4.9		1.0	ug/L	5.00		98	50-150		
2,2-Dichloropropane	5.5		1.0	ug/L	5.00		109	50-150		
1,1-Dichloropropene	4.7		1.0	ug/L	5.00		95	50-150		
cis-1,3-Dichloropropene	4.3		1.0	ug/L	5.00		86	50-150		
trans-1,3-Dichloropropene	4.3		1.0	ug/L	5.00		86	50-150		
Ethylbenzene	4.9		1.0	ug/L	5.00		97	50-150		
2-Hexanone	8.3		5.0	ug/L	10.0		83	50-150		
Methyl tert-butyl ether (MTBE)	4.4		1.0	ug/L	5.00		88	50-150		
4-Methyl-2-pentanone	9.7		5.0	ug/L	10.0		97	50-150		
Methylene chloride	5.4		1.0	ug/L	5.00		107	0-200		
Methyl methacrylate	4.4	J	5.0	ug/L	5.00		87	50-150		
Styrene	4.4		1.0	ug/L	5.00		88	50-150		
1,1,1,2-Tetrachloroethane	5.8		1.0	ug/L	5.00		116	50-150		
1,1,2,2-Tetrachloroethane	5.8		1.0	ug/L	5.00		116	50-150		
Tetrachloroethene	5.3		1.0	ug/L	5.00		106	50-150		
Toluene	5.4		1.0	ug/L	5.00		107	50-150		
1,1,1-Trichloroethane	5.4		1.0	ug/L	5.00		107	50-150		
1,1,2-Trichloroethane	5.3		1.0	ug/L	5.00		107	50-150		
Trichloroethene	5.2		1.0	ug/L	5.00		104	50-150		
Trichlorofluoromethane (Freon 11)	5.1		1.0	ug/L	5.00		102	50-150		
1,2,3-Trichloropropane	5.1		1.0	ug/L	5.00		102	50-150		
Vinyl acetate	4.0		1.0	ug/L	5.00		79	50-150		
Vinyl chloride	4.8		1.0	ug/L	5.00		96	50-150		
o-Xylene	4.7		1.0	ug/L	5.00		94	50-150		
m- & p-Xylenes	9.4		1.0	ug/L	10.0		94	50-150		
Surrogate: 1,2-Dichloroethane-d4	48.81			ug/L	50.0		98	70-130		
Surrogate: Toluene-d8	48.89			ug/L	50.0		98	75-120		
Surrogate: 4-Bromofluorobenzene	48.97			ug/L	50.0		98	75-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008119 - GCMS-WATER-VOLATILES**

Matrix Spike (B008119-MS1)	Source: 0080710-01			Prepared & Analyzed: 08/10/20						
Acetone	10.5		5.0	ug/L	10.0	4.4	61	60-120		
Benzene	9.6		1.0	ug/L	10.0	ND	96	60-120		
Bromochloromethane	10.8		1.0	ug/L	10.0	ND	108	60-120		
Bromodichloromethane	10.5		1.0	ug/L	10.0	ND	105	60-120		
Bromoform	10.0		1.0	ug/L	10.0	ND	100	60-120		
Bromomethane	8.2		1.0	ug/L	10.0	ND	82	60-120		
2-Butanone (MEK)	7.7		5.0	ug/L	10.0	1.8	59	60-120		
Carbon disulfide	10.8		1.0	ug/L	10.0	ND	108	60-120		
Carbon tetrachloride	10.6		1.0	ug/L	10.0	ND	106	60-120		
Chlorobenzene	10.0		1.0	ug/L	10.0	ND	100	60-120		
Chloroethane	10.7		1.0	ug/L	10.0	ND	107	60-120		
Chloroform	12.9		1.0	ug/L	10.0	3.8	92	60-120		
Chloromethane	9.3		1.0	ug/L	10.0	ND	93	60-120		
Dibromochloromethane	10.0		1.0	ug/L	10.0	ND	100	60-120		
1,2-Dibromo-3-chloropropane	10.2		1.0	ug/L	10.0	ND	102	60-120		
1,2-Dibromoethane (EDB)	9.5		1.0	ug/L	10.0	ND	95	60-120		
Dibromomethane	9.6		1.0	ug/L	10.0	ND	96	60-120		
1,2-Dichlorobenzene	9.9		1.0	ug/L	10.0	ND	99	60-120		
1,4-Dichlorobenzene	10.0		1.0	ug/L	10.0	ND	100	60-120		
1,1-Dichloroethane	9.7		1.0	ug/L	10.0	ND	97	60-120		
1,2-Dichloroethane	9.5		1.0	ug/L	10.0	ND	95	60-120		
1,1-Dichloroethene	10.7		1.0	ug/L	10.0	ND	107	60-120		
cis-1,2-Dichloroethene	9.4		1.0	ug/L	10.0	ND	94	60-120		
trans-1,2-Dichloroethene	10.1		1.0	ug/L	10.0	ND	101	60-120		
1,2-Dichloropropane	9.8		1.0	ug/L	10.0	ND	98	60-120		
1,3-Dichloropropane	9.3		1.0	ug/L	10.0	ND	93	60-120		
2,2-Dichloropropane	8.1		1.0	ug/L	10.0	ND	81	60-120		
1,1-Dichloropropene	9.0		1.0	ug/L	10.0	ND	90	60-120		
cis-1,3-Dichloropropene	7.9		1.0	ug/L	10.0	ND	79	60-120		
trans-1,3-Dichloropropene	8.0		1.0	ug/L	10.0	ND	80	60-120		
Ethylbenzene	9.2		1.0	ug/L	10.0	ND	92	60-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008119 - GCMS-WATER-VOLATILES**

Matrix Spike (B008119-MS1)	Source: 0080710-01			Prepared & Analyzed: 08/10/20						
2-Hexanone	7.3		5.0	ug/L	10.0	ND	73	60-120		
Methyl tert-butyl ether (MTBE)	8.6		1.0	ug/L	10.0	ND	86	60-120		
4-Methyl-2-pentanone	7.8		5.0	ug/L	10.0	ND	78	60-120		
Methylene chloride	9.6		1.0	ug/L	10.0	ND	96	60-120		
Methyl methacrylate	6.8		5.0	ug/L	10.0	ND	68	60-120		
Styrene	8.4		1.0	ug/L	10.0	ND	84	60-120		
1,1,1,2-Tetrachloroethane	10.7		1.0	ug/L	10.0	ND	107	60-120		
1,1,2,2-Tetrachloroethane	9.9		1.0	ug/L	10.0	ND	99	60-120		
Tetrachloroethene	10.5		1.0	ug/L	10.0	ND	105	60-120		
Toluene	10.1		1.0	ug/L	10.0	ND	101	60-120		
1,1,1-Trichloroethane	10.2		1.0	ug/L	10.0	ND	102	60-120		
1,1,2-Trichloroethane	9.8		1.0	ug/L	10.0	ND	98	60-120		
Trichloroethene	11.6		1.0	ug/L	10.0	1.4	101	60-120		
Trichlorofluoromethane (Freon 11)	10.8		1.0	ug/L	10.0	ND	108	60-120		
1,2,3-Trichloropropane	8.6		1.0	ug/L	10.0	ND	86	60-120		
Vinyl acetate	6.2		1.0	ug/L	10.0	ND	62	60-120		
Vinyl chloride	9.9		1.0	ug/L	10.0	ND	99	60-120		
o-Xylene	9.1		1.0	ug/L	10.0	ND	91	60-120		
m- & p-Xylenes	18.9		1.0	ug/L	20.0	ND	94	60-120		
Surrogate: 1,2-Dichloroethane-d4	47.44			ug/L	50.0		95	70-130		
Surrogate: Toluene-d8	48.95			ug/L	50.0		98	75-120		
Surrogate: 4-Bromofluorobenzene	49.80			ug/L	50.0		100	75-120		

Matrix Spike Dup (B008119-MSD1)	Source: 0080710-01			Prepared & Analyzed: 08/10/20						
Acetone	11.8		5.0	ug/L	10.0	4.4	74	60-120	11	15
Benzene	10.1		1.0	ug/L	10.0	ND	101	60-120	5	15
Bromochloromethane	11.3		1.0	ug/L	10.0	ND	113	60-120	4	15
Bromodichloromethane	10.7		1.0	ug/L	10.0	ND	107	60-120	2	15
Bromoform	10.4		1.0	ug/L	10.0	ND	104	60-120	4	15
Bromomethane	8.6		1.0	ug/L	10.0	ND	86	60-120	5	15
2-Butanone (MEK)	8.8		5.0	ug/L	10.0	1.8	70	60-120	13	15
Carbon disulfide	11.5		1.0	ug/L	10.0	ND	115	60-120	7	15



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008119 - GCMS-WATER-VOLATILES**

Matrix Spike Dup (B008119-MSD1)	Source: 0080710-01			Prepared & Analyzed: 08/10/20						
Carbon tetrachloride	10.9	1.0	ug/L	10.0	ND	109	60-120	3	15	
Chlorobenzene	10.8	1.0	ug/L	10.0	ND	108	60-120	7	15	
Chloroethane	10.9	1.0	ug/L	10.0	ND	109	60-120	2	15	
Chloroform	12.8	1.0	ug/L	10.0	3.8	90	60-120	1	15	
Chloromethane	9.5	1.0	ug/L	10.0	ND	95	60-120	3	15	
Dibromochloromethane	10.9	1.0	ug/L	10.0	ND	109	60-120	9	15	
1,2-Dibromo-3-chloropropane	11.2	1.0	ug/L	10.0	ND	112	60-120	9	15	
1,2-Dibromoethane (EDB)	10.7	1.0	ug/L	10.0	ND	107	60-120	12	15	
Dibromomethane	9.9	1.0	ug/L	10.0	ND	99	60-120	3	15	
1,2-Dichlorobenzene	10.2	1.0	ug/L	10.0	ND	102	60-120	2	15	
1,4-Dichlorobenzene	10.5	1.0	ug/L	10.0	ND	105	60-120	5	15	
1,1-Dichloroethane	10.0	1.0	ug/L	10.0	ND	100	60-120	3	15	
1,2-Dichloroethane	9.7	1.0	ug/L	10.0	ND	97	60-120	2	15	
1,1-Dichloroethene	10.8	1.0	ug/L	10.0	ND	108	60-120	0.2	15	
cis-1,2-Dichloroethene	10.1	1.0	ug/L	10.0	ND	101	60-120	7	15	
trans-1,2-Dichloroethene	10.4	1.0	ug/L	10.0	ND	104	60-120	3	15	
1,2-Dichloropropane	9.9	1.0	ug/L	10.0	ND	99	60-120	0.8	15	
1,3-Dichloropropane	10.4	1.0	ug/L	10.0	ND	104	60-120	10	15	
2,2-Dichloropropane	8.2	1.0	ug/L	10.0	ND	82	60-120	0.9	15	
1,1-Dichloropropene	9.5	1.0	ug/L	10.0	ND	95	60-120	6	15	
cis-1,3-Dichloropropene	8.5	1.0	ug/L	10.0	ND	85	60-120	7	15	
trans-1,3-Dichloropropene	8.4	1.0	ug/L	10.0	ND	84	60-120	5	15	
Ethylbenzene	9.6	1.0	ug/L	10.0	ND	96	60-120	4	15	
2-Hexanone	8.2	5.0	ug/L	10.0	ND	82	60-120	12	15	
Methyl tert-butyl ether (MTBE)	9.1	1.0	ug/L	10.0	ND	91	60-120	5	15	
4-Methyl-2-pentanone	9.4	5.0	ug/L	10.0	ND	94	60-120	19	15	
Methylene chloride	9.7	1.0	ug/L	10.0	ND	97	60-120	1	15	
Methyl methacrylate	7.6	5.0	ug/L	10.0	ND	76	60-120	11	15	
Styrene	9.1	1.0	ug/L	10.0	ND	91	60-120	8	15	
1,1,1,2-Tetrachloroethane	11.6	1.0	ug/L	10.0	ND	116	60-120	8	15	
1,1,2,2-Tetrachloroethane	11.1	1.0	ug/L	10.0	ND	111	60-120	11	15	



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**Volatile Organics by EPA 8260B (GC/MS) - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008119 - GCMS-WATER-VOLATILES**

Matrix Spike Dup (B008119-MSD1)	Source: 0080710-01	Prepared & Analyzed: 08/10/20
Tetrachloroethene	11.0	1.0 ug/L 10.0 ND 110 60-120 5 15
Toluene	10.3	1.0 ug/L 10.0 ND 103 60-120 1 15
1,1,1-Trichloroethane	10.4	1.0 ug/L 10.0 ND 104 60-120 2 15
1,1,2-Trichloroethane	10.5	1.0 ug/L 10.0 ND 105 60-120 7 15
Trichloroethene	12.2	1.0 ug/L 10.0 1.4 108 60-120 6 15
Trichlorofluoromethane (Freon 11)	11.1	1.0 ug/L 10.0 ND 111 60-120 3 15
1,2,3-Trichloropropane	10.2	1.0 ug/L 10.0 ND 102 60-120 18 15
Vinyl acetate	5.8	1.0 ug/L 10.0 ND 58 60-120 7 15
Vinyl chloride	10.1	1.0 ug/L 10.0 ND 101 60-120 2 15
o-Xylene	9.5	1.0 ug/L 10.0 ND 95 60-120 4 15
m- & p-Xylenes	19.8	1.0 ug/L 20.0 ND 99 60-120 5 15
Surrogate: 1,2-Dichloroethane-d4	46.40	ug/L 50.0 93 70-130
Surrogate: Toluene-d8	48.68	ug/L 50.0 97 75-120
Surrogate: 4-Bromofluorobenzene	49.66	ug/L 50.0 99 75-120



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**EDB and DBCP by EPA 8011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007405 - 504.1 EDB/DBCP**

**Blank (B007405-BLK1)**

Prepared & Analyzed: 07/30/20

1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						

**LCS (B007405-BS1)**

Prepared & Analyzed: 07/30/20

1,2-Dibromo-3-chloropropane	0.250		0.050	ug/L	0.286		88	50-150		
1,2-Dibromoethane (EDB)	0.290		0.020	ug/L	0.286		101	50-150		

**Matrix Spike (B007405-MS1)**

Source: 0072723-01

Prepared & Analyzed: 07/30/20

1,2-Dibromo-3-chloropropane	0.489		0.048	ug/L	0.685	ND	71	50-150		
1,2-Dibromoethane (EDB)	0.573		0.019	ug/L	0.685	ND	84	50-150		

**Reference (B007405-SRM1)**

Prepared & Analyzed: 07/30/20

1,2-Dibromo-3-chloropropane	0.058		0.050	ug/L	0.0571		101	0-200		
1,2-Dibromoethane (EDB)	0.061		0.020	ug/L	0.0571		106	0-200		

**Batch B007431 - 504.1 EDB/DBCP**

**Blank (B007431-BLK1)**

Prepared & Analyzed: 07/31/20

1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						

**LCS (B007431-BS1)**

Prepared & Analyzed: 07/31/20

1,2-Dibromo-3-chloropropane	0.212		0.050	ug/L	0.286		74	50-150		
1,2-Dibromoethane (EDB)	0.241		0.020	ug/L	0.286		84	50-150		

**Matrix Spike (B007431-MS1)**

Source: 0072915-01

Prepared & Analyzed: 07/31/20

1,2-Dibromo-3-chloropropane	0.444		0.047	ug/L	0.668	ND	66	50-150		
1,2-Dibromoethane (EDB)	0.595		0.019	ug/L	0.668	ND	89	50-150		



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**EDB and DBCP by EPA 8011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007431 - 504.1 EDB/DBCP**

**Reference (B007431-SRM1)**

Prepared & Analyzed: 07/31/20

1,2-Dibromo-3-chloropropane	0.063		0.050	ug/L	0.0571		110	0-200		
1,2-Dibromoethane (EDB)	0.058		0.020	ug/L	0.0571		101	0-200		

**Batch B008121 - 504.1 EDB/DBCP**

**Blank (B008121-BLK1)**

Prepared & Analyzed: 08/10/20

1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						

**LCS (B008121-BS1)**

Prepared & Analyzed: 08/10/20

1,2-Dibromo-3-chloropropane	0.228		0.050	ug/L	0.286		80	50-150		
1,2-Dibromoethane (EDB)	0.227		0.020	ug/L	0.286		80	50-150		

**Matrix Spike (B008121-MS1)**

Source: 0080406-01

Prepared & Analyzed: 08/10/20

1,2-Dibromo-3-chloropropane	0.389		0.047	ug/L	0.674	ND	58	50-150		
1,2-Dibromoethane (EDB)	0.396		0.019	ug/L	0.674	ND	59	50-150		

**Reference (B008121-SRM1)**

Prepared & Analyzed: 08/10/20

1,2-Dibromo-3-chloropropane	0.031		0.050	ug/L	0.0571		55	0-200		
1,2-Dibromoethane (EDB)	0.040		0.020	ug/L	0.0571		70	0-200		

**Batch B008164 - 504.1 EDB/DBCP**

**Blank (B008164-BLK1)**

Prepared & Analyzed: 08/11/20

1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**EDB and DBCP by EPA 8011 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008164 - 504.1 EDB/DBCP**

**LCS (B008164-BS1)**

Prepared & Analyzed: 08/11/20

1,2-Dibromo-3-chloropropane	0.260		0.050	ug/L	0.286		91	50-150		
1,2-Dibromoethane (EDB)	0.276		0.020	ug/L	0.286		97	50-150		

**Reference (B008164-SRM1)**

Prepared & Analyzed: 08/11/20

1,2-Dibromo-3-chloropropane	0.054		0.050	ug/L	0.0571		95	0-200		
1,2-Dibromoethane (EDB)	0.039		0.020	ug/L	0.0571		69	0-200		

**Batch B008190 - 504.1 EDB/DBCP**

**Blank (B008190-BLK1)**

Prepared & Analyzed: 08/12/20

1,2-Dibromo-3-chloropropane	ND		0.050	ug/L						
1,2-Dibromoethane (EDB)	ND		0.020	ug/L						

**LCS (B008190-BS1)**

Prepared & Analyzed: 08/12/20

1,2-Dibromo-3-chloropropane	0.188		0.050	ug/L	0.286		66	50-150		
1,2-Dibromoethane (EDB)	0.198		0.020	ug/L	0.286		69	50-150		

**Matrix Spike (B008190-MS1)**

Source: 0080617-08

Prepared & Analyzed: 08/12/20

1,2-Dibromo-3-chloropropane	0.594		0.050	ug/L	0.714	ND	83	50-150		
1,2-Dibromoethane (EDB)	0.658		0.020	ug/L	0.714	ND	92	50-150		

**Reference (B008190-SRM1)**

Prepared & Analyzed: 08/12/20

1,2-Dibromo-3-chloropropane	0.036		0.050	ug/L	0.0571		64	0-200		
1,2-Dibromoethane (EDB)	0.035		0.020	ug/L	0.0571		60	0-200		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:  
08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007354 - 3010A-Metals Digestion**

**Blank (B007354-BLK1)**

Prepared & Analyzed: 07/28/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	117	B	80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	ND		100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

**LCS (B007354-BS1)**

Prepared & Analyzed: 07/28/20

Antimony	44.9		1.00	ug/L	50.0		90	80-120		
Arsenic	48.1		1.00	ug/L	50.0		96	80-120		
Barium	46.8		1.00	ug/L	50.0		94	80-120		
Beryllium	47.5		1.00	ug/L	50.0		95	80-120		
Cadmium	47.6		1.00	ug/L	50.0		95	80-120		
Calcium	4910	B	80.0	ug/L	5000		98	80-120		
Chromium	48.3		1.00	ug/L	50.0		97	80-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

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**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007354 - 3010A-Metals Digestion**

**LCS (B007354-BS1)**

Prepared & Analyzed: 07/28/20

Cobalt	49.7		1.00	ug/L	50.0		99	80-120		
Copper	50.5		1.00	ug/L	50.0		101	80-120		
Iron	4920		100	ug/L	5000		98	80-120		
Lead	46.9		1.00	ug/L	50.0		94	80-120		
Magnesium	4920		100	ug/L	5000		98	80-120		
Manganese	48.7		1.00	ug/L	50.0		97	80-120		
Mercury	2.34		0.100	ug/L	2.50		94	80-120		
Nickel	49.4		1.00	ug/L	50.0		99	80-120		
Potassium	4940		100	ug/L	5000		99	80-120		
Selenium	47.8		1.00	ug/L	50.0		96	80-120		
Silver	50.9		1.00	ug/L	50.0		102	80-120		
Sodium	5060		100	ug/L	5000		101	80-120		
Thallium	47.8		1.00	ug/L	50.0		96	80-120		
Vanadium	46.8		1.00	ug/L	50.0		94	80-120		
Zinc	97.9		4.00	ug/L	100		98	80-120		

**Duplicate (B007354-DUP1)**

Source: 0072723-01

Prepared & Analyzed: 07/28/20

Hardness as CaCO3	128000		500	ug/L		131000			2	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	174		1.00	ug/L		177			1	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	20600	B	80.0	ug/L		20900			2	200
Chromium	3.06		1.00	ug/L		3.24			6	200
Cobalt	16.8		1.00	ug/L		17.2			2	200
Copper	3.73		1.00	ug/L		3.74			0.04	200
Iron	915		100	ug/L		913			0.2	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	18600		100	ug/L		19000			2	200
Manganese	591		1.00	ug/L		603			2	200
Mercury	0.120		0.100	ug/L		0.107			11	200



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007354 - 3010A-Metals Digestion**

Duplicate (B007354-DUP1)		Source: 0072723-01			Prepared & Analyzed: 07/28/20					
Nickel	10.4		1.00	ug/L	10.7		3	200		
Potassium	2550		100	ug/L	2590		1	200		
Selenium	ND		1.00	ug/L	ND			200		
Silver	ND		1.00	ug/L	ND			200		
Sodium	14100		100	ug/L	14400		2	200		
Thallium	ND		1.00	ug/L	ND			200		
Vanadium	1.91		1.00	ug/L	1.96		2	200		
Zinc	13.2		4.00	ug/L	13.2		0.01	200		

Matrix Spike (B007354-MS1)		Source: 0072723-01			Prepared & Analyzed: 07/28/20					
Antimony	46.1		1.00	ug/L	50.0	ND	92	60-140		
Arsenic	47.8		1.00	ug/L	50.0	ND	96	60-140		
Barium	225		1.00	ug/L	50.0	177	96	60-140		
Beryllium	48.2		1.00	ug/L	50.0	ND	96	60-140		
Cadmium	48.7		1.00	ug/L	50.0	ND	97	60-140		
Calcium	25500	B	80.0	ug/L	5000	20900	92	60-140		
Chromium	51.2		1.00	ug/L	50.0	3.24	96	60-140		
Cobalt	65.6		1.00	ug/L	50.0	17.2	97	60-140		
Copper	52.8		1.00	ug/L	50.0	3.74	98	60-140		
Iron	5810		100	ug/L	5000	913	98	60-140		
Lead	48.4		1.00	ug/L	50.0	ND	97	60-140		
Magnesium	23600		100	ug/L	5000	19000	91	60-140		
Manganese	645		1.00	ug/L	50.0	603	83	60-140		
Mercury	2.57		0.100	ug/L	2.50	0.107	98	60-140		
Nickel	58.5		1.00	ug/L	50.0	10.7	96	60-140		
Potassium	7660		100	ug/L	5000	2590	102	60-140		
Selenium	47.5		1.00	ug/L	50.0	ND	95	60-140		
Silver	50.9		1.00	ug/L	50.0	ND	102	60-140		
Sodium	18900		100	ug/L	5000	14400	89	60-140		
Thallium	49.1		1.00	ug/L	50.0	ND	98	60-140		
Vanadium	49.1		1.00	ug/L	50.0	1.96	94	60-140		
Zinc	109		4.00	ug/L	100	13.2	96	60-140		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007381 - 3010A-Metals Digestion**

**Blank (B007381-BLK1)**

Prepared: 07/29/20 Analyzed: 07/30/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	ND		80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	ND		100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

**LCS (B007381-BS1)**

Prepared: 07/29/20 Analyzed: 07/30/20

Antimony	45.2		1.00	ug/L	50.0		90	80-120		
Arsenic	48.1		1.00	ug/L	50.0		96	80-120		
Barium	47.5		1.00	ug/L	50.0		95	80-120		
Beryllium	49.3		1.00	ug/L	50.0		99	80-120		
Cadmium	48.4		1.00	ug/L	50.0		97	80-120		
Calcium	4760		80.0	ug/L	5000		95	80-120		
Chromium	48.7		1.00	ug/L	50.0		97	80-120		



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007381 - 3010A-Metals Digestion**

**LCS (B007381-BS1)**

Prepared: 07/29/20 Analyzed: 07/30/20

Cobalt	50.5		1.00	ug/L	50.0		101	80-120		
Copper	51.8		1.00	ug/L	50.0		104	80-120		
Iron	4990		100	ug/L	5000		100	80-120		
Lead	46.5		1.00	ug/L	50.0		93	80-120		
Magnesium	4930		100	ug/L	5000		99	80-120		
Manganese	48.4		1.00	ug/L	50.0		97	80-120		
Mercury	2.35		0.100	ug/L	2.50		94	80-120		
Nickel	49.7		1.00	ug/L	50.0		99	80-120		
Potassium	4870		100	ug/L	5000		97	80-120		
Selenium	46.8		1.00	ug/L	50.0		94	80-120		
Silver	52.9		1.00	ug/L	50.0		106	80-120		
Sodium	5130		100	ug/L	5000		103	80-120		
Thallium	47.5		1.00	ug/L	50.0		95	80-120		
Vanadium	47.1		1.00	ug/L	50.0		94	80-120		
Zinc	97.9		4.00	ug/L	100		98	80-120		

**Duplicate (B007381-DUP1)**

Source: 0072819-01

Prepared: 07/29/20 Analyzed: 07/30/20

Hardness as CaCO3	395000		500	ug/L		397000		0.7		200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	21.5		1.00	ug/L		21.6		0.9		200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	97700		80.0	ug/L		98300		0.6		200
Chromium	4.17		1.00	ug/L		1.14		114		200
Cobalt	1.02		1.00	ug/L		1.00		2		200
Copper	ND		1.00	ug/L		ND				200
Iron	4960		100	ug/L		4990		0.5		200
Lead	ND		1.00	ug/L		ND				200
Magnesium	36600		100	ug/L		36900		0.8		200
Manganese	1340	E	1.00	ug/L		1360		1		200
Mercury	ND		0.100	ug/L		ND				200



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007381 - 3010A-Metals Digestion**

<b>Duplicate (B007381-DUP1)</b>		<b>Source: 0072819-01</b>		Prepared: 07/29/20		Analyzed: 07/30/20		
Nickel	6.37		1.00	ug/L	6.32		0.7	200
Potassium	5200		100	ug/L	5220		0.3	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	86100		100	ug/L	86300		0.2	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	ND			200
Zinc	ND		4.00	ug/L	ND			200

<b>Matrix Spike (B007381-MS1)</b>		<b>Source: 0072819-01</b>		Prepared: 07/29/20		Analyzed: 07/30/20		
Antimony	46.5		1.00	ug/L	50.0	ND	93	60-140
Arsenic	48.2		1.00	ug/L	50.0	ND	96	60-140
Barium	68.2		1.00	ug/L	50.0	21.6	93	60-140
Beryllium	50.4		1.00	ug/L	50.0	ND	101	60-140
Cadmium	48.2		1.00	ug/L	50.0	ND	96	60-140
Calcium	102000	E	80.0	ug/L	5000	98300	66	60-140
Chromium	49.7		1.00	ug/L	50.0	1.14	97	60-140
Cobalt	48.9		1.00	ug/L	50.0	1.00	96	60-140
Copper	49.1		1.00	ug/L	50.0	ND	98	60-140
Iron	9880		100	ug/L	5000	4990	98	60-140
Lead	46.7		1.00	ug/L	50.0	ND	93	60-140
Magnesium	41100		100	ug/L	5000	36900	83	60-140
Manganese	1370	QM-4X, E	1.00	ug/L	50.0	1360	22	60-140
Mercury	2.45		0.100	ug/L	2.50	ND	98	60-140
Nickel	52.5		1.00	ug/L	50.0	6.32	92	60-140
Potassium	10200		100	ug/L	5000	5220	100	60-140
Selenium	46.6		1.00	ug/L	50.0	ND	93	60-140
Silver	51.4		1.00	ug/L	50.0	ND	103	60-140
Sodium	89900		100	ug/L	5000	86300	73	60-140
Thallium	47.9		1.00	ug/L	50.0	ND	96	60-140
Vanadium	47.8		1.00	ug/L	50.0	ND	96	60-140
Zinc	94.9		4.00	ug/L	100	ND	95	60-140



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Cory Koons, Laboratory Manager



**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007427 - 3010A-Metals Digestion**

**Blank (B007427-BLK1)**

Prepared & Analyzed: 07/31/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	101	B	80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	ND		100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

**LCS (B007427-BS1)**

Prepared & Analyzed: 07/31/20

Antimony	45.5		1.00	ug/L	50.0		91	80-120		
Arsenic	48.0		1.00	ug/L	50.0		96	80-120		
Barium	47.3		1.00	ug/L	50.0		95	80-120		
Beryllium	48.3		1.00	ug/L	50.0		97	80-120		
Cadmium	47.6		1.00	ug/L	50.0		95	80-120		
Calcium	4910	B	80.0	ug/L	5000		98	80-120		
Chromium	48.6		1.00	ug/L	50.0		97	80-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007427 - 3010A-Metals Digestion**

**LCS (B007427-BS1)**

Prepared & Analyzed: 07/31/20

Cobalt	49.7		1.00	ug/L	50.0		99	80-120		
Copper	50.9		1.00	ug/L	50.0		102	80-120		
Iron	4920		100	ug/L	5000		98	80-120		
Lead	46.9		1.00	ug/L	50.0		94	80-120		
Magnesium	4930		100	ug/L	5000		99	80-120		
Manganese	48.5		1.00	ug/L	50.0		97	80-120		
Mercury	2.32		0.100	ug/L	2.50		93	80-120		
Nickel	49.2		1.00	ug/L	50.0		98	80-120		
Potassium	4930		100	ug/L	5000		99	80-120		
Selenium	47.9		1.00	ug/L	50.0		96	80-120		
Silver	51.4		1.00	ug/L	50.0		103	80-120		
Sodium	5040		100	ug/L	5000		101	80-120		
Thallium	48.2		1.00	ug/L	50.0		96	80-120		
Vanadium	46.5		1.00	ug/L	50.0		93	80-120		
Zinc	98.9		4.00	ug/L	100		99	80-120		

**Duplicate (B007427-DUP1)**

Source: 0072910-01

Prepared & Analyzed: 07/31/20

Hardness as CaCO3	204000		500	ug/L		209000			2	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	108		1.00	ug/L		110			2	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	59300	B	80.0	ug/L		60800			3	200
Chromium	ND		1.00	ug/L		ND				200
Cobalt	1.23		1.00	ug/L		1.31			6	200
Copper	ND		1.00	ug/L		ND				200
Iron	16.2	J	100	ug/L		16.9			4	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	13500		100	ug/L		13800			2	200
Manganese	163		1.00	ug/L		165			2	200
Mercury	ND		0.100	ug/L		ND				200



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007427 - 3010A-Metals Digestion**

<b>Duplicate (B007427-DUP1)</b>		<b>Source: 0072910-01</b>		<b>Prepared &amp; Analyzed: 07/31/20</b>						
Nickel	ND		1.00	ug/L	1.25					200
Potassium	3950		100	ug/L	4070				3	200
Selenium	1.23		1.00	ug/L	1.16				6	200
Silver	ND		1.00	ug/L	ND					200
Sodium	158000	E	100	ug/L	164000				4	200
Thallium	ND		1.00	ug/L	ND					200
Vanadium	ND		1.00	ug/L	ND					200
Zinc	13.7		4.00	ug/L	14.3				4	200

<b>Matrix Spike (B007427-MS1)</b>		<b>Source: 0072910-01</b>		<b>Prepared &amp; Analyzed: 07/31/20</b>						
Antimony	47.3		1.00	ug/L	50.0	ND	95	60-140		
Arsenic	48.9		1.00	ug/L	50.0	ND	98	60-140		
Barium	159		1.00	ug/L	50.0	110	100	60-140		
Beryllium	50.4		1.00	ug/L	50.0	ND	101	60-140		
Cadmium	48.0		1.00	ug/L	50.0	ND	96	60-140		
Calcium	65800	B	80.0	ug/L	5000	60800	100	60-140		
Chromium	49.1		1.00	ug/L	50.0	ND	98	60-140		
Cobalt	50.3		1.00	ug/L	50.0	1.31	98	60-140		
Copper	49.2		1.00	ug/L	50.0	ND	98	60-140		
Iron	4950		100	ug/L	5000	16.9	99	60-140		
Lead	48.1		1.00	ug/L	50.0	ND	96	60-140		
Magnesium	18700		100	ug/L	5000	13800	98	60-140		
Manganese	214		1.00	ug/L	50.0	165	98	60-140		
Mercury	2.47		0.100	ug/L	2.50	ND	99	60-140		
Nickel	48.4		1.00	ug/L	50.0	1.25	94	60-140		
Potassium	9160		100	ug/L	5000	4070	102	60-140		
Selenium	48.3		1.00	ug/L	50.0	1.16	94	60-140		
Silver	50.2		1.00	ug/L	50.0	ND	100	60-140		
Sodium	167000	QM-4X, E	100	ug/L	5000	164000	58	60-140		
Thallium	49.4		1.00	ug/L	50.0	ND	99	60-140		
Vanadium	48.5		1.00	ug/L	50.0	ND	97	60-140		
Zinc	110		4.00	ug/L	100	14.3	96	60-140		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007444 - 3010A-Metals Digestion**

**Blank (B007444-BLK1)**

Prepared: 07/31/20 Analyzed: 08/03/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	ND		80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	ND		100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

**LCS (B007444-BS1)**

Prepared: 07/31/20 Analyzed: 08/03/20

Antimony	45.4		1.00	ug/L	50.0		91	80-120		
Arsenic	49.0		1.00	ug/L	50.0		98	80-120		
Barium	47.8		1.00	ug/L	50.0		96	80-120		
Beryllium	51.7		1.00	ug/L	50.0		103	80-120		
Cadmium	48.7		1.00	ug/L	50.0		97	80-120		
Calcium	4860		80.0	ug/L	5000		97	80-120		
Chromium	49.5		1.00	ug/L	50.0		99	80-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007444 - 3010A-Metals Digestion**

**LCS (B007444-BS1)**

Prepared: 07/31/20 Analyzed: 08/03/20

Cobalt	51.6		1.00	ug/L	50.0		103	80-120		
Copper	52.3		1.00	ug/L	50.0		105	80-120		
Iron	5070		100	ug/L	5000		101	80-120		
Lead	46.9		1.00	ug/L	50.0		94	80-120		
Magnesium	5020		100	ug/L	5000		100	80-120		
Manganese	49.0		1.00	ug/L	50.0		98	80-120		
Mercury	2.43		0.100	ug/L	2.50		97	80-120		
Nickel	48.7		1.00	ug/L	50.0		97	80-120		
Potassium	4970		100	ug/L	5000		99	80-120		
Selenium	46.8		1.00	ug/L	50.0		94	80-120		
Silver	53.0		1.00	ug/L	50.0		106	80-120		
Sodium	5150		100	ug/L	5000		103	80-120		
Thallium	48.6		1.00	ug/L	50.0		97	80-120		
Vanadium	48.5		1.00	ug/L	50.0		97	80-120		
Zinc	99.4		4.00	ug/L	100		99	80-120		

**Duplicate (B007444-DUP1)**

Source: 0073021-01

Prepared: 07/31/20 Analyzed: 08/03/20

Hardness as CaCO3	31200		500	ug/L		31200		0.2		200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	3.24		1.00	ug/L		3.17		2		200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	5460		80.0	ug/L		5460		0.03		200
Chromium	12.4		1.00	ug/L		12.3		1		200
Cobalt	ND		1.00	ug/L		ND				200
Copper	2.35		1.00	ug/L		2.40		2		200
Iron	765		100	ug/L		774		1		200
Lead	ND		1.00	ug/L		ND				200
Magnesium	4280		100	ug/L		4260		0.4		200
Manganese	18.5		1.00	ug/L		19.1		3		200
Mercury	ND		0.100	ug/L		ND				200



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Reported:  
08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007444 - 3010A-Metals Digestion**

<b>Duplicate (B007444-DUP1)</b>		<b>Source: 0073021-01</b>		<b>Prepared: 07/31/20</b>		<b>Analyzed: 08/03/20</b>	
Nickel	8.52	1.00	ug/L	7.21		17	200
Potassium	1140	100	ug/L	1150		0.5	200
Selenium	ND	1.00	ug/L	ND			200
Silver	ND	1.00	ug/L	ND			200
Sodium	7980	100	ug/L	8000		0.2	200
Thallium	ND	1.00	ug/L	ND			200
Vanadium	1.79	1.00	ug/L	1.82		2	200
Zinc	4.92	4.00	ug/L	4.69		5	200

<b>Matrix Spike (B007444-MS1)</b>		<b>Source: 0073021-01</b>		<b>Prepared: 07/31/20</b>		<b>Analyzed: 08/03/20</b>	
Antimony	45.6	1.00	ug/L	50.0	ND	91	60-140
Arsenic	48.4	1.00	ug/L	50.0	ND	97	60-140
Barium	50.4	1.00	ug/L	50.0	3.17	94	60-140
Beryllium	50.6	1.00	ug/L	50.0	ND	101	60-140
Cadmium	49.0	1.00	ug/L	50.0	ND	98	60-140
Calcium	10200	80.0	ug/L	5000	5460	95	60-140
Chromium	62.0	1.00	ug/L	50.0	12.3	99	60-140
Cobalt	51.4	1.00	ug/L	50.0	ND	103	60-140
Copper	53.7	1.00	ug/L	50.0	2.40	103	60-140
Iron	5770	100	ug/L	5000	774	100	60-140
Lead	47.4	1.00	ug/L	50.0	ND	95	60-140
Magnesium	9460	100	ug/L	5000	4260	104	60-140
Manganese	67.6	1.00	ug/L	50.0	19.1	97	60-140
Mercury	2.41	0.100	ug/L	2.50	ND	97	60-140
Nickel	56.1	1.00	ug/L	50.0	7.21	98	60-140
Potassium	5990	100	ug/L	5000	1150	97	60-140
Selenium	47.1	1.00	ug/L	50.0	ND	94	60-140
Silver	52.7	1.00	ug/L	50.0	ND	105	60-140
Sodium	12900	100	ug/L	5000	8000	98	60-140
Thallium	49.0	1.00	ug/L	50.0	ND	98	60-140
Vanadium	49.6	1.00	ug/L	50.0	1.82	95	60-140
Zinc	104	4.00	ug/L	100	4.69	99	60-140



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:  
08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008030 - 3010A-Metals Digestion**

**Blank (B008030-BLK1)**

Prepared: 08/03/20 Analyzed: 08/04/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	ND		80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	ND		100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

**LCS (B008030-BS1)**

Prepared: 08/03/20 Analyzed: 08/04/20

Antimony	45.6		1.00	ug/L	50.0		91	80-120		
Arsenic	48.9		1.00	ug/L	50.0		98	80-120		
Barium	47.3		1.00	ug/L	50.0		95	80-120		
Beryllium	47.9		1.00	ug/L	50.0		96	80-120		
Cadmium	48.3		1.00	ug/L	50.0		97	80-120		
Calcium	4880		80.0	ug/L	5000		98	80-120		
Chromium	48.1		1.00	ug/L	50.0		96	80-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008030 - 3010A-Metals Digestion**

**LCS (B008030-BS1)**

Prepared: 08/03/20 Analyzed: 08/04/20

Cobalt	50.4		1.00	ug/L	50.0		101	80-120		
Copper	51.6		1.00	ug/L	50.0		103	80-120		
Iron	4950		100	ug/L	5000		99	80-120		
Lead	47.6		1.00	ug/L	50.0		95	80-120		
Magnesium	5020		100	ug/L	5000		100	80-120		
Manganese	49.2		1.00	ug/L	50.0		98	80-120		
Mercury	2.39		0.100	ug/L	2.50		96	80-120		
Nickel	50.1		1.00	ug/L	50.0		100	80-120		
Potassium	4950		100	ug/L	5000		99	80-120		
Selenium	47.1		1.00	ug/L	50.0		94	80-120		
Silver	52.2		1.00	ug/L	50.0		104	80-120		
Sodium	5250		100	ug/L	5000		105	80-120		
Thallium	49.5		1.00	ug/L	50.0		99	80-120		
Vanadium	47.2		1.00	ug/L	50.0		94	80-120		
Zinc	100		4.00	ug/L	100		100	80-120		

**Duplicate (B008030-DUP1)**

Source: 0080306-01

Prepared: 08/03/20 Analyzed: 08/04/20

Hardness as CaCO3	224000		500	ug/L		228000			1	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	ND		1.00	ug/L		ND				200
Barium	18.4		1.00	ug/L		18.7			2	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	39600		80.0	ug/L		40000			1	200
Chromium	1.45		1.00	ug/L		1.48			2	200
Cobalt	ND		1.00	ug/L		ND				200
Copper	ND		1.00	ug/L		ND				200
Iron	54.2	J	100	ug/L		52.8			2	200
Lead	ND		1.00	ug/L		ND				200
Magnesium	30500		100	ug/L		31000			2	200
Manganese	177		1.00	ug/L		179			1	200
Mercury	ND		0.100	ug/L		ND				200



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008030 - 3010A-Metals Digestion**

<b>Duplicate (B008030-DUP1)</b>		<b>Source: 0080306-01</b>		Prepared: 08/03/20		Analyzed: 08/04/20	
Nickel	8.95	1.00	ug/L	9.53		6	200
Potassium	6450	100	ug/L	6540		1	200
Selenium	ND	1.00	ug/L	ND			200
Silver	ND	1.00	ug/L	ND			200
Sodium	32900	100	ug/L	33500		2	200
Thallium	ND	1.00	ug/L	ND			200
Vanadium	ND	1.00	ug/L	ND			200
Zinc	4.97	4.00	ug/L	4.66		6	200

<b>Matrix Spike (B008030-MS1)</b>		<b>Source: 0080306-01</b>		Prepared: 08/03/20		Analyzed: 08/04/20	
Antimony	47.7	1.00	ug/L	50.0	ND	95	60-140
Arsenic	48.4	1.00	ug/L	50.0	ND	97	60-140
Barium	67.1	1.00	ug/L	50.0	18.7	97	60-140
Beryllium	49.8	1.00	ug/L	50.0	ND	100	60-140
Cadmium	48.8	1.00	ug/L	50.0	ND	98	60-140
Calcium	45300	80.0	ug/L	5000	40000	107	60-140
Chromium	50.0	1.00	ug/L	50.0	1.48	97	60-140
Cobalt	48.9	1.00	ug/L	50.0	ND	98	60-140
Copper	49.7	1.00	ug/L	50.0	ND	99	60-140
Iron	5020	100	ug/L	5000	52.8	99	60-140
Lead	48.1	1.00	ug/L	50.0	ND	96	60-140
Magnesium	36200	100	ug/L	5000	31000	103	60-140
Manganese	231	1.00	ug/L	50.0	179	103	60-140
Mercury	2.63	0.100	ug/L	2.50	ND	105	60-140
Nickel	56.4	1.00	ug/L	50.0	9.53	94	60-140
Potassium	11800	100	ug/L	5000	6540	105	60-140
Selenium	38.0	1.00	ug/L	50.0	ND	76	60-140
Silver	52.1	1.00	ug/L	50.0	ND	104	60-140
Sodium	38800	100	ug/L	5000	33500	105	60-140
Thallium	50.6	1.00	ug/L	50.0	ND	101	60-140
Vanadium	49.0	1.00	ug/L	50.0	ND	98	60-140
Zinc	102	4.00	ug/L	100	4.66	97	60-140



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008108 - 3010A-Metals Digestion**

**Blank (B008108-BLK1)**

Prepared & Analyzed: 08/07/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	96.0	B	80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	ND		100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

**LCS (B008108-BS1)**

Prepared & Analyzed: 08/07/20

Antimony	47.6		1.00	ug/L	50.0		95	80-120		
Arsenic	48.6		1.00	ug/L	50.0		97	80-120		
Barium	49.5		1.00	ug/L	50.0		99	80-120		
Beryllium	48.9		1.00	ug/L	50.0		98	80-120		
Cadmium	48.5		1.00	ug/L	50.0		97	80-120		
Calcium	4860	B	80.0	ug/L	5000		97	80-120		
Chromium	51.0		1.00	ug/L	50.0		102	80-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008108 - 3010A-Metals Digestion**

**LCS (B008108-BS1)**

Prepared & Analyzed: 08/07/20

Cobalt	50.6		1.00	ug/L	50.0		101	80-120		
Copper	51.4		1.00	ug/L	50.0		103	80-120		
Iron	5220		100	ug/L	5000		104	80-120		
Lead	48.6		1.00	ug/L	50.0		97	80-120		
Magnesium	4810		100	ug/L	5000		96	80-120		
Manganese	50.8		1.00	ug/L	50.0		102	80-120		
Mercury	2.41		0.100	ug/L	2.50		96	80-120		
Nickel	49.0		1.00	ug/L	50.0		98	80-120		
Potassium	4930		100	ug/L	5000		99	80-120		
Selenium	46.9		1.00	ug/L	50.0		94	80-120		
Silver	52.1		1.00	ug/L	50.0		104	80-120		
Sodium	4930		100	ug/L	5000		99	80-120		
Thallium	51.2		1.00	ug/L	50.0		102	80-120		
Vanadium	49.4		1.00	ug/L	50.0		99	80-120		
Zinc	98.7		4.00	ug/L	100		99	80-120		

**Duplicate (B008108-DUP1)**

Source: 0080524-01

Prepared & Analyzed: 08/07/20

Hardness as CaCO3	350000		500	ug/L		350000		0.04		200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	2.32		1.00	ug/L		2.39		3		200
Barium	455		1.00	ug/L		448		2		200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	65000	B	80.0	ug/L		65200		0.3		200
Chromium	1.90		1.00	ug/L		1.87		2		200
Cobalt	50.2		1.00	ug/L		49.3		2		200
Copper	ND		1.00	ug/L		ND				200
Iron	22600		100	ug/L		22200		2		200
Lead	ND		1.00	ug/L		ND				200
Magnesium	45700		100	ug/L		45500		0.3		200
Manganese	20500	E	1.00	ug/L		21900		7		200
Mercury	ND		0.100	ug/L		ND				200



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:  
08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008108 - 3010A-Metals Digestion**

Duplicate (B008108-DUP1)		Source: 0080524-01		Prepared & Analyzed: 08/07/20						
Nickel	15.2		1.00	ug/L	14.6				4	200
Potassium	7330		100	ug/L	7390				0.8	200
Selenium	ND		1.00	ug/L	ND					200
Silver	ND		1.00	ug/L	ND					200
Sodium	53600		100	ug/L	54400				1	200
Thallium	1.03		1.00	ug/L	ND					200
Vanadium	ND		1.00	ug/L	ND					200
Zinc	8.10		4.00	ug/L	8.07				0.4	200

Matrix Spike (B008108-MS1)		Source: 0080524-01		Prepared & Analyzed: 08/07/20						
Antimony	49.0		1.00	ug/L	50.0	ND	98	60-140		
Arsenic	50.0		1.00	ug/L	50.0	2.39	95	60-140		
Barium	500		1.00	ug/L	50.0	448	104	60-140		
Beryllium	49.7		1.00	ug/L	50.0	ND	99	60-140		
Cadmium	48.7		1.00	ug/L	50.0	ND	97	60-140		
Calcium	69000	B	80.0	ug/L	5000	65200	76	60-140		
Chromium	52.2		1.00	ug/L	50.0	1.87	101	60-140		
Cobalt	97.5		1.00	ug/L	50.0	49.3	96	60-140		
Copper	47.9		1.00	ug/L	50.0	ND	96	60-140		
Iron	27600		100	ug/L	5000	22200	107	60-140		
Lead	48.7		1.00	ug/L	50.0	ND	97	60-140		
Magnesium	49500		100	ug/L	5000	45500	79	60-140		
Manganese	20200	QM-4X, E	1.00	ug/L	50.0	21900	NR	60-140		
Mercury	2.50		0.100	ug/L	2.50	ND	100	60-140		
Nickel	60.7		1.00	ug/L	50.0	14.6	92	60-140		
Potassium	12400		100	ug/L	5000	7390	100	60-140		
Selenium	45.3		1.00	ug/L	50.0	ND	91	60-140		
Silver	51.7		1.00	ug/L	50.0	ND	103	60-140		
Sodium	58100		100	ug/L	5000	54400	75	60-140		
Thallium	52.6		1.00	ug/L	50.0	ND	105	60-140		
Vanadium	49.7		1.00	ug/L	50.0	ND	99	60-140		
Zinc	99.8		4.00	ug/L	100	8.07	92	60-140		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
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08/27/20 14:36

**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008160 - 3010A-Metals Digestion**

**Blank (B008160-BLK1)**

Prepared & Analyzed: 08/11/20

Hardness as CaCO3	ND		500	ug/L						
Antimony	ND		1.00	ug/L						
Arsenic	ND		1.00	ug/L						
Barium	ND		1.00	ug/L						
Beryllium	ND		1.00	ug/L						
Cadmium	ND		1.00	ug/L						
Calcium	ND		80.0	ug/L						
Chromium	ND		1.00	ug/L						
Cobalt	ND		1.00	ug/L						
Copper	ND		1.00	ug/L						
Iron	32.5	J	100	ug/L						
Lead	ND		1.00	ug/L						
Magnesium	ND		100	ug/L						
Manganese	ND		1.00	ug/L						
Mercury	ND		0.100	ug/L						
Nickel	ND		1.00	ug/L						
Potassium	ND		100	ug/L						
Selenium	ND		1.00	ug/L						
Silver	ND		1.00	ug/L						
Sodium	ND		100	ug/L						
Thallium	ND		1.00	ug/L						
Vanadium	ND		1.00	ug/L						
Zinc	ND		4.00	ug/L						

**LCS (B008160-BS1)**

Prepared & Analyzed: 08/11/20

Antimony	48.0		1.00	ug/L	50.0		96	80-120		
Arsenic	48.3		1.00	ug/L	50.0		97	80-120		
Barium	48.5		1.00	ug/L	50.0		97	80-120		
Beryllium	51.1		1.00	ug/L	50.0		102	80-120		
Cadmium	48.6		1.00	ug/L	50.0		97	80-120		
Calcium	4800		80.0	ug/L	5000		96	80-120		
Chromium	50.6		1.00	ug/L	50.0		101	80-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

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**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008160 - 3010A-Metals Digestion**

**LCS (B008160-BS1)**

Prepared & Analyzed: 08/11/20

Cobalt	50.0		1.00	ug/L	50.0		100	80-120		
Copper	51.6		1.00	ug/L	50.0		103	80-120		
Iron	5100		100	ug/L	5000		102	80-120		
Lead	49.0		1.00	ug/L	50.0		98	80-120		
Magnesium	4760		100	ug/L	5000		95	80-120		
Manganese	50.8		1.00	ug/L	50.0		102	80-120		
Mercury	2.57		0.100	ug/L	2.50		103	80-120		
Nickel	49.4		1.00	ug/L	50.0		99	80-120		
Potassium	4930		100	ug/L	5000		99	80-120		
Selenium	46.8		1.00	ug/L	50.0		94	80-120		
Silver	53.5		1.00	ug/L	50.0		107	80-120		
Sodium	4900		100	ug/L	5000		98	80-120		
Thallium	50.9		1.00	ug/L	50.0		102	80-120		
Vanadium	49.4		1.00	ug/L	50.0		99	80-120		
Zinc	98.6		4.00	ug/L	100		99	80-120		

**Duplicate (B008160-DUP1)**

Source: 0080713-01

Prepared & Analyzed: 08/11/20

Hardness as CaCO3	264000		500	ug/L		268000			2	200
Antimony	ND		1.00	ug/L		ND				200
Arsenic	1.86		1.00	ug/L		1.82			2	200
Barium	59.1		1.00	ug/L		59.0			0.04	200
Beryllium	ND		1.00	ug/L		ND				200
Cadmium	ND		1.00	ug/L		ND				200
Calcium	27600		80.0	ug/L		27700			0.6	200
Chromium	ND		1.00	ug/L		ND				200
Cobalt	ND		1.00	ug/L		ND				200
Copper	1.70		1.00	ug/L		1.68			1	200
Iron	20.9	J	100	ug/L		21.9			5	200
Lead	2.10		1.00	ug/L		2.13			2	200
Magnesium	47300		100	ug/L		48300			2	200
Manganese	3.13		1.00	ug/L		3.17			1	200
Mercury	ND		0.100	ug/L		ND				200



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

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**TOTAL METALS ANALYSIS BY EPA 6020B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008160 - 3010A-Metals Digestion**

<b>Duplicate (B008160-DUP1)</b>		<b>Source: 0080713-01</b>			<b>Prepared &amp; Analyzed: 08/11/20</b>			
Nickel	8.69		1.00	ug/L	8.72		0.4	200
Potassium	35300		100	ug/L	35600		0.9	200
Selenium	ND		1.00	ug/L	ND			200
Silver	ND		1.00	ug/L	ND			200
Sodium	145000	E	100	ug/L	153000		5	200
Thallium	ND		1.00	ug/L	ND			200
Vanadium	ND		1.00	ug/L	ND			200
Zinc	16.8		4.00	ug/L	16.7		0.3	200

<b>Matrix Spike (B008160-MS1)</b>		<b>Source: 0080713-01</b>			<b>Prepared &amp; Analyzed: 08/11/20</b>			
Antimony	49.7		1.00	ug/L	50.0	ND	99	60-140
Arsenic	50.3		1.00	ug/L	50.0	1.82	97	60-140
Barium	109		1.00	ug/L	50.0	59.0	100	60-140
Beryllium	51.7		1.00	ug/L	50.0	ND	103	60-140
Cadmium	47.9		1.00	ug/L	50.0	ND	96	60-140
Calcium	32700		80.0	ug/L	5000	27700	101	60-140
Chromium	49.3		1.00	ug/L	50.0	ND	99	60-140
Cobalt	48.6		1.00	ug/L	50.0	ND	97	60-140
Copper	50.3		1.00	ug/L	50.0	1.68	97	60-140
Iron	4970		100	ug/L	5000	21.9	99	60-140
Lead	50.3		1.00	ug/L	50.0	2.13	96	60-140
Magnesium	52800		100	ug/L	5000	48300	90	60-140
Manganese	52.3		1.00	ug/L	50.0	3.17	98	60-140
Mercury	2.54		0.100	ug/L	2.50	ND	102	60-140
Nickel	55.7		1.00	ug/L	50.0	8.72	94	60-140
Potassium	40600		100	ug/L	5000	35600	99	60-140
Selenium	47.0		1.00	ug/L	50.0	ND	94	60-140
Silver	50.7		1.00	ug/L	50.0	ND	101	60-140
Sodium	153000	QM-4X, E	100	ug/L	5000	153000	8	60-140
Thallium	49.9		1.00	ug/L	50.0	ND	100	60-140
Vanadium	50.3		1.00	ug/L	50.0	ND	101	60-140
Zinc	111		4.00	ug/L	100	16.7	95	60-140



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**CHEMICAL OXYGEN DEMAND BY EPA 410.4 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B007357 - COD (03) Prep</b>										
<b>Blank (B007357-BLK1)</b>					Prepared & Analyzed: 07/28/20					
COD	ND		3.0	mg/L						
<b>LCS (B007357-BS1)</b>					Prepared & Analyzed: 07/28/20					
COD	53.3		3.0	mg/L	50.0		107	90-110		
<b>Duplicate (B007357-DUP1)</b>					Source: 0072723-01		Prepared & Analyzed: 07/28/20			
COD	14.0		3.0	mg/L		12.7			10	20
<b>Matrix Spike (B007357-MS1)</b>					Source: 0072723-01		Prepared & Analyzed: 07/28/20			
COD	68.0	QM-07	3.0	mg/L	50.0	12.7	111	90-110		
<b>Batch B007383 - COD (03) Prep</b>										
<b>Blank (B007383-BLK1)</b>					Prepared & Analyzed: 07/29/20					
COD	ND		3.0	mg/L						
<b>LCS (B007383-BS1)</b>					Prepared & Analyzed: 07/29/20					
COD	54.1		3.0	mg/L	50.0		108	90-110		
<b>Duplicate (B007383-DUP1)</b>					Source: 0072819-01		Prepared & Analyzed: 07/29/20			
COD	25.1		3.0	mg/L		24.8			1	20
<b>Matrix Spike (B007383-MS1)</b>					Source: 0072819-01		Prepared & Analyzed: 07/29/20			
COD	79.6		3.0	mg/L	50.0	24.8	110	90-110		
<b>Batch B007428 - COD (03) Prep</b>										
<b>Blank (B007428-BLK1)</b>					Prepared & Analyzed: 07/31/20					
COD	ND		3.0	mg/L						



Cory Koons, Laboratory Manager

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Project Number: 1556404  
Project Manager: Laura Oakes

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08/27/20 14:36

**CHEMICAL OXYGEN DEMAND BY EPA 410.4 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007428 - COD (03) Prep**

**LCS (B007428-BS1)**

Prepared & Analyzed: 07/31/20

COD	52.8		3.0	mg/L	50.0		106	90-110		
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**Duplicate (B007428-DUP1)**

Source: 0072915-01

Prepared & Analyzed: 07/31/20

COD	45.3		3.0	mg/L		46.9			3	20
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**Matrix Spike (B007428-MS1)**

Source: 0072915-01

Prepared & Analyzed: 07/31/20

COD	97.4		3.0	mg/L	50.0	46.9	101	90-110		
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**Batch B008035 - COD (03) Prep**

**Blank (B008035-BLK1)**

Prepared & Analyzed: 08/04/20

COD	ND		3.0	mg/L						
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**LCS (B008035-BS1)**

Prepared & Analyzed: 08/04/20

COD	54.8		3.0	mg/L	50.0		110	90-110		
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**Duplicate (B008035-DUP1)**

Source: 0080306-01

Prepared & Analyzed: 08/04/20

COD	18.1		3.0	mg/L		15.9			13	20
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**Matrix Spike (B008035-MS1)**

Source: 0080306-01

Prepared & Analyzed: 08/04/20

COD	73.0	QM-07	3.0	mg/L	50.0	15.9	114	90-110		
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**Batch B008092 - COD (03) Prep**

**Blank (B008092-BLK1)**

Prepared & Analyzed: 08/06/20

COD	ND		3.0	mg/L						
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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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08/27/20 14:36

**CHEMICAL OXYGEN DEMAND BY EPA 410.4 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B008092 - COD (03) Prep</b>										
<b>LCS (B008092-BS1)</b>					Prepared & Analyzed: 08/06/20					
COD	51.0		3.0	mg/L	50.0		102	90-110		
<b>Duplicate (B008092-DUP1)</b>					Source: 0080524-01		Prepared & Analyzed: 08/06/20			
COD	29.4		3.0	mg/L		26.1			12	20
<b>Matrix Spike (B008092-MS1)</b>					Source: 0080524-01		Prepared & Analyzed: 08/06/20			
COD	81.9	QM-07	3.0	mg/L	50.0	26.1	112	90-110		
<b>Batch B008114 - COD (03) Prep</b>										
<b>Blank (B008114-BLK1)</b>					Prepared & Analyzed: 08/07/20					
COD	ND		3.0	mg/L						
<b>LCS (B008114-BS1)</b>					Prepared & Analyzed: 08/07/20					
COD	54.5		3.0	mg/L	50.0		109	90-110		
<b>Duplicate (B008114-DUP1)</b>					Source: 0080617-01		Prepared & Analyzed: 08/07/20			
COD	14.1		3.0	mg/L		15.6			10	20
<b>Matrix Spike (B008114-MS1)</b>					Source: 0080617-01		Prepared & Analyzed: 08/07/20			
COD	68.1		3.0	mg/L	50.0	15.6	105	90-110		



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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**CONDUCTIVITY BY SM2510 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B007369 - Conductivity</b>										
<b>Duplicate (B007369-DUP1)</b>			<b>Source: 0072723-01</b>		<b>Prepared &amp; Analyzed: 07/28/20</b>					
Conductivity	406			uS/cm		395			3	200
<b>Duplicate (B007369-DUP2)</b>			<b>Source: 0072819-01</b>		<b>Prepared &amp; Analyzed: 07/28/20</b>					
Conductivity	1210			uS/cm		1210			0.2	200
<b>Batch B007417 - Conductivity</b>										
<b>Duplicate (B007417-DUP1)</b>			<b>Source: 0072915-01</b>		<b>Prepared &amp; Analyzed: 07/30/20</b>					
Conductivity	1520			uS/cm		1520			0.1	200
<b>Duplicate (B007417-DUP2)</b>			<b>Source: 0073021-01</b>		<b>Prepared &amp; Analyzed: 07/30/20</b>					
Conductivity	87.2			uS/cm		87.3			0.2	200
<b>Batch B008047 - Conductivity</b>										
<b>Duplicate (B008047-DUP1)</b>			<b>Source: 0080306-01</b>		<b>Prepared &amp; Analyzed: 08/05/20</b>					
Conductivity	5870			uS/cm		5890			0.3	200
<b>Duplicate (B008047-DUP2)</b>			<b>Source: 0080306-05</b>		<b>Prepared &amp; Analyzed: 08/05/20</b>					
Conductivity	413			uS/cm		412			0.2	200
<b>Batch B008100 - Conductivity</b>										
<b>Duplicate (B008100-DUP1)</b>			<b>Source: 0080524-01</b>		<b>Prepared &amp; Analyzed: 08/06/20</b>					
Conductivity	1190			uS/cm		1210			1	200



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
 Project Manager: Laura Oakes

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 Reported:

08/27/20 14:36

**CONDUCTIVITY BY SM2510 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008118 - Conductivity**

Duplicate (B008118-DUP1)	Source: 0080617-01	Prepared & Analyzed: 08/10/20
Conductivity	229	uS/cm
	229	0.1
		200



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
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**Total Suspended Solids by USGS I-3765-85 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007355 - TSS PREP**

<b>Blank (B007355-BLK1)</b>					Prepared: 07/28/20 Analyzed: 07/29/20					
Solids, Suspended	ND		2.5	mg/L						

<b>LCS (B007355-BS1)</b>					Prepared: 07/28/20 Analyzed: 07/29/20					
Solids, Suspended	61.3		2.5	mg/L	58.7		104	70-130		

<b>Duplicate (B007355-DUP1)</b>					Source: 0072723-03 Prepared: 07/28/20 Analyzed: 07/29/20					
Solids, Suspended	ND		4.7	mg/L		ND			9	20

**Batch B007385 - TSS PREP**

<b>Blank (B007385-BLK1)</b>					Prepared: 07/29/20 Analyzed: 07/30/20					
Solids, Suspended	ND		2.5	mg/L						

<b>LCS (B007385-BS1)</b>					Prepared: 07/29/20 Analyzed: 07/30/20					
Solids, Suspended	57.9		2.5	mg/L	55.9		104	70-130		

<b>Duplicate (B007385-DUP1)</b>					Source: 0072819-03 Prepared: 07/29/20 Analyzed: 07/30/20					
Solids, Suspended	7.8		6.1	mg/L		7.1			9	20

**Batch B007402 - TSS PREP**

<b>Blank (B007402-BLK1)</b>					Prepared: 07/30/20 Analyzed: 07/31/20					
Solids, Suspended	ND		2.5	mg/L						

<b>LCS (B007402-BS1)</b>					Prepared: 07/30/20 Analyzed: 07/31/20					
Solids, Suspended	55.1		2.5	mg/L	53.2		104	70-130		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**Total Suspended Solids by USGS I-3765-85 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007402 - TSS PREP**

<b>Duplicate (B007402-DUP1)</b>		<b>Source: 0072915-02</b>		Prepared: 07/30/20 Analyzed: 07/31/20					
Solids, Suspended	30.5		6.6	mg/L	31.0	2	20		

**Batch B008002 - TSS PREP**

<b>Blank (B008002-BLK1)</b>				Prepared: 08/03/20 Analyzed: 08/04/20					
Solids, Suspended	ND		2.5	mg/L					

<b>LCS (B008002-BS1)</b>				Prepared: 08/03/20 Analyzed: 08/04/20					
Solids, Suspended	64.5		2.5	mg/L	61.2	105	70-130		

<b>Duplicate (B008002-DUP1)</b>		<b>Source: 0073021-03</b>		Prepared: 08/03/20 Analyzed: 08/04/20					
Solids, Suspended	4.0		4.0	mg/L	5.0	21	20		

**Batch B008039 - TSS PREP**

<b>Blank (B008039-BLK1)</b>				Prepared: 08/04/20 Analyzed: 08/05/20					
Solids, Suspended	ND		2.5	mg/L					

<b>LCS (B008039-BS1)</b>				Prepared: 08/04/20 Analyzed: 08/05/20					
Solids, Suspended	53.6		2.5	mg/L	52.4	102	70-130		

<b>Duplicate (B008039-DUP1)</b>		<b>Source: 0080306-03</b>		Prepared: 08/04/20 Analyzed: 08/05/20					
Solids, Suspended	17.9		5.8	mg/L	18.8	5	20		

**Batch B008087 - TSS PREP**

<b>Blank (B008087-BLK1)</b>				Prepared: 08/06/20 Analyzed: 08/07/20					
Solids, Suspended	ND		2.5	mg/L					



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Project Manager: Laura Oakes

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**Total Suspended Solids by USGS I-3765-85 - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B008087 - TSS PREP</b>										
<b>LCS (B008087-BS1)</b>					Prepared: 08/06/20 Analyzed: 08/07/20					
Solids, Suspended	65.5		2.5	mg/L	63.2		104	70-130		
<b>Duplicate (B008087-DUP1)</b>					Source: 0080524-03		Prepared: 08/06/20 Analyzed: 08/07/20			
Solids, Suspended	566		8.6	mg/L		539			5	20
<b>Batch B008111 - TSS PREP</b>										
<b>Blank (B008111-BLK1)</b>					Prepared: 08/07/20 Analyzed: 08/10/20					
Solids, Suspended	ND		2.5	mg/L						
<b>LCS (B008111-BS1)</b>					Prepared: 08/07/20 Analyzed: 08/10/20					
Solids, Suspended	52.8		2.5	mg/L	62.9		84	70-130		
<b>Duplicate (B008111-DUP1)</b>					Source: 0080617-03		Prepared: 08/07/20 Analyzed: 08/10/20			
Solids, Suspended	49.3		8.9	mg/L		117			82	20



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Project Manager: Laura Oakes

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**Total Dissolved Solids by SM 2540C - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B007382 - TDS Prep**

<b>Blank (B007382-BLK1)</b>					Prepared: 07/29/20 Analyzed: 07/31/20					
Solids, Dissolved	ND		10.0	mg/L						

<b>LCS (B007382-BS1)</b>					Prepared: 07/29/20 Analyzed: 07/31/20					
Solids, Dissolved	750		10.0	mg/L	746		101	90-110		

<b>Duplicate (B007382-DUP1)</b>					Source: 0072723-01 Prepared: 07/29/20 Analyzed: 07/31/20					
Solids, Dissolved	256		10.0	mg/L		268			4	20

**Batch B007429 - TDS Prep**

<b>Blank (B007429-BLK1)</b>					Prepared: 07/31/20 Analyzed: 08/03/20					
Solids, Dissolved	ND		10.0	mg/L						

<b>LCS (B007429-BS1)</b>					Prepared: 07/31/20 Analyzed: 08/03/20					
Solids, Dissolved	729		10.0	mg/L	728		100	90-110		

<b>Duplicate (B007429-DUP1)</b>					Source: 0072915-01 Prepared: 07/31/20 Analyzed: 08/03/20					
Solids, Dissolved	792		10.0	mg/L		774			2	20

**Batch B008104 - TDS Prep**

<b>Blank (B008104-BLK1)</b>					Prepared: 08/06/20 Analyzed: 08/07/20					
Solids, Dissolved	ND		10.0	mg/L						

<b>LCS (B008104-BS1)</b>					Prepared: 08/06/20 Analyzed: 08/07/20					
Solids, Dissolved	749		10.0	mg/L	746		100	90-110		



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Project Manager: Laura Oakes

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**Total Dissolved Solids by SM 2540C - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B008104 - TDS Prep**

<b>Duplicate (B008104-DUP1)</b>		<b>Source: 0080306-01</b>		Prepared: 08/06/20 Analyzed: 08/07/20					
Solids, Dissolved	392		10.0	mg/L	385			2	20

**Batch B008132 - TDS Prep**

<b>Blank (B008132-BLK1)</b>				Prepared: 08/07/20 Analyzed: 08/10/20					
Solids, Dissolved	ND		10.0	mg/L					

<b>LCS (B008132-BS1)</b>				Prepared: 08/07/20 Analyzed: 08/10/20					
Solids, Dissolved	731		10.0	mg/L	725		101	90-110	

<b>Duplicate (B008132-DUP1)</b>		<b>Source: 0080524-01</b>		Prepared: 08/07/20 Analyzed: 08/10/20					
Solids, Dissolved	659		10.0	mg/L	652			1	20



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**Wet Chemistry - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B0G0217 - Method 300.0**

**LCS (B0G0217-BS1)**

Prepared: 07/28/20 Analyzed: 07/29/20

Chloride	1.0		0.5	mg/L	1.00		101	90-110		
Nitrate (as N)	0.97		0.20	mg/L	1.00		97.0	90-110		
Sulfate	9.72		1.00	mg/L	10.0		97.2	90-110		

**Duplicate (B0G0217-DUP1)**

Source: 0072723-01

Prepared: 07/28/20 Analyzed: 07/29/20

Chloride	87.0		2.5	mg/L		86.0			1.16	20
Nitrate (as N)	1.92		0.20	mg/L		1.92			0.406	20
Sulfate	1.61		1.00	mg/L		1.64			1.93	20

**Duplicate (B0G0217-DUP2)**

Source: E063880-01

Prepared & Analyzed: 07/28/20

Sulfate	2.45		1.00	mg/L		2.45			0.0489	20
Nitrate (as N)	5.39		0.20	mg/L		5.38			0.319	20

**Matrix Spike (B0G0217-MS1)**

Source: 0072723-01

Prepared: 07/28/20 Analyzed: 07/29/20

Chloride	87.0		2.5	mg/L	1.00	86.0	102	80-120		
Sulfate	11.4		1.00	mg/L	10.0	1.64	97.1	80-120		
Nitrate (as N)	2.84		0.20	mg/L	1.00	1.92	92.3	80-120		

**Matrix Spike (B0G0217-MS2)**

Source: E063880-01

Prepared & Analyzed: 07/28/20

Nitrate (as N)	6.33		0.20	mg/L	1.00	5.38	95.6	80-120		
Sulfate	11.8		1.00	mg/L	10.0	2.45	93.8	80-120		

**Batch B0G0227 - No Prep WC**

**Blank (B0G0227-BLK1)**

Prepared & Analyzed: 07/29/20

Ammonia Nitrogen	ND		0.10	mg/L						
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Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:  
08/27/20 14:36

**Wet Chemistry - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B0G0227 - No Prep WC</b>										
<b>LCS (B0G0227-BS1)</b>					Prepared & Analyzed: 07/29/20					
Ammonia Nitrogen	1.99		0.10	mg/L	2.00		99.3	90-110		
<b>Duplicate (B0G0227-DUP1)</b>					Source: 0072723-01		Prepared & Analyzed: 07/29/20			
Ammonia Nitrogen	0.10		0.10	mg/L		0.11			12.1	20
<b>Matrix Spike (B0G0227-MS1)</b>					Source: 0072723-01		Prepared & Analyzed: 07/29/20			
Ammonia Nitrogen	1.91		0.10	mg/L	2.00	0.11	89.9	90-110		
<b>Batch B0G0228 - Method 300.0</b>										
<b>LCS (B0G0228-BS1)</b>					Prepared & Analyzed: 07/29/20					
Chloride	1.0		0.5	mg/L	1.00		103	90-110		
Sulfate	10.4		1.00	mg/L	10.0		104	90-110		
Nitrate (as N)	1.07		0.20	mg/L	1.00		107	90-110		
<b>Duplicate (B0G0228-DUP1)</b>					Source: 0072819-01		Prepared & Analyzed: 07/29/20			
Chloride	ND		0.5	mg/L		143				20
Sulfate	35.0		1.00	mg/L		35.0			0.167	20
Nitrate (as N)	ND		0.20	mg/L		ND				20
<b>Duplicate (B0G0228-DUP2)</b>					Source: E063908-01		Prepared & Analyzed: 07/29/20			
Chloride	0.7		0.5	mg/L		0.7			4.57	20
Sulfate	ND		1.00	mg/L		ND				20
Nitrate (as N)	0.11	Ja	0.20	mg/L		0.12			9.94	20
<b>Matrix Spike (B0G0228-MS1)</b>					Source: 0072819-01		Prepared & Analyzed: 07/29/20			
Sulfate	45.0		1.00	mg/L	10.0	35.0	99.5	80-120		
Chloride	159		12.5	mg/L	1.00	143	NR	80-120		
Nitrate (as N)	0.98		0.20	mg/L	1.00	ND	98.1	80-120		



Cory Koons, Laboratory Manager

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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Wet Chemistry - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B0G0228 - Method 300.0**

<b>Matrix Spike (B0G0228-MS2)</b>		<b>Source: E063908-01</b>		<b>Prepared &amp; Analyzed: 07/29/20</b>						
Sulfate	9.73		1.00	mg/L	10.0	ND	97.3	80-120		
Chloride	1.7		0.5	mg/L	1.00	0.7	104	80-120		
Nitrate (as N)	1.20		0.20	mg/L	1.00	0.12	108	80-120		

**Batch B0G0241 - Method 300.0**

<b>LCS (B0G0241-BS1)</b>		<b>Prepared &amp; Analyzed: 07/30/20</b>								
Sulfate	10.2		1.00	mg/L	10.0		102	90-110		
Chloride	1.1		0.5	mg/L	1.00		110	90-110		
Nitrate (as N)	1.01		0.20	mg/L	1.00		101	90-110		

<b>Duplicate (B0G0241-DUP1)</b>		<b>Source: E063910-01</b>		<b>Prepared: 07/30/20 Analyzed: 07/31/20</b>						
Chloride	94.3		5.0	mg/L		ND				20
Nitrate (as N)	5.00		0.20	mg/L		4.99			0.178	20
Sulfate	0.64	Ja	1.00	mg/L		ND				20

<b>Duplicate (B0G0241-DUP2)</b>		<b>Source: E063915-01</b>		<b>Prepared &amp; Analyzed: 07/30/20</b>						
Nitrate (as N)	0.16	Ja	0.20	mg/L		0.16			1.76	20
Chloride	3.8		0.5	mg/L		4.0			3.68	20
Sulfate	ND		1.00	mg/L		ND				20

<b>Matrix Spike (B0G0241-MS1)</b>		<b>Source: E063910-01</b>		<b>Prepared &amp; Analyzed: 07/30/20</b>						
Nitrate (as N)	5.97		0.20	mg/L	1.00	4.99	97.9	80-120		
Chloride	96.1		5.0	mg/L	1.00	ND	NR	80-120		
Sulfate	10.5		1.00	mg/L	10.0	ND	105	80-120		

<b>Matrix Spike (B0G0241-MS2)</b>		<b>Source: E063915-01</b>		<b>Prepared &amp; Analyzed: 07/30/20</b>						
Sulfate	9.81		1.00	mg/L	10.0	ND	98.1	80-120		
Chloride	4.8		0.5	mg/L	1.00	4.0	84.5	80-120		
Nitrate (as N)	1.14		0.20	mg/L	1.00	0.16	97.8	80-120		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**Wet Chemistry - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B0G0250 - Method 300.0**

<b>LCS (B0G0250-BS1)</b>		Prepared & Analyzed: 07/31/20								
Sulfate	10.3		1.00	mg/L	10.0		103	90-110		
Nitrate (as N)	1.05		0.20	mg/L	1.00		105	90-110		
Chloride	1.1		0.5	mg/L	1.00		108	90-110		

<b>Duplicate (B0G0250-DUP1)</b>		Source: 0073021-01		Prepared & Analyzed: 07/31/20						
Sulfate	ND		1.00	mg/L		ND				20
Nitrate (as N)	0.14	Ja	0.20	mg/L		0.15			5.50	20
Chloride	2.6		0.5	mg/L		2.6			0.946	20

<b>Matrix Spike (B0G0250-MS1)</b>		Source: 0073021-01		Prepared & Analyzed: 07/31/20						
Sulfate	10.3		1.00	mg/L	10.0	ND	103	80-120		
Chloride	3.7		0.5	mg/L	1.00	2.6	111	80-120		
Nitrate (as N)	1.12		0.20	mg/L	1.00	0.15	96.8	80-120		

**Batch B0H0009 - No Prep WC**

<b>Blank (B0H0009-BLK1)</b>		Prepared & Analyzed: 08/03/20								
Ammonia Nitrogen	ND		0.10	mg/L						

<b>LCS (B0H0009-BS1)</b>		Prepared & Analyzed: 08/03/20								
Ammonia Nitrogen	1.99		0.10	mg/L	2.00		99.5	90-110		

<b>Duplicate (B0H0009-DUP1)</b>		Source: E063913-01		Prepared & Analyzed: 08/03/20						
Ammonia Nitrogen	2.21		0.10	mg/L		2.20			0.630	20

<b>Matrix Spike (B0H0009-MS1)</b>		Source: E063913-01		Prepared & Analyzed: 08/03/20						
Ammonia Nitrogen	4.15		0.10	mg/L	2.00	2.20	97.5	90-110		



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**Wet Chemistry - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B0H0028 - Method 300.0**

**LCS (B0H0028-BS1)**

Prepared: 08/05/20 Analyzed: 08/04/20

Nitrate (as N)	1.07		0.20	mg/L	1.00		107	90-110		
Sulfate	11.0		1.00	mg/L	10.0		110	90-110		
Chloride	1.0		0.5	mg/L	1.00		102	90-110		

**Duplicate (B0H0028-DUP1)**

Source: 0080306-01

Prepared: 08/05/20 Analyzed: 08/04/20

Sulfate	16.0		1.00	mg/L		16.0			0.0219	20
Nitrate (as N)	0.37		0.20	mg/L		0.35			7.11	20
Chloride	91.6		5.0	mg/L		91.3			0.238	20

**Duplicate (B0H0028-DUP2)**

Source: 0080306-11

Prepared: 08/05/20 Analyzed: 08/04/20

Nitrate (as N)	7.80		0.20	mg/L		7.84			0.446	20
Sulfate	19.9		1.00	mg/L		20.0			0.609	20
Chloride	64.2		5.0	mg/L		64.5			0.521	20

**Matrix Spike (B0H0028-MS1)**

Source: 0080306-01

Prepared: 08/05/20 Analyzed: 08/04/20

Nitrate (as N)	1.17		0.20	mg/L	1.00	0.35	82.8	80-120		
Sulfate	26.6		1.00	mg/L	10.0	16.0	107	80-120		
Chloride	92.3		5.0	mg/L	1.00	91.3	94.0	80-120		

**Matrix Spike (B0H0028-MS2)**

Source: 0080306-11

Prepared: 08/05/20 Analyzed: 08/04/20

Nitrate (as N)	8.77		0.20	mg/L	1.00	7.84	93.2	80-120		
Sulfate	29.7		1.00	mg/L	10.0	20.0	97.1	80-120		
Chloride	65.4		5.0	mg/L	1.00	64.5	92.6	80-120		

**Batch B0H0050 - Method 300.0**

**LCS (B0H0050-BS1)**

Prepared & Analyzed: 08/06/20

Chloride	1.0		0.5	mg/L	1.00		98.5	90-110		
Sulfate	9.71		1.00	mg/L	10.0		97.1	90-110		
Nitrate (as N)	0.97		0.20	mg/L	1.00		97.1	90-110		



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Cory Koons, Laboratory Manager

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.  
Reported:

08/27/20 14:36

**Wet Chemistry - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B0H0050 - Method 300.0**

**Duplicate (B0H0050-DUP1)** Source: 0080524-01 Prepared: 08/06/20 Analyzed: 08/07/20

Chloride	202		12.5	mg/L		206		1.97	20	
Sulfate	25.3		1.00	mg/L		25.4		0.506	20	
Nitrate (as N)	1.30		0.20	mg/L		1.25		3.74	20	

**Duplicate (B0H0050-DUP2)** Source: 0080524-10 Prepared & Analyzed: 08/06/20

Sulfate	34.0		1.00	mg/L		34.1		0.312	20	
Chloride	637		25.0	mg/L		663		4.03	20	
Nitrate (as N)	1.86		0.20	mg/L		1.86		0.194	20	

**Matrix Spike (B0H0050-MS1)** Source: 0080524-01 Prepared & Analyzed: 08/06/20

Nitrate (as N)	0.61		0.20	mg/L	1.00	1.25	NR	80-120		
Sulfate	35.4		1.00	mg/L	10.0	25.4	100	80-120		
Chloride	207		12.5	mg/L	1.00	206	89.8	80-120		

**Matrix Spike (B0H0050-MS2)** Source: 0080524-10 Prepared & Analyzed: 08/06/20

Sulfate	44.0		1.00	mg/L	10.0	34.1	99.1	80-120		
Chloride	69.1		25.0	mg/L	1.00	663	NR	80-120		
Nitrate (as N)	2.78		0.20	mg/L	1.00	1.86	91.9	80-120		

**Batch B0H0059 - No Prep WC**

**Blank (B0H0059-BLK1)** Prepared & Analyzed: 08/07/20

Ammonia Nitrogen	ND		0.10	mg/L						
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**LCS (B0H0059-BS1)** Prepared & Analyzed: 08/07/20

Ammonia Nitrogen	1.98		0.10	mg/L	2.00		99.1	90-110		
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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:  
08/27/20 14:36

**Wet Chemistry - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B0H0059 - No Prep WC</b>										
<b>Duplicate (B0H0059-DUP1)</b>			<b>Source: 0080306-01</b>		Prepared & Analyzed: 08/07/20					
Ammonia Nitrogen	ND		0.10	mg/L		ND				20
<b>Matrix Spike (B0H0059-MS1)</b>			<b>Source: 0080306-01</b>		Prepared & Analyzed: 08/07/20					
Ammonia Nitrogen	1.75		0.10	mg/L	2.00	ND	87.5	90-110		
<b>Batch B0H0060 - No Prep WC</b>										
<b>Blank (B0H0060-BLK1)</b>					Prepared & Analyzed: 08/07/20					
Ammonia Nitrogen	ND		0.10	mg/L						
<b>LCS (B0H0060-BS1)</b>					Prepared & Analyzed: 08/07/20					
Ammonia Nitrogen	1.94		0.10	mg/L	2.00		96.8	90-110		
<b>Duplicate (B0H0060-DUP1)</b>			<b>Source: 0080524-10</b>		Prepared & Analyzed: 08/07/20					
Ammonia Nitrogen	ND		0.10	mg/L		ND				20
<b>Matrix Spike (B0H0060-MS1)</b>			<b>Source: 0080524-10</b>		Prepared & Analyzed: 08/07/20					
Ammonia Nitrogen	1.94		0.10	mg/L	2.00	ND	97.2	90-110		
<b>Batch B0H0065 - Method 300.0</b>										
<b>LCS (B0H0065-BS1)</b>					Prepared & Analyzed: 08/08/20					
Chloride	1.0		0.5	mg/L	1.00		99.2	90-110		
Nitrate (as N)	1.09		0.20	mg/L	1.00		109	90-110		
Sulfate	10.5		1.00	mg/L	10.0		105	90-110		



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**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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Reported:

08/27/20 14:36

**Wet Chemistry - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B0H0065 - Method 300.0**

<b>Duplicate (B0H0065-DUP1)</b>		<b>Source: 0080617-01</b>		<b>Prepared &amp; Analyzed: 08/08/20</b>						
Chloride	19.1		0.5	mg/L		19.3			1.07	20
Nitrate (as N)	3.00		0.20	mg/L		3.00			0.283	20
Sulfate	2.87		1.00	mg/L		2.89			0.806	20

<b>Duplicate (B0H0065-DUP2)</b>		<b>Source: E064031-01</b>		<b>Prepared &amp; Analyzed: 08/08/20</b>						
Nitrate (as N)	4.74		0.20	mg/L		4.74			0.0106	20
Chloride	101		2.5	mg/L		102			1.07	20
Sulfate	1.47		1.00	mg/L		1.49			1.39	20

<b>Matrix Spike (B0H0065-MS1)</b>		<b>Source: 0080617-01</b>		<b>Prepared: 08/08/20 Analyzed: 08/07/20</b>						
Sulfate	12.5		1.00	mg/L	10.0	2.89	96.3	80-120		
Chloride	20.1		0.5	mg/L	1.00	19.3	81.3	80-120		
Nitrate (as N)	4.23		0.20	mg/L	1.00	3.00	124	80-120		

<b>Matrix Spike (B0H0065-MS2)</b>		<b>Source: E064031-01</b>		<b>Prepared &amp; Analyzed: 08/08/20</b>						
Nitrate (as N)	5.75		0.20	mg/L	1.00	4.74	101	80-120		
Sulfate	11.3		1.00	mg/L	10.0	1.49	97.9	80-120		
Chloride	106		2.5	mg/L	1.00	102	338	80-120		



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Project Manager: Laura Oakes

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**Alkalinity SM2320B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>Batch B0G0216 - No Prep WC</b>										
<b>LCS (B0G0216-BS1)</b>					Prepared & Analyzed: 07/28/20					
Alkalinity as CaCO3	102		1.0	mg/L				90-110		
<b>Duplicate (B0G0216-DUP1)</b>					Source: E063839-01		Prepared & Analyzed: 07/28/20			
Alkalinity as CaCO3	107		1.0	mg/L		107			0.0938	20
<b>Batch B0G0240 - No Prep WC</b>										
<b>LCS (B0G0240-BS1)</b>					Prepared & Analyzed: 07/30/20					
Alkalinity as CaCO3	102		1.0	mg/L				90-110		
<b>Duplicate (B0G0240-DUP1)</b>					Source: 0072819-01		Prepared & Analyzed: 07/30/20			
Alkalinity as CaCO3	379		4.0	mg/L		373			1.38	20
<b>Batch B0H0029 - No Prep WC</b>										
<b>LCS (B0H0029-BS1)</b>					Prepared & Analyzed: 08/05/20					
Alkalinity as CaCO3	103		1.0	mg/L				90-110		
<b>Duplicate (B0H0029-DUP1)</b>					Source: 0073021-01		Prepared & Analyzed: 08/05/20			
Alkalinity as CaCO3	38.2		1.0	mg/L		39.2			2.79	20
<b>Batch B0H0129 - No Prep WC</b>										
<b>LCS (B0H0129-BS1)</b>					Prepared: 08/16/20 Analyzed: 08/17/20					
Alkalinity as CaCO3	102		1.0	mg/L				90-110		



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Baltimore MD 21227  
410-247-7600

www.mdspectral.com  
MD DW LabID 153

**Project: GUDE LANDFILL**

Project Number: 1556404  
Project Manager: Laura Oakes

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08/27/20 14:36

**Alkalinity SM2320B - Quality Control**

Analyte	Result	Notes	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
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**Batch B0H0129 - No Prep WC**

Duplicate (B0H0129-DUP1)	Source: 0080524-01	Prepared: 08/16/20	Analyzed: 08/17/20			
Alkalinity as CaCO3	204	1.0	mg/L	184	10.6	20



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**Notes and Definitions**

- QM-4X The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- QB-01 The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
- O-04 This sample was analyzed outside the EPA recommended holding time.
- Ja Estimated value
- J Detected but below the reporting limit; therefore, result is an estimated concentration (CLP J-Flag).
- E The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).
- B Analyte is found in the associated blank as well as in the sample (CLP B-flag).
- DET Analyte DETECTED
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference
- %-Solids Percent Solids is a supportive test and as such does not require accreditation



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Cory Koons, Laboratory Manager

# CHAIN-OF-CUSTODY RECORD

Maryland Spectral Services, Inc.  
 1500 Caton Center Drive, Suite G  
 Baltimore, MD 21227  
 410-247-7600 • Fax 410-247-7602  
 reporting@mdspectral.com

Matrix Codes: NW (non-potable water) PW (potable water)

Preservative: 1 +1  
 HCl, H<sub>2</sub>SO<sub>4</sub>,  
 Methanol, Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>,  
 NaHCO<sub>3</sub>

Field pH, Residual  
 Chlorine, QC  
 Request, Trip  
 Blank, Field Blank

MSS Lab ID

Analysis Requested	No. of Containers							
	8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids	Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen
	X	X	X	X	X	X	X	X
	X	X	X	X	X	X	X	X
	X	X	X	X	X	X	X	X
	X	X	X	X	X	X	X	X
	X	X	X	X	X	X	X	X
	X	X	X	X	X	X	X	X
	X	X	X	X	X	X	X	X

Field Sample ID	Date	Time	No. of Containers		
			Water	Soil	Other
MW-13A	7/27/20	0838	X		
MW-13B	7/27/20	0931	X		
OB-30	7/27/20	0940	X		
ST-120	7/27/20	1035	X		
OB074A	7/27/20	1143	X		
OB074	7/27/20	1245	X		
OBKUS	7/27/20	1336	X		
TRIP BLANK	7/27/20	-			

\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1,2-Dibromoethane) by method 8011 in addition to method 8260.

Relinquished by: (Signature) <i>[Signature]</i> (Printed)	Date/Time 7/27/20 1648	Received by: (Signature) <i>[Signature]</i> (Printed)	Date/Time 7/27/20 16:21
Relinquished by: (Signature) <i>[Signature]</i> (Printed)	Date/Time 7/27/20 16:21	Received by: (Signature) <i>[Signature]</i> (Printed)	Date/Time 7/27/20 16:21
Lab Use: Temp: 10.0°C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate		Turn Around Time: <input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____	
Sample Disposal: <input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days		Special Instructions/QC Requirements & Comments: Rachel Horner	

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

**CHAIN-OF-CUSTODY RECORD**

Company Name: **EA**  
 Project Name: **Crude Landfill**  
 Sampler(s): **A. Siamaki**

Project Manager: **Laura Oakes**  
 Project ID: **15564064**  
 P.O. Number:

Maryland Spectral Services, Inc.  
 1500 Caton Center Drive, Suite G  
 Baltimore, MD 21227  
 410-247-7600 • Fax 410-247-7602  
 reporting@mdspectral.com

Matrix Codes: NW (non-potable water) PW (potable water)  
 Preservative: 1-H  
 HCl, H<sub>2</sub>SO<sub>4</sub>,  
 Methanol, Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>,  
 NaHCO<sub>3</sub>

Field pH, Residual  
 Chlorine, QC  
 Request, Trip  
 Blank, Field Blank

MSS Lab ID  
 0072819-01  
 -02  
 -03  
 -04  
 -05  
 -06  
 -07

Field Sample ID	Date	Time	No. of Containers				Analysis Requested								
			Water	Soil	Other	8260LL VOC and 8011 *	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids, Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen			
MW-22A	7/28/20	09:07	X			X	X	X	X	X	X	X	X		
MW-22B	7/28/20	10:15	X			X	X	X	X	X	X	X	X		
MW-28	7/28/20	11:22	X			X	X	X	X	X	X	X	X		
MW-3A	7/28/20	12:16	X			X	X	X	X	X	X	X	X		
CR608	7/28/20	13:23	X			X	X	X	X	X	X	X	X		
CR608A	7/28/20	14:15	X			X	X	X	X	X	X	X	X		
TRIP BLANK	7/28/20	-													

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	7/28/2000	<i>[Signature]</i>	
<i>[Signature]</i>	1620	<i>[Signature]</i>	
<i>[Signature]</i>	7/28/20	<i>[Signature]</i>	
<i>[Signature]</i>	16:24	<i>[Signature]</i>	

Delivery Method:  
 Courier  
 Client  
 UPS  
 FedEx  
 USPS  
 Other:

Special Instructions/QC Requirements & Comments:  
 Turn Around Time:  
 Normal (7 day)  
 5 day  
 4 day  
 3 day  
 Rush (2 day)  
 Next Day  
 Other: \_\_\_\_\_  
 Specific Due Date: \_\_\_\_\_

Lab Use:  
 Temp: **5.0** °C  
 Received on Ice  
 Preserved same day  
 Preservation Appropriate

Sample Disposal:  
 Return to Client  
 Disposal by lab  
 Archive for \_\_\_\_\_ days

# CHAIN-OF-CUSTODY RECORD

Company Name: <b>EA Engineering</b>		Project Manager: <b>Laura DeKes</b>		Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com			
Project Name: <b>Gude Lane#11</b>		Project ID: <b>1550404</b>		MSS Lab ID			
Sampler(s): <b>A. Samstki</b>		P.O. Number:		Matrix Codes: NW (non-potable water) PW (potable water)			
Field Sample ID	Date	Time	No. of Containers			Analysis Requested	MSS Lab ID
			Water	Soil	Other		
MW 24B	7/29/20	1101	X			X	0072915-01
OB40	7/29/20	1115	X			X	-02
MW 24A	7/29/20	1141	X			X	-03
ST-0605	7/29/20	1215	X			X	-04
OB07	7/29/20	1316	X			X	-05
OB07A	7/29/20	1348	X			X	-06
OB06	7/29/20	1436	X			X	-07
OB162	7/29/20	1525	X			X	-08
TRIP BLANK	7/29/20	-				X	-09

Report revised to correct chloride result in Sample 0080524-10. Original report ID 08 20 20 1742.

Reinquired by: (Signature) <i>A. Samstki</i> (Printed) Andy Samstki	Date/Time 7/29/20 1648	Received by: (Signature) <i>Rachel Horner</i> (Printed) Rachel Horner	Date/Time 7/29/20 1649	Received by: (Signature) <i>Rachel Horner</i> (Printed) Rachel Horner
Reinquired by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Received by: (Signature)

\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.

Relinquished by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time
(Printed)		(Printed)	

Lab Use:  
Temp: **13.0** °C  
 Received on Ice  
 Received same day  
 Preservation Appropriate

Sample Disposal:  
 Return to Client  
 Disposal by lab  
 Archive for \_\_\_ days

Turn Around Time:  
 Normal (7 day)  
 5 day  
 4 day  
 3 day  
 Rush (2 day)  
 Next Day  
 Other: \_\_\_ Date: \_\_\_  
 Specific Due Date: \_\_\_

Delivery Method:  
 Courier  
 Client  
 UPS  
 FedEx  
 USPS  
 Other: \_\_\_

Special Instructions/QC Requirements & Comments:

Company Name:		Project Manager:		CHAIN-OF-CUSTODY RECORD													
EA Engineering		Cava Capes		Analysis Requested			Maryland Spectral Services, Inc. 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com							MSS Lab ID			
Project Name:		Project ID:		620 MDE Landfill List			Chloride, Nitrate, Sulfate, Conductivity, pH			Suspended Solids			COD			Ammonia-Nitrogen	
Cude LF		155044H		8260LL VOC and 8011 *			Alkalinity, Dissolved Solids			Turbidity, pH			COD			Ammonia-Nitrogen	
Sampler(s):		P.O. Number:		No. of Containers			Chloride, Nitrate, Sulfate, Conductivity, pH			Suspended Solids			COD			Ammonia-Nitrogen	
A. Seamski																	
Field Sample ID	Date	Time	Water	Soil	Other	8260LL VOC and 8011 *	Chloride, Nitrate, Sulfate, Conductivity, pH	Suspended Solids	COD	Ammonia-Nitrogen	Preservative: 1 +1 HCl, H2SO4, Methanol, Na2S2O3, NaHCO3	Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank	MSS Lab ID				
MW-1B	7/30/20	0910	X			X	X	X	X	X	HCl, H2SO4, AMB3		0073021-01				
OB-11A		0938	X			X	X	X	X	X			-02				
OB-11		1043	X			X	X	X	X	X			-03				
OB028		1120	X			X	X	X	X	X			-04				
MW-21B		1247	X			X	X	X	X	X			-05				
MW-21A		1315	X			X	X	X	X	X			-06				
MW-2B		1500	X			X	X	X	X	X			-07				
OB50		1415	X			X	X	X	X	X			-08				
MW-2A		1542	X			X	X	X	X	X			-09				

Report revised to correct chloride result in Sample 0080524-10. Original report ID 08 20 20 1742.

\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	7/30/20		
(Printed)	1655		
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>[Signature]</i>	7/30/20		
(Printed)	16:55		

Lab Use:  
Temp: 10.1 °C  
 Received on ice  
 Received same day  
 Preservation Appropriate

Sample Disposal:  
 Return to Client  
 Disposal by lab  
 Archive for \_\_\_ days

Turn Around Time:  
 Normal (7 day)  
 5 day  
 4 day  
 3 day  
 Rush (2 day)  
 Next Day  
 Other: \_\_\_\_\_  
 Specific Due Date: \_\_\_\_\_

Delivery Method:  
 Courier  
 Client  
 UPS  
 FedEx  
 USPS  
 Other: \_\_\_\_\_

Special Instructions/OC Requirements & Comments:  
*Rachel Horner*





1/2

Company Name:		Project Manager:		CHAIN-OF-CUSTODY RECORD											
EA Engineering		Gaura Oates		Project ID:		Analysis Requested		Maryland Spectral Services, Inc.		Preservative: 1-HI		Field pH, Residual		MSS Lab ID	
Gudle Landoff II		1576404		P.O. Number:		8260LL VOC and 801*		6020 MDE Landfill List		Chloride, Nitrate, Sulfate, Conductivity, pH		Suspended Solids		Ammonia-Nitrogen	
Sampler(s):		A. Stanski		Date		Time		Water		Soil		Other		Matrix Codes: NW (non-potable water) PW (potable water)	
Field Sample ID		Date		Time		Water		Soil		Other		Preservative: HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>		Request, Trip Blank, Field Blank	
OB12	8/13/20	0839	X							X	X	X	X	0080306-01	
ST015		0910	X							X	X	X	X	-02	
OB015		0938	X							X	X	X	X	-03	
MW-23A		1046	X							X	X	X	X	-04	
MW-23B		1150	X							X	X	X	X	-05	
MW-4		1158	X							X	X	X	X	-06	
ST70		1300	X							X	X	X	X	-07	
OB10		1328	X							X	X	X	X	-08	
ST80		1400	X							X	X	X	X	-09	

Report revised to correct chloride result in Sample 0080524-10. Original report ID 08 20 20 1742.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>(Signature)</i>	8/13/20	<i>(Signature)</i>	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
Andy Stanski	1041	<i>(Signature)</i>	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>(Signature)</i>	8/13/20	<i>(Signature)</i>	
	16:42	Rachel Horne	

Turn Around Time:  
 Normal (7 day)  
 5 day  
 4 day  
 3 day  
 Rush (2 day)  
 Next Day  
 Other: \_\_\_\_\_  
 Specific Due Date: \_\_\_\_\_

Lab Use:  
 Temp: 16.4 °C  
 Received on ice  
 Received same day  
 Preservation Appropriate

Sample Disposal:  
 Return to Client  
 Disposal by lab  
 Archive for \_\_\_\_\_ days

### CHAIN-OF-CUSTODY RECORD

<b>Company Name:</b> EA Engineering <b>Project Name:</b> Gude LF <b>Sampler(s):</b> A. Scansley		<b>Project Manager:</b> Laura Oakes <b>Project ID:</b> 1556404 <b>P.O. Number:</b>		<b>Analysis Requested</b> 8260LL VOC and 8011* 6020 MDE Landfill List Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids, Conductivity, Turbidity, pH, Suspended Solids, COD, Ammonia-Nitrogen		<b>Maryland Spectral Services, Inc.</b> 1500 Caton Center Drive, Suite G Baltimore, MD 21227 410-247-7600 • Fax 410-247-7602 reporting@mdspectral.com		<b>Matrix Codes:</b> NW (non-potable water) PW (potable water) Preservative: 1-H HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub> Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank MSS Lab ID		
Field Sample ID	Date	Time	Water	Soil	Other	No. of Containers	8260LL VOC and 8011*	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids, Conductivity, Turbidity, pH, Suspended Solids, COD, Ammonia-Nitrogen	Preservative: 1-H HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>	MSS Lab ID
MW-16B	8/3/20	1450	X			11	X	X	H <sub>2</sub> SO <sub>4</sub> /H <sub>2</sub> O <sub>2</sub>	0080306-10
MW-16A	↓	1530	X			11	X	X	↓	-11
TRIP BLANK	↓	-								-12

Report revised to correct chloride result in Sample 0080524-10. Original Report ID 08 20 20 1742.

<b>Relinquished by:</b> (Signature)  (Printed)	<b>Date/Time</b> 8/3/20	<b>Received by:</b> (Signature)  (Printed)	<b>Date/Time</b> 1641
<b>Relinquished by:</b> (Signature)  (Printed)	<b>Date/Time</b> 8/3/20	<b>Received by:</b> (Signature)  (Printed)	<b>Date/Time</b> 16:42

\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.

<b>Relinquished by:</b> (Signature)  (Printed)	<b>Date/Time</b> 8/3/20	<b>Received by:</b> (Signature)  (Printed)	<b>Date/Time</b> 1641
<b>Relinquished by:</b> (Signature)  (Printed)	<b>Date/Time</b> 8/3/20	<b>Received by:</b> (Signature)  (Printed)	<b>Date/Time</b> 16:42

**Lab Use:**  
 Temp: 16.7C  
 Received on Ice  
 Received same day  
 Preservation Appropriate

**Sample Disposal:**  
 Return to Client  
 Disposal by lab  
 Archive for \_\_\_ days

**Turn Around Time:**  
 Normal (7 day)  
 5 day  
 4 day  
 3 day  
 Rush (2 day)  
 Next Day  
 Other: \_\_\_  
 Specific Due Date: \_\_\_

**Delivery Method:**  
 Courier  
 Client  
 UPS  
 FedEx  
 USPS  
 Other: \_\_\_

**Special Instructions/QC Requirements & Comments:**

1/2

Company Name:		Project Manager:		Analysis Requested						CHAIN-OF-CUSTODY RECORD											
EA Engineering		Laura Oates		8260LL VOC and 8011*		Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids		Conductivity		Turbidity, pH		Suspended Solids		COD		Ammonia-Nitrogen					
Project Name:		Project ID:		No. of Containers		8260LL VOC and 8011*		Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids		Conductivity		Turbidity, pH		Suspended Solids		COD		Ammonia-Nitrogen			
Eude Landfill		18564024		Water		Soil		Other		Date		Time		Field Sample ID		Preservative: 1 +I HCl, H <sub>2</sub> SO <sub>4</sub> , Methanol, Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> , NaHCO <sub>3</sub>		Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank		MSS Lab ID	
Sampler(s):		P.O. Number:		Date		Time		Field Sample ID		Date		Time		Field Sample ID		Matrix Codes: NW (non-potable water) PW (potable water)		MSS Lab ID			
A. Stanek				8/15/20		0822		OB03		8/15/20		0822		OB03A		D080524-01		-02			
				8/15/20		0855		MW-8		8/15/20		0855		MW-7		-03		-04			
				8/15/20		1017		OB02A		8/15/20		1017		OB02		-05		-06			
				8/15/20		1109		MW-19B		8/15/20		1109		MW-19A		-07		-08			
				8/15/20		1238		MW-6		8/15/20		1238				-09					
				8/15/20		1322				8/15/20		1322									
				8/15/20		1428				8/15/20		1428									

\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>A. Stanek</i>	8/15/20		
(Printed)		(Printed)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
<i>Andy Stanek</i>	1040		
(Printed)		(Printed)	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
	8/15/20	<i>Rachel Homer</i>	
(Printed)		(Printed)	
	10:43	<i>Rachel Homer</i>	
(Printed)		(Printed)	

Lab Use:  
Temp: 7 °C  
 Received on ice  
 Received same day  
 Preservation Appropriate

Sample Disposal:  
 Return to Client  
 Disposal by lab  
 Archive for \_\_\_\_\_ days

Turn Around Time:  
 Normal (7 day)  
 5 day  
 4 day  
 3 day  
 Rush (2 day)  
 Next Day  
 Other: \_\_\_\_\_  
 Specific Due Date: \_\_\_\_\_

212

Company Name:		Project Manager:		Analysis Requested						CHAIN-OF-CUSTODY RECORD							
EA Engineering		Laura Oakes		8260LL VOC and 8011*		Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids		Conductivity		Turbidity, pH		Suspended Solids		COD		Ammonia-Nitrogen	
Project Name:		Project ID:		No. of Containers		8260LL VOC and 8011*		6020 MDE Landfill List		8260LL VOC and 8011*		8260LL VOC and 8011*		8260LL VOC and 8011*		8260LL VOC and 8011*	
Sampler(s):		P.O. Number:		Date		Time		Water		Soil		Other		Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank		MSS Lab ID	
A. Szamstki		15510404		8/5/20		1513		A						HCl, He, Se, S <sub>4</sub> , H <sub>2</sub> O <sub>2</sub>		0080524-10	
Field Sample ID		Date		Time		Water		Soil		Other		Field pH, Residual Chlorine, QC Request, Trip Blank, Field Blank		MSS Lab ID		0080524-10	
0001		8/5/20		1513		A										-11	
TRIP BLANK		8/5/20		-													
* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.																	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Received by: (Signature)	
<i>(Signature)</i>		8/5/20		<i>(Signature)</i>		8/5/20		<i>(Signature)</i>		8/5/20		<i>(Signature)</i>		8/5/20		8/5/20	
<i>(Printed)</i>		1640		<i>(Printed)</i>		1640		<i>(Printed)</i>		1640		<i>(Printed)</i>		1640		1640	
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Received by: (Signature)	
<i>(Signature)</i>		8/5/20		<i>(Signature)</i>		8/5/20		<i>(Signature)</i>		8/5/20		<i>(Signature)</i>		8/5/20		8/5/20	
<i>(Printed)</i>		1643		<i>(Printed)</i>		1643		<i>(Printed)</i>		1643		<i>(Printed)</i>		1643		1643	
Delivery Method:		Special Instructions/QC Requirements & Comments:															
<input type="checkbox"/> Courier <input type="checkbox"/> Client <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> USPS <input type="checkbox"/> Other:		Turn Around Time: <input checked="" type="checkbox"/> Normal (7 day) <input type="checkbox"/> 5 day <input type="checkbox"/> 4 day <input type="checkbox"/> 3 day <input type="checkbox"/> Rush (2 day) <input type="checkbox"/> Next Day <input type="checkbox"/> Other: _____ <input type="checkbox"/> Specific Due Date: _____															
Sample Disposal:		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by lab <input type="checkbox"/> Archive for _____ days															
Lab Use:		Temp: 3.7 °C <input checked="" type="checkbox"/> Received on Ice <input checked="" type="checkbox"/> Received same day <input type="checkbox"/> Preservation Appropriate															
Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time		Received by: (Signature)	
<i>(Signature)</i>		8/5/20		<i>(Signature)</i>		8/5/20		<i>(Signature)</i>		8/5/20		<i>(Signature)</i>		8/5/20		8/5/20	
<i>(Printed)</i>		1640		<i>(Printed)</i>		1640		<i>(Printed)</i>		1640		<i>(Printed)</i>		1640		1640	

# CHAIN-OF-CUSTODY RECORD

**Company Name:** EA Engineering  
**Project Manager:** Laura Oakes  
**Project Name:** Grude LF  
**Project ID:** 15564604  
**Sampler(s):** A, Stanski  
**P.O. Number:**

**Maryland Spectral Services, Inc.**  
 1500 Caton Center Drive, Suite G  
 Baltimore, MD 21227  
 410-247-7600 • Fax 410-247-7602  
 reporting@mdspectral.com

Field Sample ID	Date	Time	No. of Containers				Analysis Requested						MSS Lab ID
			Water	Soil	Other	8260LL VOC and 8011*	6020 MDE Landfill List	Chloride, Nitrate, Sulfate, Alkalinity, Dissolved Solids, Conductivity	Turbidity, pH	Suspended Solids	COD	Ammonia-Nitrogen	
MW-11B	8/6/20	0913	X			X	X	X	X	X	X	X	008017-01
MW-11A		0950	X			X	X	X	X	X	X	X	-02
MW-10		1053	X			X	X	X	X	X	X	X	-03
MW-14B		1412	X			X	X	X	X	X	X	X	-04
MW-14A		1220	X			X	X	X	X	X	X	X	-05
MW-15		1316	X			X	X	X	X	X	X	X	-06
MW-9		1406	X			X	X	X	X	X	X	X	-07
MW-12		1502	X			X	X	X	X	X	X	X	-08
TRIP BLANK													-09

Preservative: 1-H  
 HCl, H<sub>2</sub>SO<sub>4</sub>,  
 Methanol, Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>,  
 NaHCO<sub>3</sub>

Field pH, Residual  
 Chlorine, QC  
 Request, Trip  
 Blank, Field Blank

Matrix Codes: NW (non-potable water) PW (potable water)

Report revised to correct chloride result in Sample 0080524-10. Original report ID 08 20 20 1742.

\* Please analyze 2 VOCs (1,2-Dibromo-3-chloropropane and 1, 2 Dibromoethane) by method 8011 in addition to method 8260.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
<i>Andy Stanski</i>	8/6/20	<i>Rachel Horner</i>	1605			
<i>Andy Stanski</i>	8/6/20	<i>Rachel Horner</i>	16:05			

Lab Use:  
 Temp: 6.0°C  
 Received on ice  
 Received same day  
 Preservation Appropriate

Sample Disposal:  
 Return to Client  
 Disposal by lab  
 Archive for \_\_\_ days

Turn Around Time:  
 Normal (7 day)  
 5 day  
 4 day  
 3 day  
 Rush (2 day)  
 Next Day  
 Other: \_\_\_  
 Specific Due Date: \_\_\_

Delivery Method:  
 Courier  
 Client  
 UPS  
 FedEx  
 USPS  
 Other:

Special Instructions/QC Requirements & Comments:

**SUBCONTRACT ORDER**  
Maryland Spectral Services

0072723

**RECEIVING LABORATORY:**

Enviro-Chem Laboratories, Inc  
47 Loveton Circle, Suite K  
Sparks, MD 21152  
Phone :(410) 472-1112  
Fax: (410) 472-1116

**SENDING LABORATORY:**

Maryland Spectral Services  
1500 Caton Center Dr. Suite G  
Halethorpe, MD 21227  
Phone: 410.247.7600  
Project Manager: Cory Koons  
Reports Email: Reporting@mdspectral.com

**Due 4:00 PM 08/05/20**

**Laboratory ID**

**Comments**

Sample ID: 0072723-01 MW-13A Water Sampled: 07/27/20 08:38

Alkalinity Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (I) Plastic, 0.5L None (J)

Sample ID: 0072723-02 MW-13B Water Sampled: 07/27/20 09:31

Alkalinity Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (I) Plastic, 0.5L None (J)

Sample ID: 0072723-03 OB-30 Water Sampled: 07/27/20 09:40

Alkalinity Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (I) Plastic, 0.5L None (J)

9:07



Released By Date

 Received By

Date

Released By Date

Date

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 17

**SUBCONTRACT ORDER**  
 Maryland Spectral Services  
 0072723

**Due 4:00 PM 08/05/20** Laboratory ID **Comments**

**Sample ID: 0072723-04** ST-120 Water Sampled: 07/27/20 10:35  
 Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
 Sulfate

*Containers Supplied:*  
 Plastic, 0.25L H2SO4 (I) Plastic, 0.5L None (J)

**Sample ID: 0072723-05** OB04A Water Sampled: 07/27/20 11:43  
 Alkalinity Chloride Conductance Nitrogen, Ammonia  
 Nitrogen, Nitrate Solids (Total Dissolved) Sulfate


*Containers Supplied:*  
 Plastic, 0.25L H2SO4 (I) Plastic, 0.5L None (J)

**Sample ID: 0072723-06** OB04 Water Sampled: 07/27/20 12:45  
 Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
 Sulfate

*Containers Supplied:*  
 Plastic, 0.25L H2SO4 (I) Plastic, 0.5L None (J)

**Sample ID: 0072723-07** OB105 Water Sampled: 07/27/20 12:45  
 Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
 Sulfate

*Containers Supplied:*  
 Plastic, 0.25L H2SO4 (I) Plastic, 0.5L None (J)

*Received By*  9:07  
 Date 7/28/20

*Received By* \_\_\_\_\_ Date \_\_\_\_\_  
*Received By* \_\_\_\_\_ Date \_\_\_\_\_

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742

7-4.5



**SUBCONTRACT ORDER**  
Maryland Spectral Services

0072819

**SENDING LABORATORY:**

Maryland Spectral Services  
1500 Caton Center Dr. Suite G  
Halethorpe, MD 21227  
Phone: 410.247.7600  
Project Manager: Cory Koons  
Reports Email: Reporting@mdspectral.com

**RECEIVING LABORATORY:**

Enviro-Chem Laboratories, Inc  
47 Loveton Circle, Suite K  
Sparks, MD 21152  
Phone :(410) 472-1112  
Fax: (410) 472-1116

7/28/20 RAH

**Due 4:00 PM 08/06/20**

**Laboratory ID**      **Comments**

**Sample ID: 0072819-01**      **MW-22A**

**Water**      **Sampled: 07/28/20 10:15**

Alkalinity  
Sulfate

Nitrogen, Ammonia

Nitrogen, Nitrate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0072819-02**      **MW-22B**

**Water**      **Sampled: 07/28/20 09:37**

Alkalinity  
Sulfate

Nitrogen, Ammonia

Nitrogen, Nitrate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0072819-03**      **MW-3B**

**Water**      **Sampled: 07/28/20 11:22**

Alkalinity  
Sulfate

Nitrogen, Ammonia

Nitrogen, Nitrate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

859  
7/29/20  
Received By  
Date

Received By  
Date

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

SUBCONTRACT ORDER  
Maryland Spectral Services

0072819

Due 4:00 PM 08/06/20

Laboratory ID

Comments

Sample ID: 0072819-04 MW-3A

Water

Sampled: 07/28/20 12:16

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0072819-05 OB08

Water

Sampled: 07/28/20 13:28

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0072819-06 OB08A

Water

Sampled: 07/28/20 14:15

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia

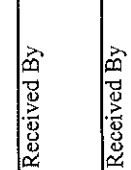
Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Received By:  Date: 8:59 7/29/20

Received By:  Date: T=6

**SUBCONTRACT ORDER**  
**Maryland Spectral Services**  
**0072915**

**RECEIVING LABORATORY:**

Enviro-Chem Laboratories, Inc  
 47 Loveton Circle, Suite K  
 Sparks, MD 21152  
 Phone :(410) 472-1112  
 Fax: (410) 472-1116

**SENDING LABORATORY:**

Maryland Spectral Services  
 1500 Caton Center Dr. Suite G  
 Halethorpe, MD 21227  
 Phone: 410.247.7600  
 Project Manager: Cory Koons  
 Reports Email: Reporting@mdspectral.com

7/29/20 RH

**Due 4:00 PM 08/07/20**

**Laboratory ID**

**Comments**

**Sample ID: 0072915-01 MW24B**      **Water**      **Sampled:07/29/20 11:01**

Alkalinity  
 Sulfate

Nitrogen, Ammonia

Nitrogen, Nitrate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0072915-02 OB40**      **Water**      **Sampled:07/29/20 11:15**

Alkalinity  
 Sulfate

Nitrogen, Ammonia

Nitrogen, Nitrate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0072915-03 MW24A**      **Water**      **Sampled:07/29/20 11:41**

Alkalinity  
 Sulfate

Nitrogen, Ammonia

Nitrogen, Nitrate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

8:54  
 7/30/20  
 FRD 7-30-20 8:54  
 T=7.0

Received By \_\_\_\_\_ Date \_\_\_\_\_  
 Received By \_\_\_\_\_ Date \_\_\_\_\_

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

SUBCONTRACT ORDER  
Maryland Spectral Services

0072915

Due 4:00 PM 08/07/20

Laboratory ID

Comments

Sample ID: 0072915-04 ST-065

Water

Sampled: 07/29/20 12:15

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0072915-05 OB07

Water

Sampled: 07/29/20 13:16

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0072915-06 OB07A

Water

Sampled: 07/29/20 13:48

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0072915-07 OB06

Water

Sampled: 07/29/20 14:36

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

8:54  
FRD 7-30-20 8:54  
T-7

Released By \_\_\_\_\_ Date \_\_\_\_\_  
Received By \_\_\_\_\_ Date \_\_\_\_\_

SUBCONTRACT ORDER  
Maryland Spectral Services  
0072915

Due 4:00 PM 08/07/20

Laboratory ID

Comments

Sample ID: 0072915-08 OB102

Water Sampled: 07/29/20 15:25

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

*[Signature]*  
Received By  
Date 7/30/20 8:54

FRQ  
Received By  
Date 7-30-20 8:54

T=7.0

**SUBCONTRACT ORDER**  
**Maryland Spectral Services**  
**0073021**

**RECEIVING LABORATORY:**

Enviro-Chem Laboratories, Inc  
 47 Loveton Circle, Suite K  
 Sparks, MD 21152  
 Phone : (410) 472-1112  
 Fax: (410) 472-1116

**SENDING LABORATORY:**

Maryland Spectral Services  
 1500 Caton Center Dr. Suite G  
 Halethorpe, MD 21227  
 Phone: 410.247.7600  
 Project Manager: Cory Koons  
 Reports Email: Reporting@mdspectral.com

410-472-1116  
 7/30/20 RH

**Due 4:00 PM 08/10/20**

**Laboratory ID**      **Comments**

**Sample ID: 0073021-01**      **MW-1B**      **Water**      **Sampled: 07/30/20 09:00**

Alkalinity      Chloride      Nitrogen, Ammonia      Nitrogen, Nitrate

Sulfate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0073021-02**      **OB-11A**      **Water**      **Sampled: 07/30/20 09:58**

Alkalinity      Chloride      Nitrogen, Ammonia      Nitrogen, Nitrate

Sulfate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

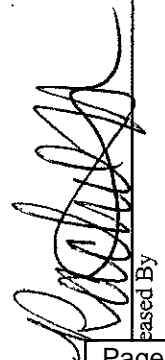

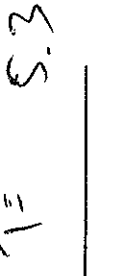
**Sample ID: 0073021-03**      **OB-11**      **Water**      **Sampled: 07/30/20 10:43**

Alkalinity      Chloride      Nitrogen, Ammonia      Nitrogen, Nitrate

Sulfate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Received By:  Date: 9:10  
 Received By:  Date: 7/31/20  
 Received By:  Date: T= S.3

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

**SUBCONTRACT ORDER**  
**Maryland Spectral Services**  
**0073021**

**Due 4:00 PM 08/10/20** Laboratory ID **081020** Comments

**Sample ID: 0073021-04** OB025 Water **Sampled: 07/30/20 11:20**  
Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
Sulfate

*Containers Supplied:*  
 Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0073021-05** MW-21B Water **Sampled: 07/30/20 12:47**  
Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
Sulfate

*Containers Supplied:*  
 Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)


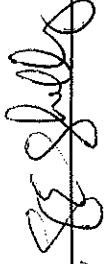
**Sample ID: 0073021-06** MW-21A Water **Sampled: 07/30/20 13:45**  
Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
Sulfate

*Containers Supplied:*  
 Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0073021-07** MW-2B Water **Sampled: 07/30/20 15:00**  
Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
Sulfate

*Containers Supplied:*  
 Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Received By  Date 9:10  
 Received By  Date 7/31/20  
 T = 5.3

SUBCONTRACT ORDER  
Maryland Spectral Services

0073021

Due 4:00 PM 08/10/20

Laboratory ID

Comments

Sample ID: 0073021-08

OB50

Water

Sampled: 07/30/20 11:15

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0073021-09

MW-2A

Water

Sampled: 07/30/20 15:42

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

TSY

9:10  
7/31/20

ES Gull



**SUBCONTRACT ORDER**  
Maryland Spectral Services

0080306

RECEIVING LABORATORY:

Enviro-Chem Laboratories, Inc  
47 Loveton Circle, Suite K  
Sparks, MD 21152  
Phone:(410) 472-1112  
Fax: (410) 472-1116

8/3/20 RH

SENDING LABORATORY:



Maryland Spectral Services  
1500 Caton Center Dr. Suite G  
Halethorpe, MD 21227  
Phone: 410.247.7600  
Project Manager: Cory Koons

Reports Email: Reporting@mdspectral.com

**Due 4:00 PM 08/12/20**

Sample ID	OB	Water	Sampled	Laboratory ID	Comments
0080306-01	OB12	Water	08/03/20 08:39		
Alkalinity		Chloride			
Sulfate					Nitrogen, Ammonia
Containers Supplied: Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					
0080306-02	ST015	Water	08/03/20 09:00		
Alkalinity		Chloride			
Sulfate					Nitrogen, Ammonia
Containers Supplied: Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					
0080306-03	OB015	Water	08/03/20 09:38		
Alkalinity		Chloride			
Sulfate					Nitrogen, Ammonia
Containers Supplied: Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

9:10  
8/4/20  
Received By:  Date: \_\_\_\_\_  
Received By:  Date: \_\_\_\_\_

SUBCONTRACT ORDER  
Maryland Spectral Services

0080306

Laboratory ID

Due 4:00 PM 08/12/20

Comments

Sample ID: 0080306-04

MW-23A

Water

Sampled:08/03/20 10:46

Chloride

Alkalinity  
Sulfate

Nitrogen, Ammonia  
Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0080306-05

MW-23B

Water

Sampled:08/03/20 11:00

Chloride

Alkalinity  
Sulfate

Nitrogen, Ammonia  
Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0080306-06

MW-4

Water

Sampled:08/03/20 11:58

Chloride

Alkalinity  
Sulfate

Nitrogen, Ammonia  
Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0080306-07

SI70

Water

Sampled:08/03/20 13:00

Chloride


Alkalinity  
Sulfate

Nitrogen, Ammonia  
Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Released By:  Date: 9:10  
8/4/20

Received By:  Date:

Received By: \_\_\_\_\_ Date:

SUBCONTRACT ORDER  
Maryland Spectral Services

0080306

Due 4:00 PM 08/12/20

Laboratory ID

Comments

Sample ID: 0080306-08 OB10

Water

Sampled: 08/03/20 13:28

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0080306-09 ST80

Water

Sampled: 08/03/20 14:00

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0080306-10 MW-16B

Water

Sampled: 08/03/20 14:50

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0080306-11 MW-16A

Water

Sampled: 08/03/20 15:30

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

9:10  
8/4/20

Received By

Date

Received By

Date

**SUBCONTRACT ORDER**  
**Maryland Spectral Services**

**0080524**

**SENDING LABORATORY:**

Maryland Spectral Services  
 1500 Caton Center Dr. Suite G  
 Halethorpe, MD 21227  
 Phone: 410.247.7600  
 Project Manager: Cory Koons  
 Reports Email: Reporting@mdspectral.com

**RECEIVING LABORATORY:**

Enviro-Chem Laboratories, Inc  
 47 Loveton Circle, Suite K  
 Sparks, MD 21152  
 Phone: (410) 472-1112  
 Fax: (410) 472-1116

8/15/20 RA

Sample ID	OB	Water	Sampled	Laboratory ID	Comments
0080524-01	OB03	Water	08/05/20 08:22		
Alkalinity		Chloride			
Sulfate					Nitrogen, Ammonia
<i>Containers Supplied:</i>					
Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					
0080524-02	OB03A	Water	08/05/20 08:55		
Alkalinity		Chloride			
Sulfate					Nitrogen, Ammonia
<i>Containers Supplied:</i>					
Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					
0080524-03	MW-8	Water	08/05/20 09:37		
Alkalinity		Chloride			
Sulfate					Nitrogen, Ammonia
<i>Containers Supplied:</i>					
Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)					

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

Released By: *RachDA* Date: 8/16/20  
 Received By: *MS* Date: 8/15

**SUBCONTRACT ORDER**  
**Maryland Spectral Services**

**0080524**

**Due 4:00 PM 08/14/20**

**Laboratory ID**

**Comments**

**Sample ID: 0080524-04** MW-7 Water Sampled: 08/05/20 10:17  
Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
Sulfate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0080524-05** OBO2A Water Sampled: 08/05/20 11:09  
Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
Sulfate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0080524-06** OBO2 Water Sampled: 08/05/20 11:40  
Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
Sulfate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0080524-07** MW-19B Water Sampled: 08/05/20 12:38  
Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
Sulfate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

*[Signature]* 9:10  
 8/16/20

*[Signature]* u.s

Released By \_\_\_\_\_ Date \_\_\_\_\_ Received By \_\_\_\_\_ Date \_\_\_\_\_  
 Released By \_\_\_\_\_ Date \_\_\_\_\_ Received By \_\_\_\_\_ Date \_\_\_\_\_

SUBCONTRACT ORDER  
Maryland Spectral Services

0080524

Due 4:00 PM 08/14/20

Laboratory ID

Comments

Sample ID: 0080524-08 MW-19A Water Sampled: 08/05/20 13:22

Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
Sulfate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0080524-09 MW-6 Water Sampled: 08/05/20 14:28

Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
Sulfate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)


Sample ID: 0080524-10 OB01 Water Sampled: 08/05/20 15:13

Alkalinity Chloride Nitrogen, Ammonia Nitrogen, Nitrate  
Sulfate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

 9:10  
8/16/20  
Received By Date  
Received By Date

**SUBCONTRACT ORDER**  
Maryland Spectral Services

0080617

**RECEIVING LABORATORY:**

Enviro-Chem Laboratories, Inc  
47 Loveton Circle, Suite K  
Sparks, MD 21152  
Phone :(410) 472-1112  
Fax: (410) 472-1116

**SENDING LABORATORY:**

Maryland Spectral Services  
1500 Caton Center Dr. Suite G  
Halethorpe, MD 21227  
Phone: 410.247.7600  
Project Manager: Cory Koons

Reports Email: [Reporting@mdspectral.com](mailto:Reporting@mdspectral.com)

8/6/20 RH

**Due 4:00 PM 08/17/20**

**Laboratory ID**

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

**Sample ID: 0080617-01 MW-11B**

**Water**

**Sampled: 08/06/20 09:13**

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0080617-02 MW-11A**

**Water**

**Sampled: 08/06/20 09:50**

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

**Sample ID: 0080617-03 MW-10**

**Water**

**Sampled: 08/06/20 10:53**

Chloride

Nitrogen, Ammonia

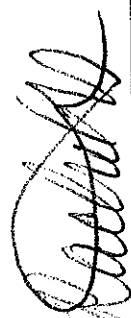
Nitrogen, Nitrate

*Containers Supplied:*

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

7-38

9:13  
8/7/20



Released By

Date

Received By

Date

Released By

Date

Received By

Date

SUBCONTRACT ORDER  
Maryland Spectral Services

0080617

Laboratory ID

Due 4:00 PM 08/17/20

Comments

Sample ID: 0080617-04

MW-14B

Water

Sampled: 08/06/20 11:42

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia  
Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0080617-05

MW-14A

Water

Sampled: 08/06/20 12:20

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia  
Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0080617-06

MW-15

Water

Sampled: 08/06/20 13:16

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia  
Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Sample ID: 0080617-07

MW-9

Water

Sampled: 08/06/20 14:06

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia  
Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

9:13



8/7/20

Released By

Date

Date

Received By

Released By

Date

Date

Received By



SUBCONTRACT ORDER  
Maryland Spectral Services

0080617

Due 4:00 PM 08/17/20

Sample ID: 0080617-08 MW-12

Water

Sampled: 08/06/20 15:02

Laboratory ID

Comments

Alkalinity  
Sulfate

Chloride

Nitrogen, Ammonia

Nitrogen, Nitrate

Containers Supplied:

Plastic, 0.25L H2SO4 (J) Plastic, 0.5L None (K)

Report revised to correct chloride result in sample 0080524-10. Original report ID 08 20 20 1742.

 9.13  
Date 8/17/20

Released By

Date

Received By

Date

Released By

Date

Received By

Date

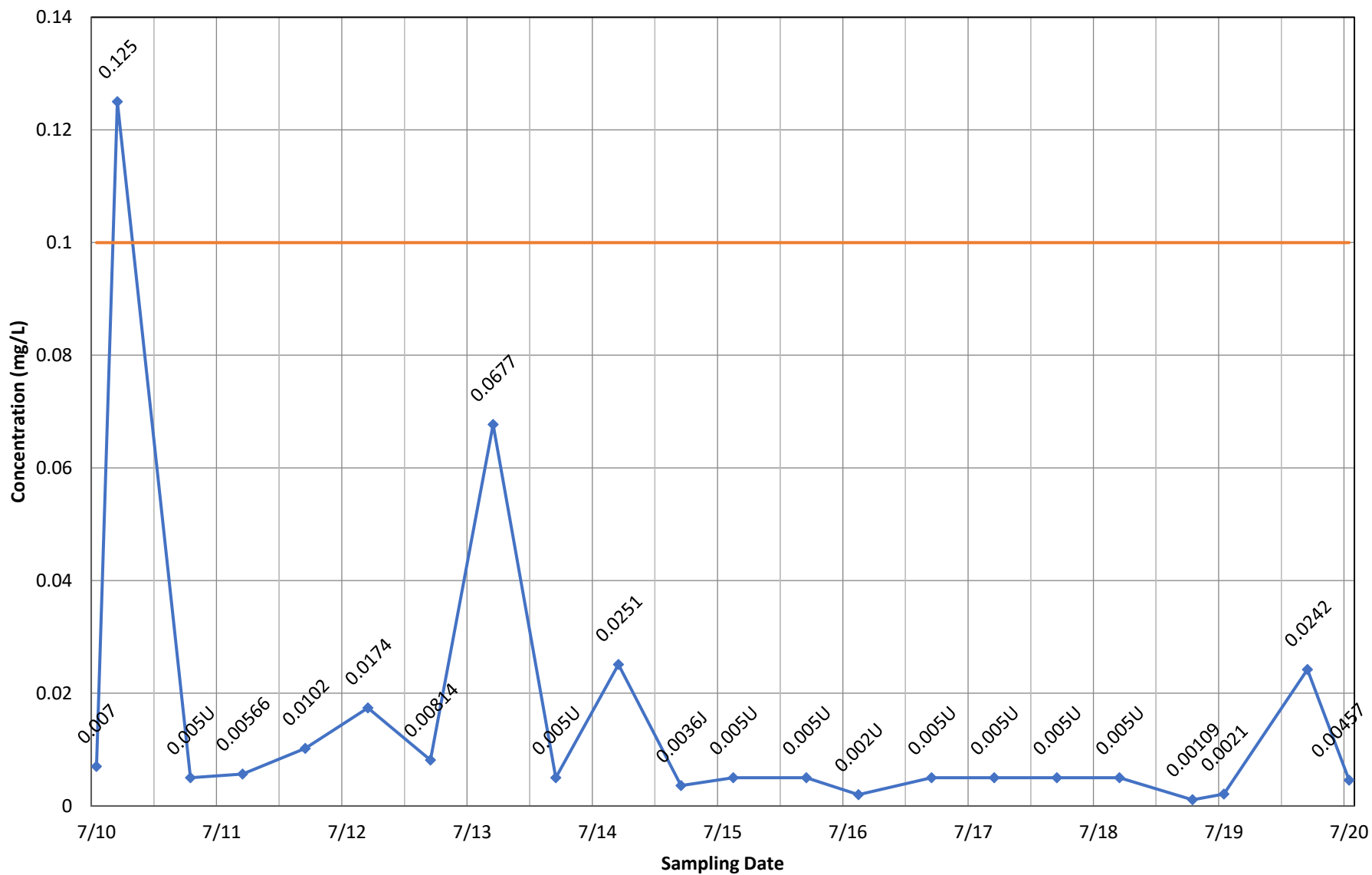
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**Appendix D**

**Maximum Contaminant Level  
Exceedance Graphs**

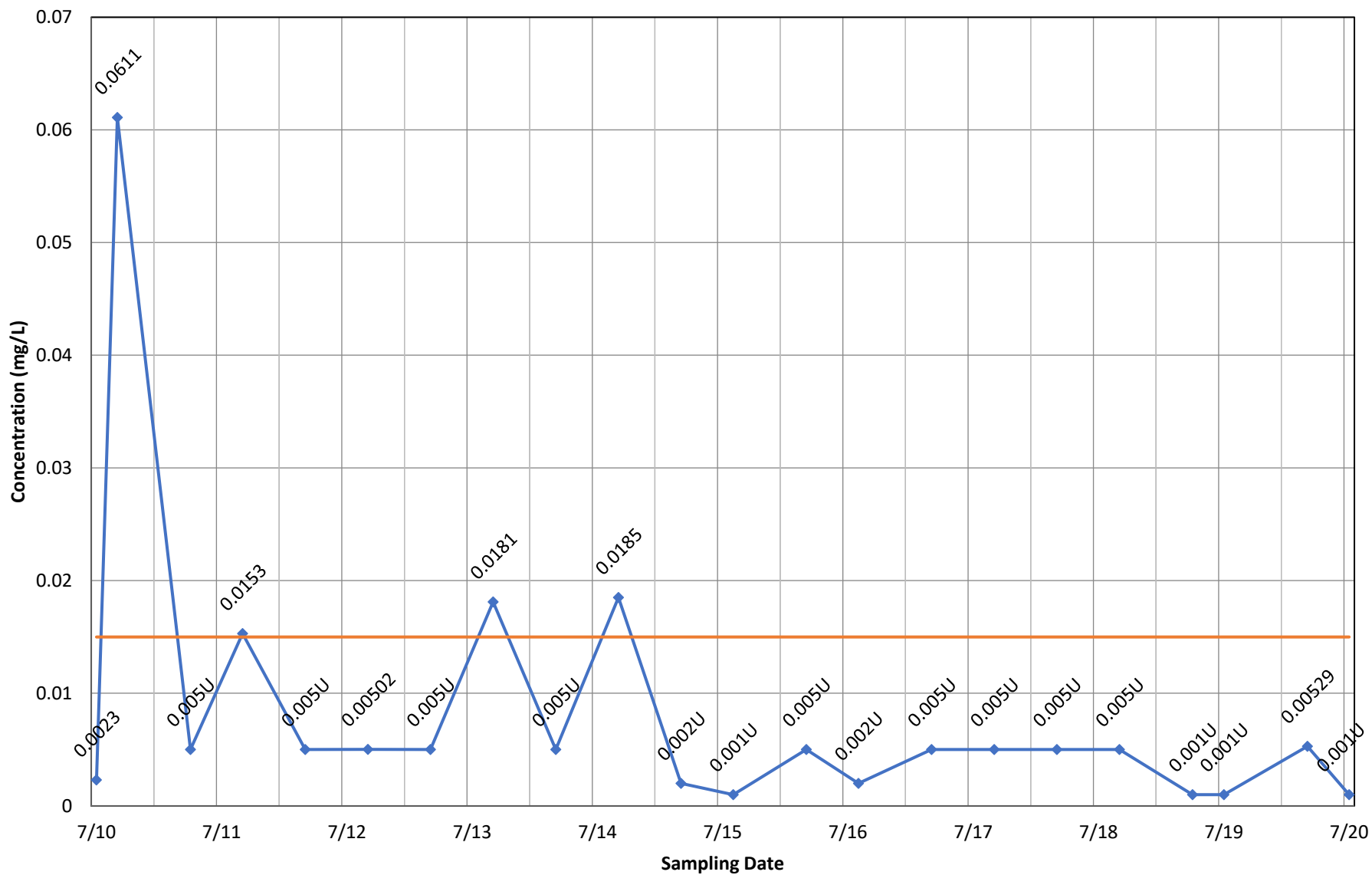
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### Monitoring Well MW-10 - Chromium, total



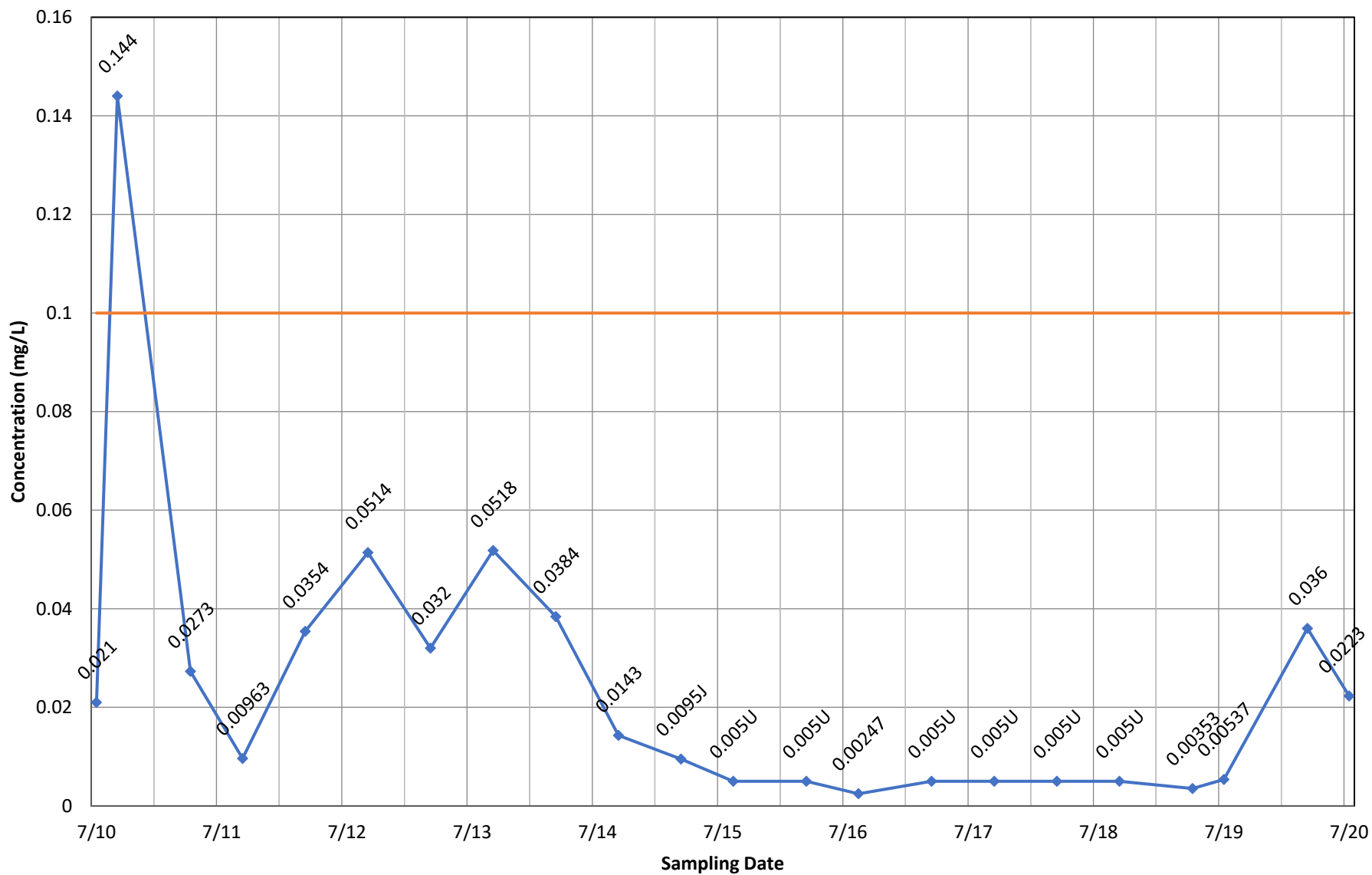
◆ Concentration    — Current MCL

### Monitoring Well MW-10 - Lead, total



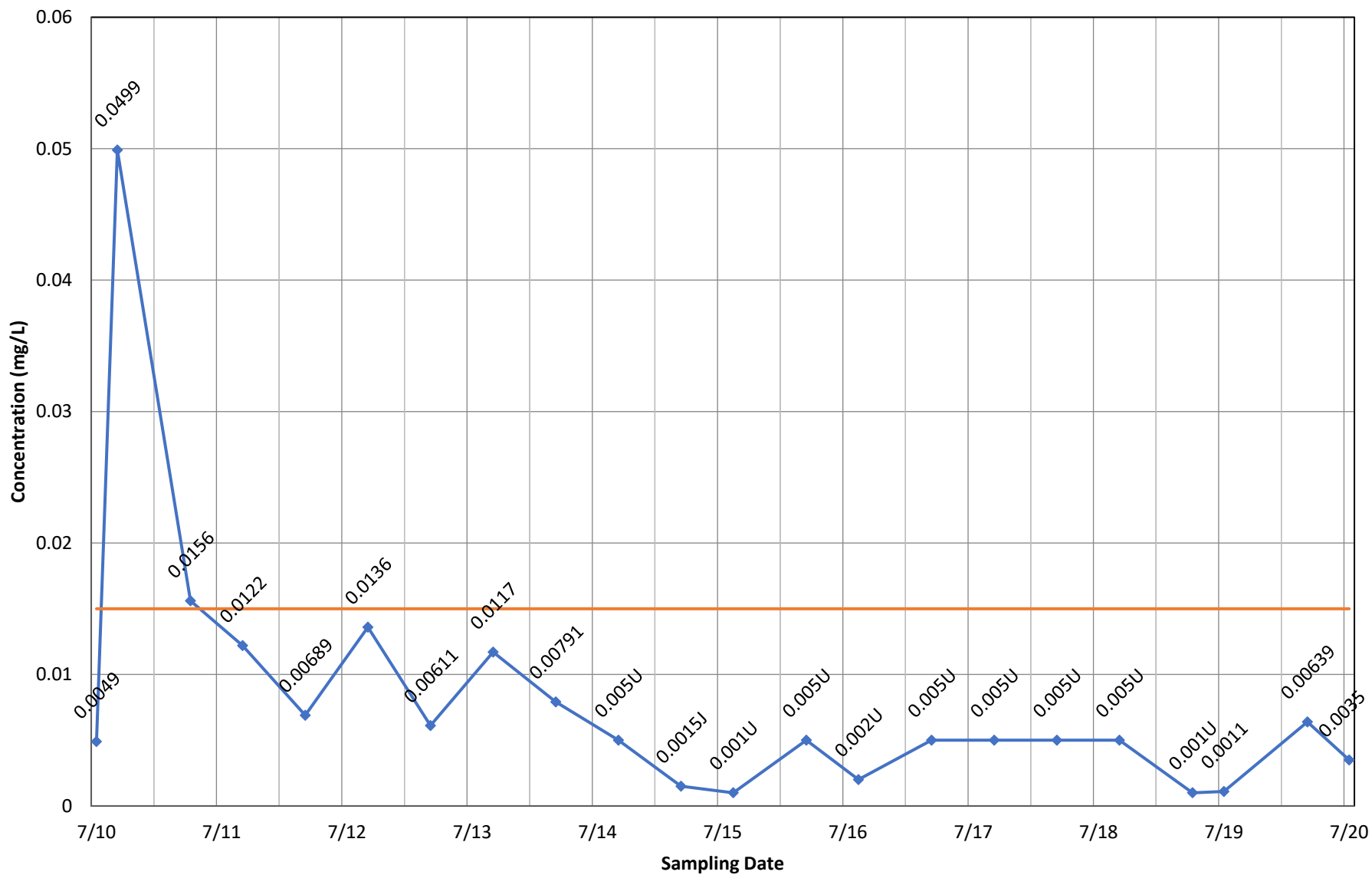
◆ Concentration    — Current MCL

### Monitoring Well MW-11A - Chromium, total



◆ Concentration    — Current MCL

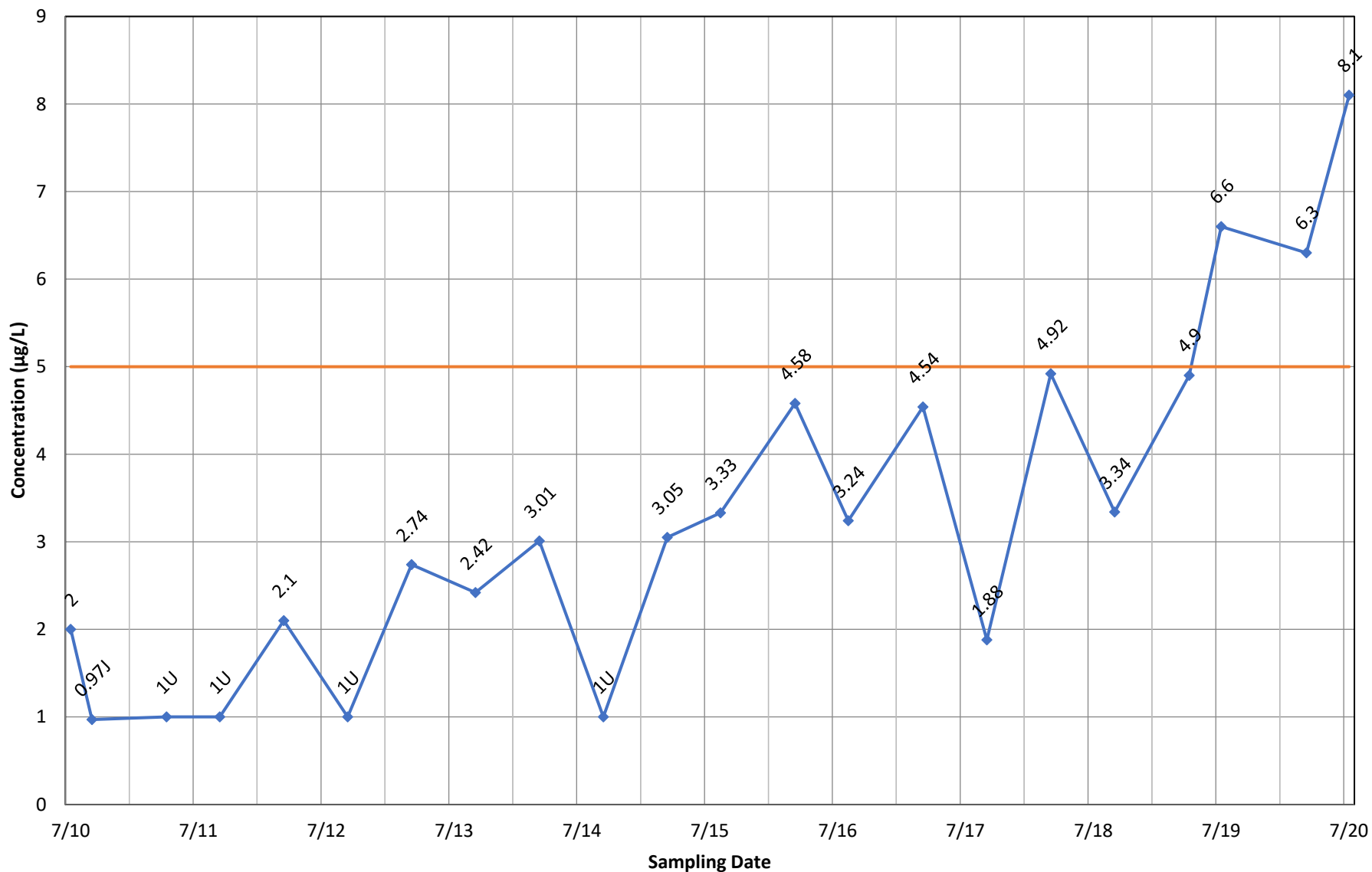
### Monitoring Well MW-11A - Lead, total



◆ Concentration    — Current MCL

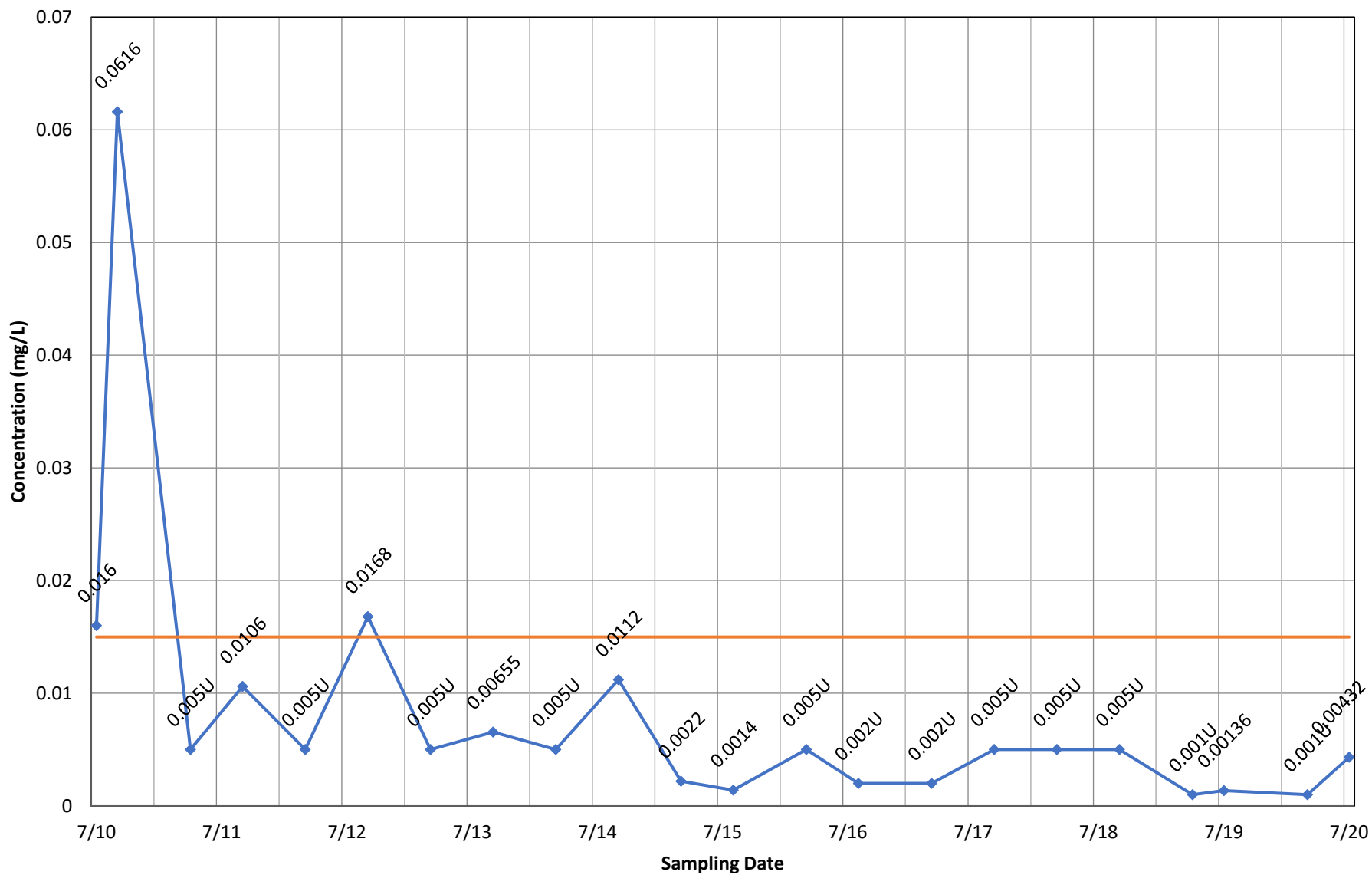


### Monitoring Well MW-11B - Tetrachloroethene



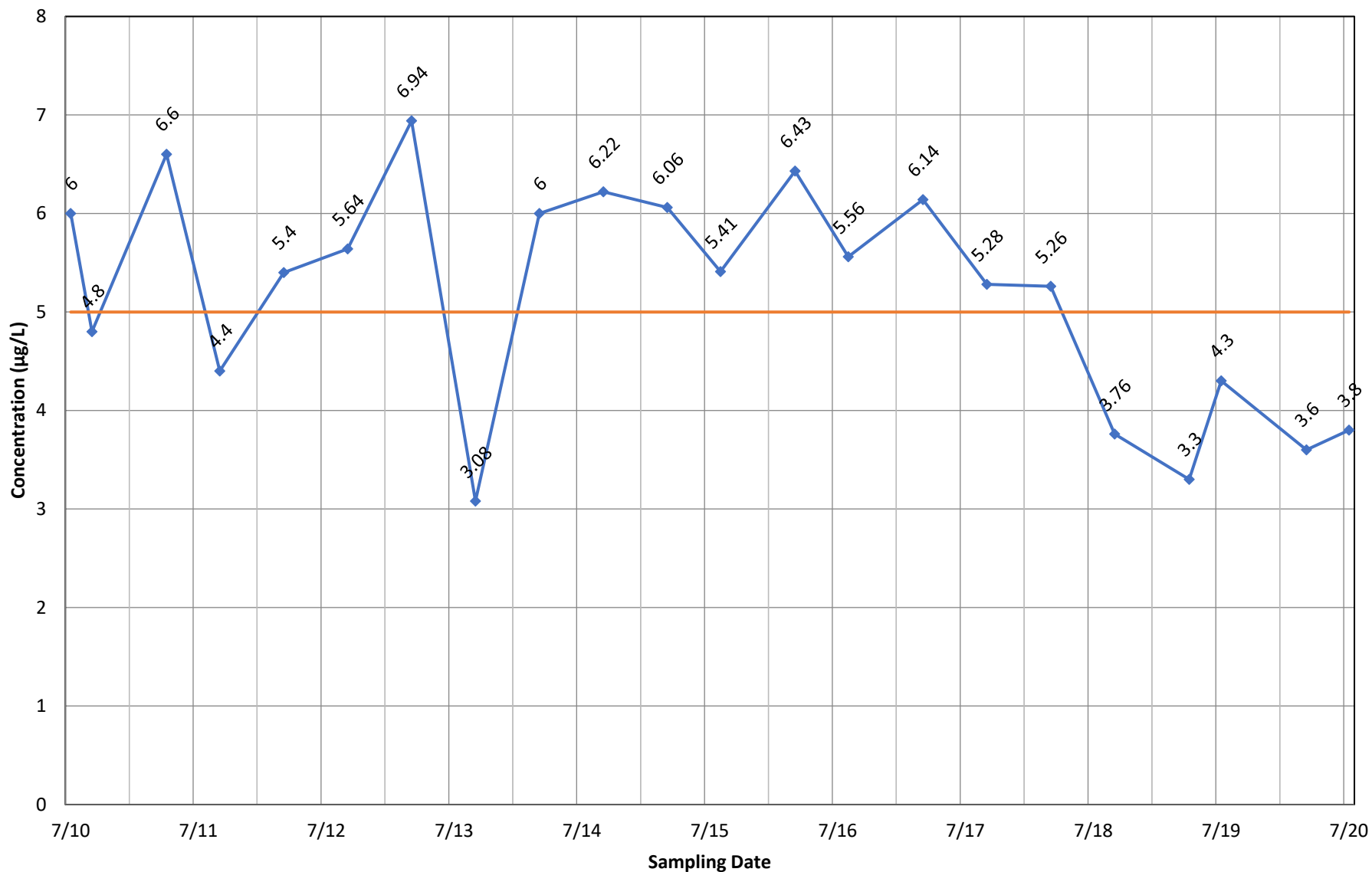
◆ Concentration    — Current MCL

### Monitoring Well MW-12 - Lead, total



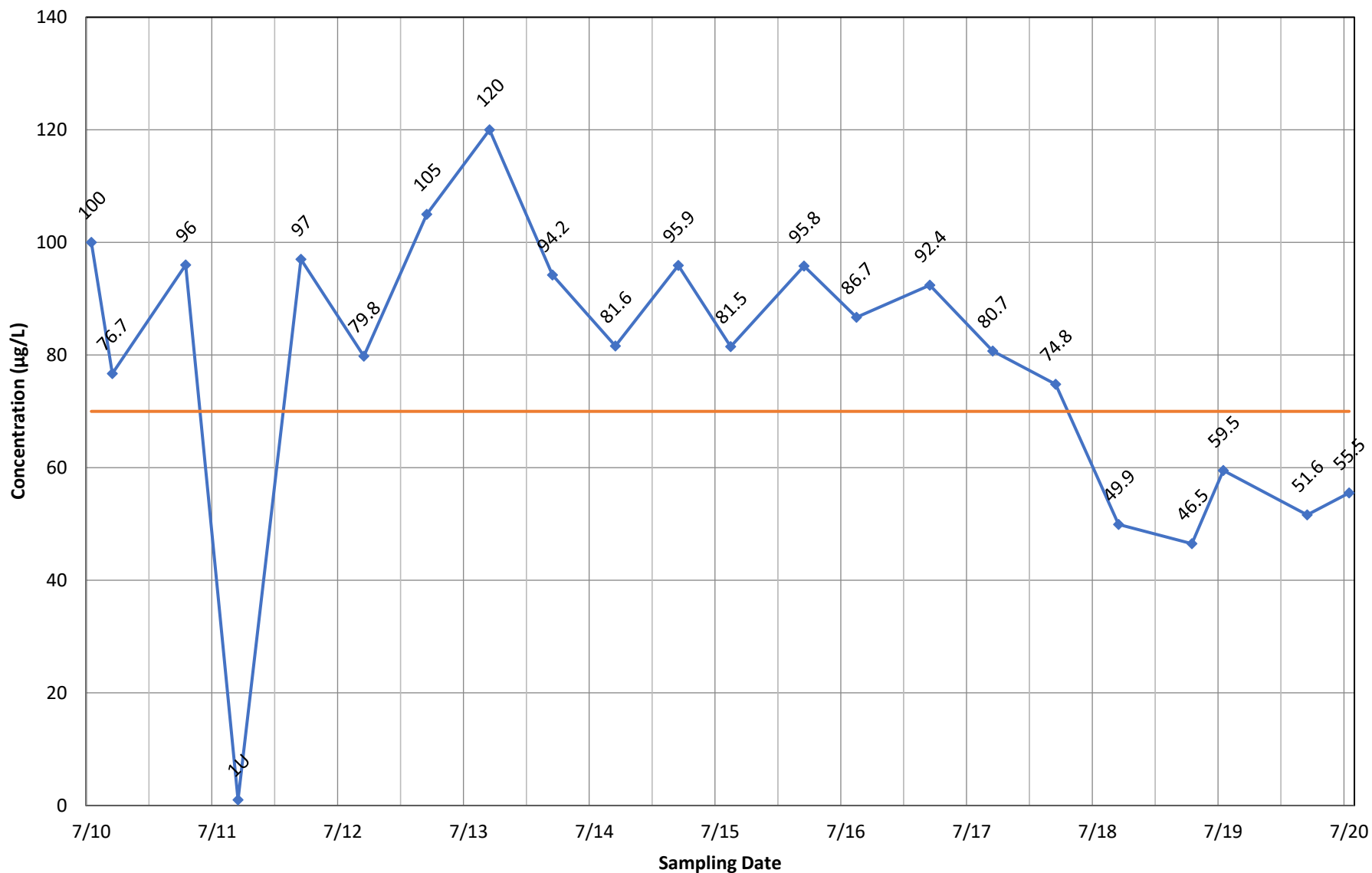
◆ Concentration    — Current MCL

### Monitoring Well MW-13A - 1,2-Dichloropropane



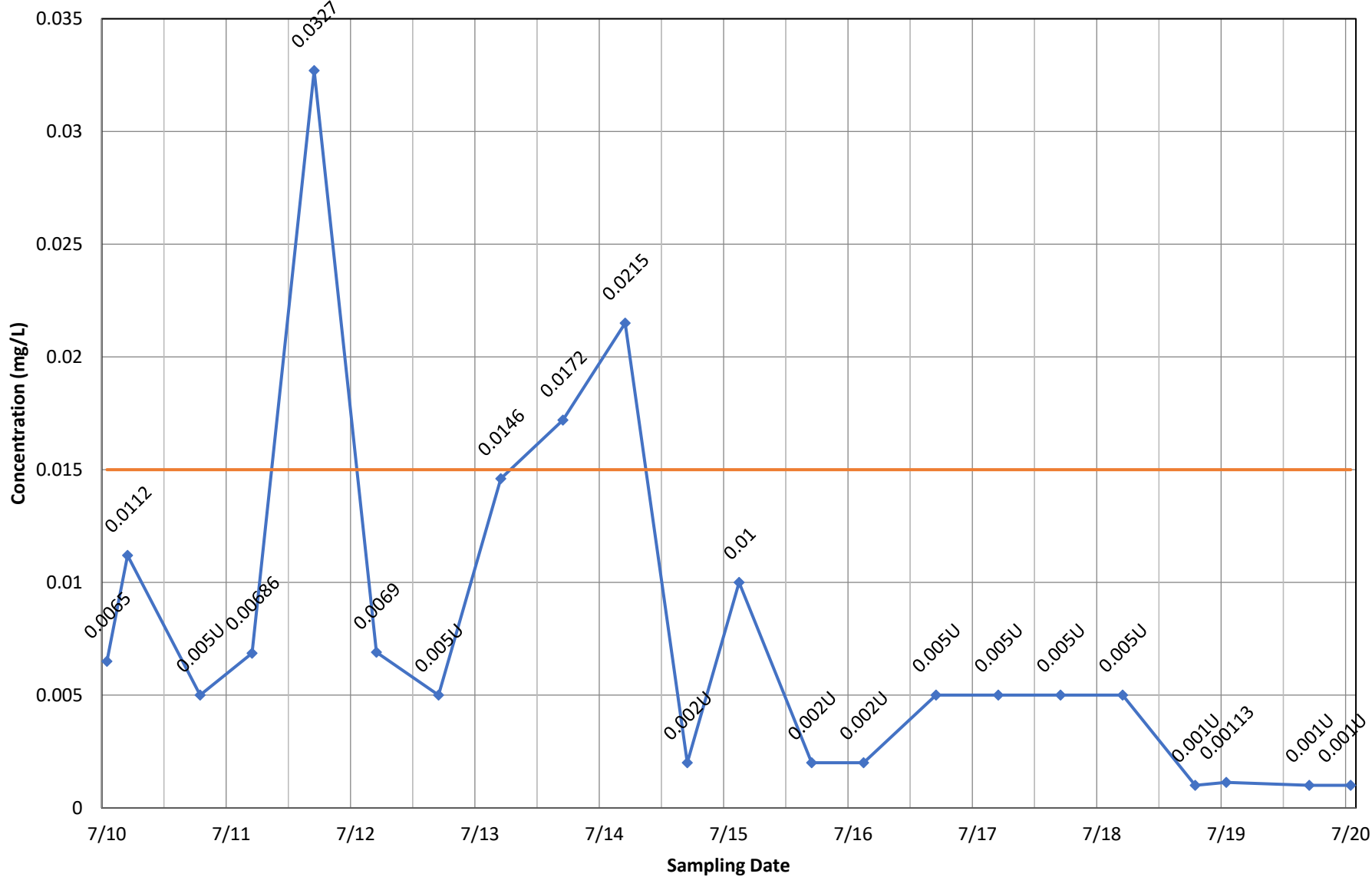
◆ Concentration    — Current MCL

### Monitoring Well MW-13A - cis-1,2-Dichloroethene



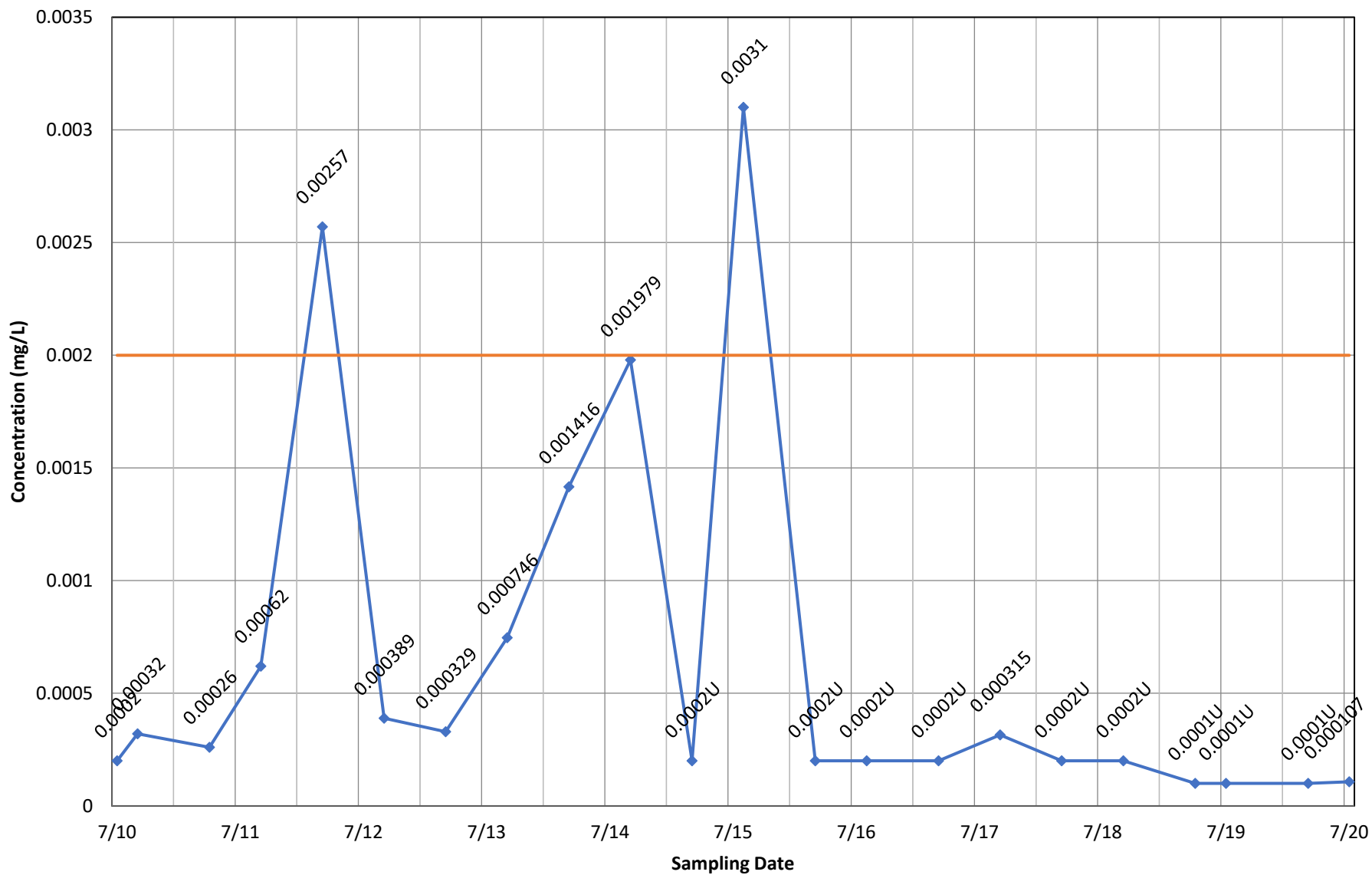
◆ Concentration    — Current MCL

### Monitoring Well MW-13A - Lead, total



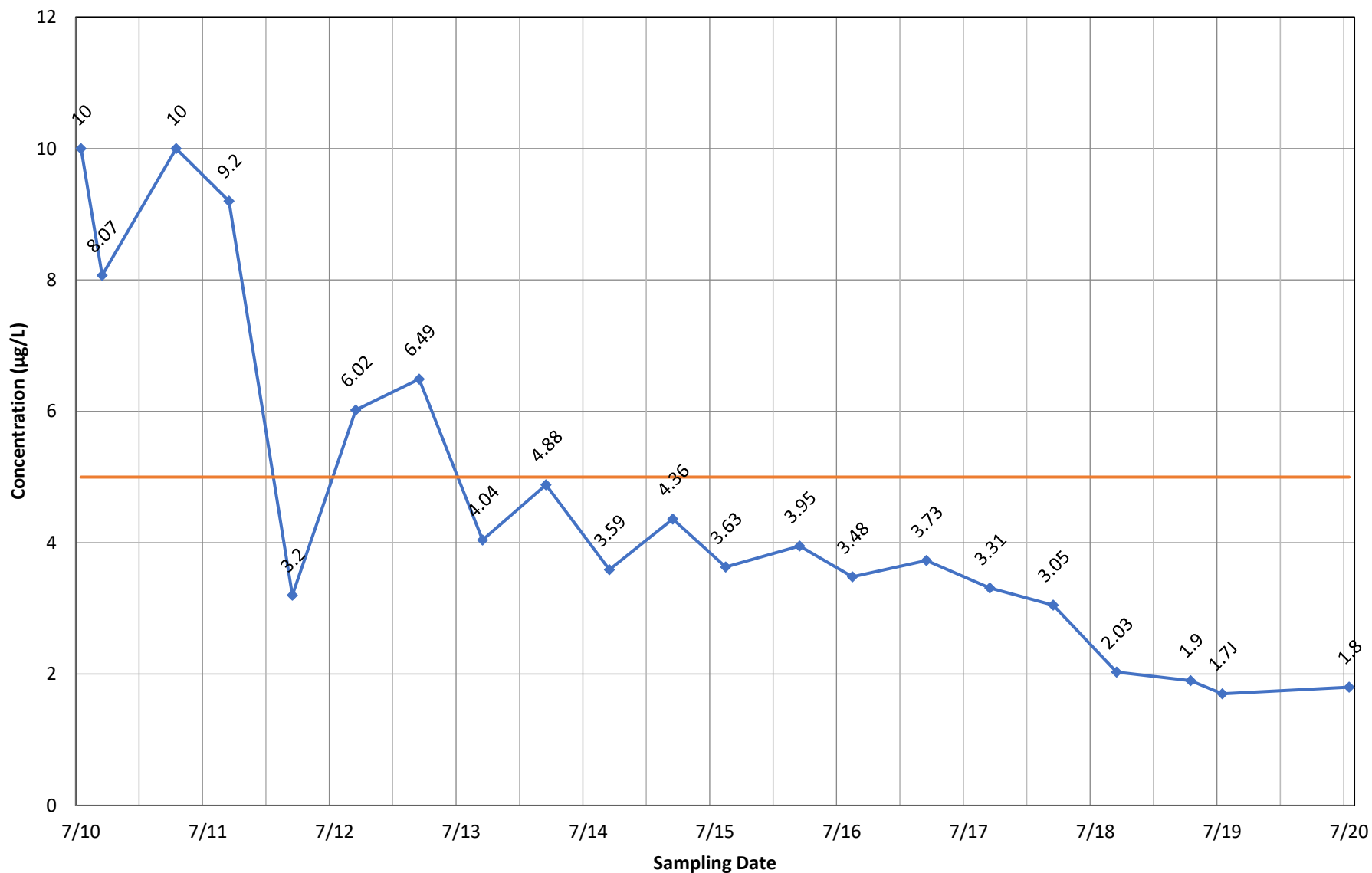
◆ Concentration    — Current MCL

### Monitoring Well MW-13A - Mercury, total



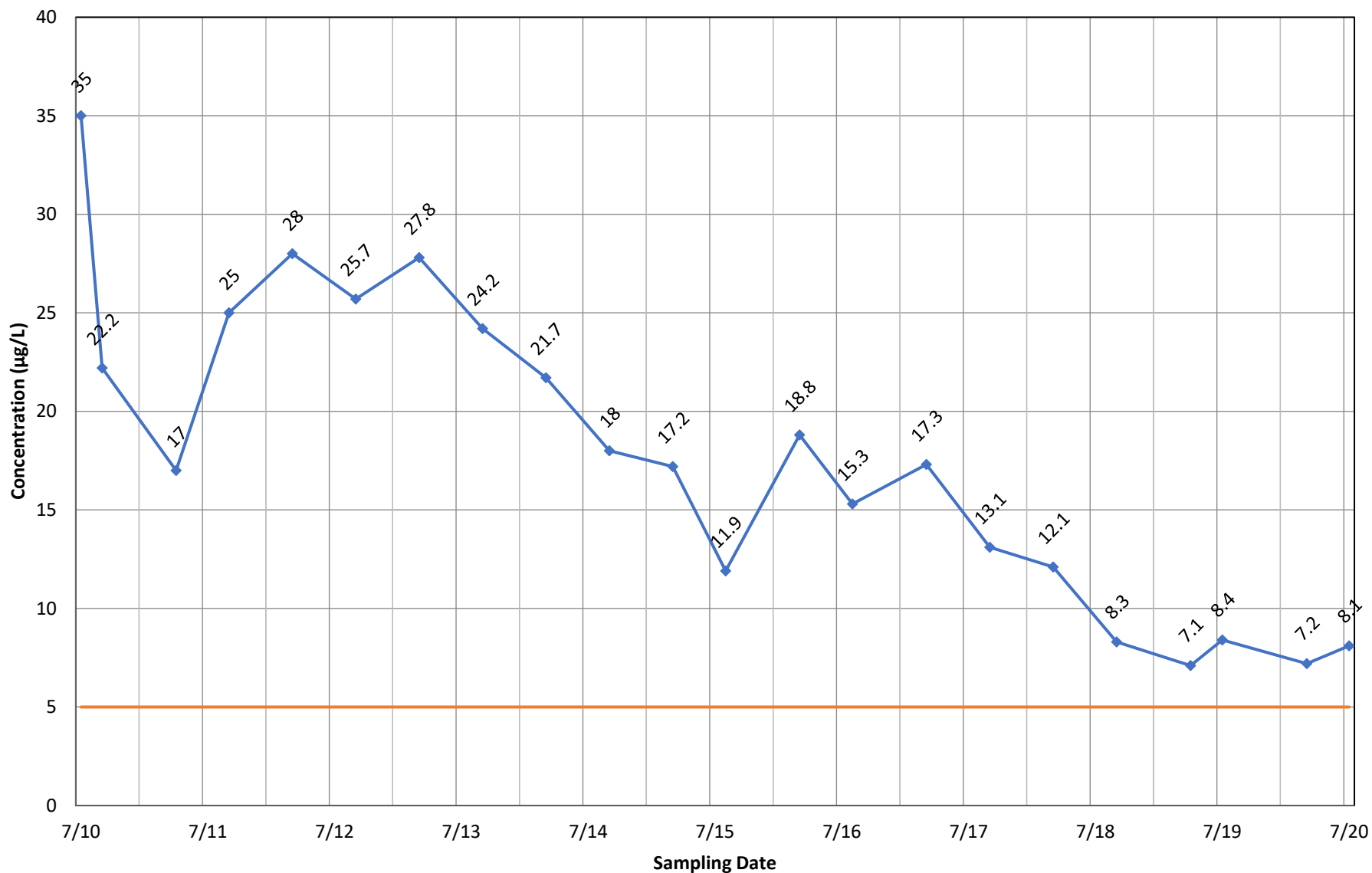
◆ Concentration    — Current MCL

### Monitoring Well MW-13A - Methylene Chloride



◆ Concentration    — Current MCL

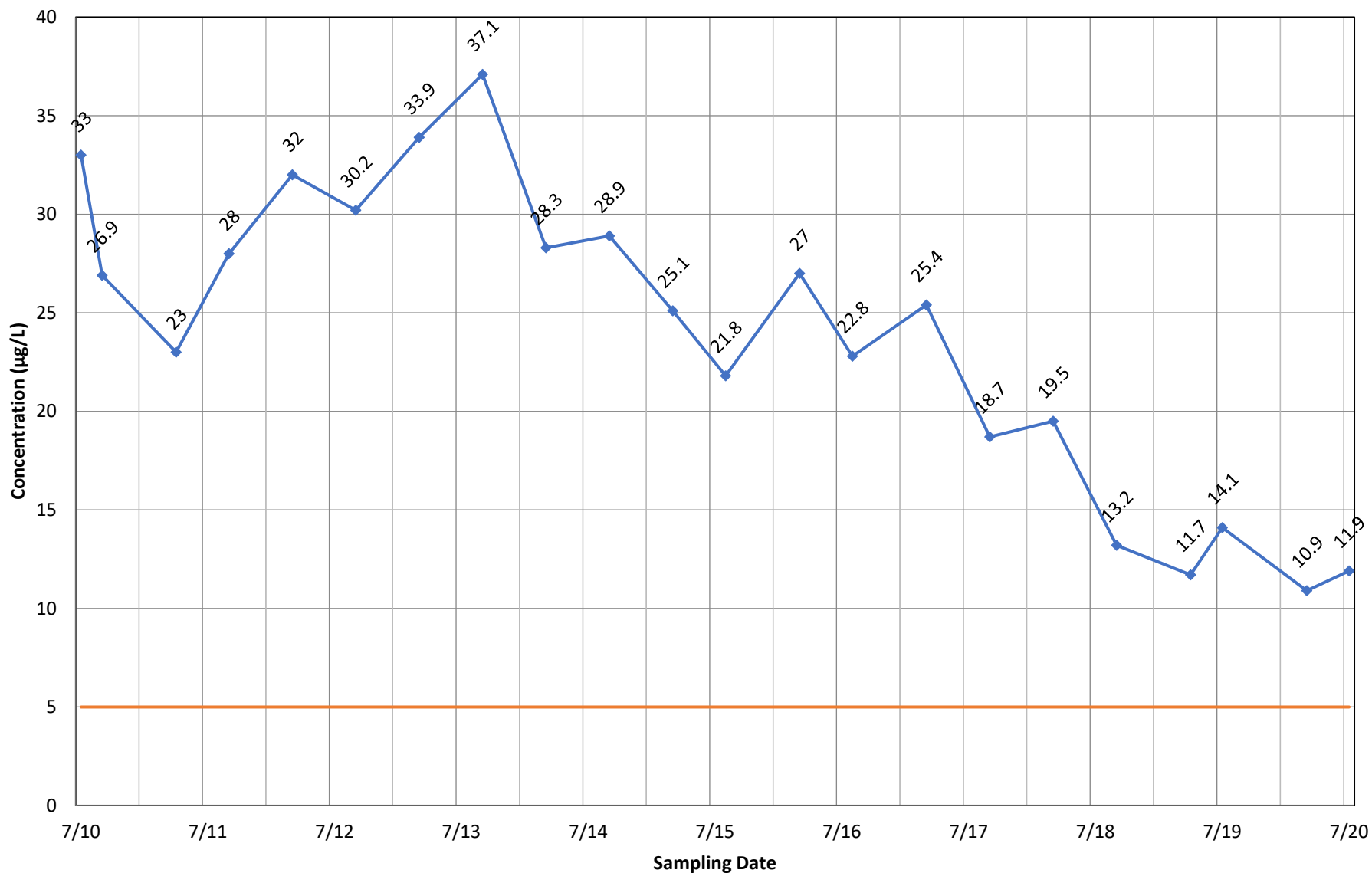
### Monitoring Well MW-13A - Tetrachloroethene



◆ Concentration    — Current MCL

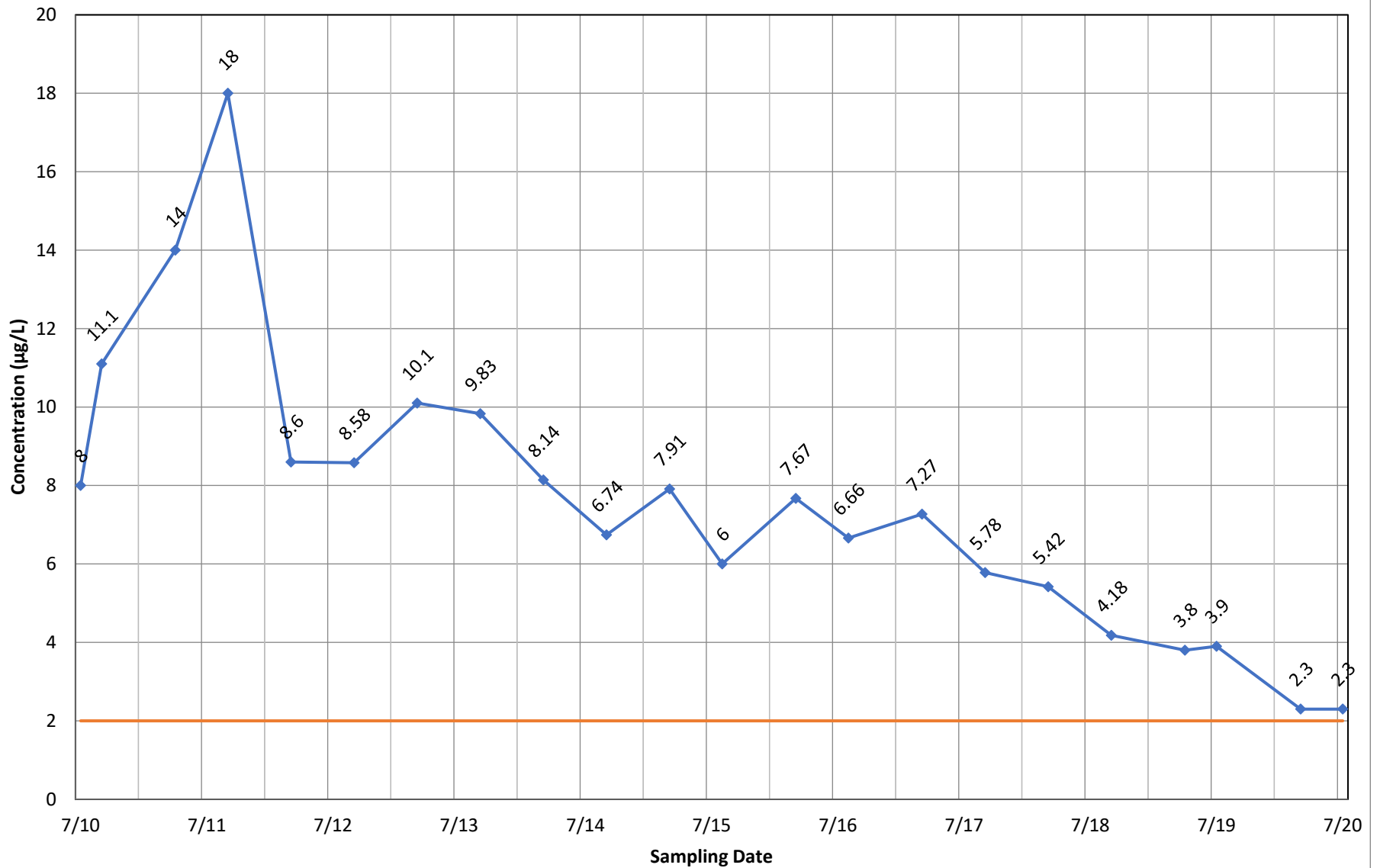


### Monitoring Well MW-13A - Trichloroethene



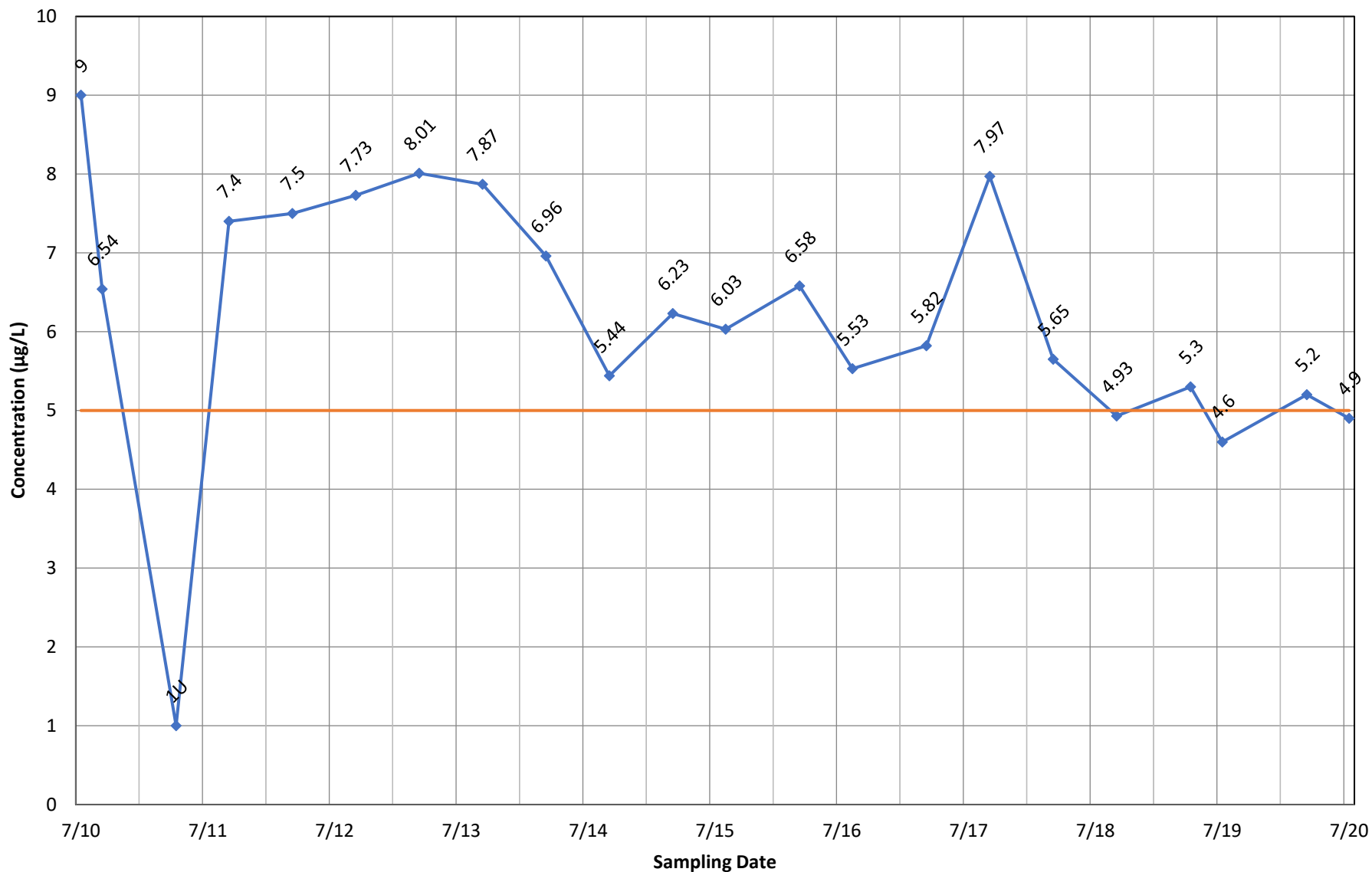
◆ Concentration    — Current MCL

# Monitoring Well MW-13A - Vinyl Chloride



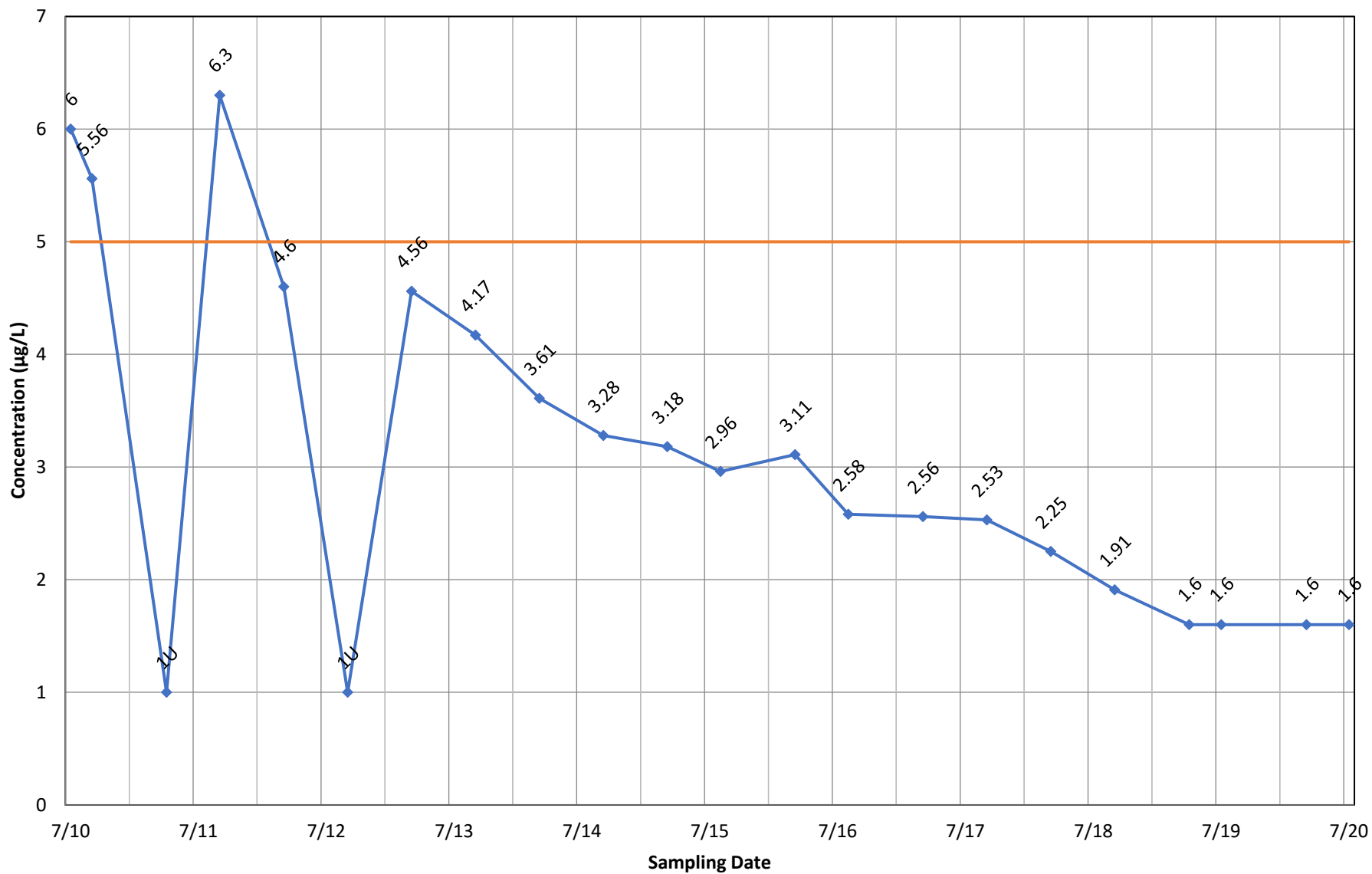
◆ Concentration    — Current MCL

### Monitoring Well MW-13B - 1,2-Dichloropropane



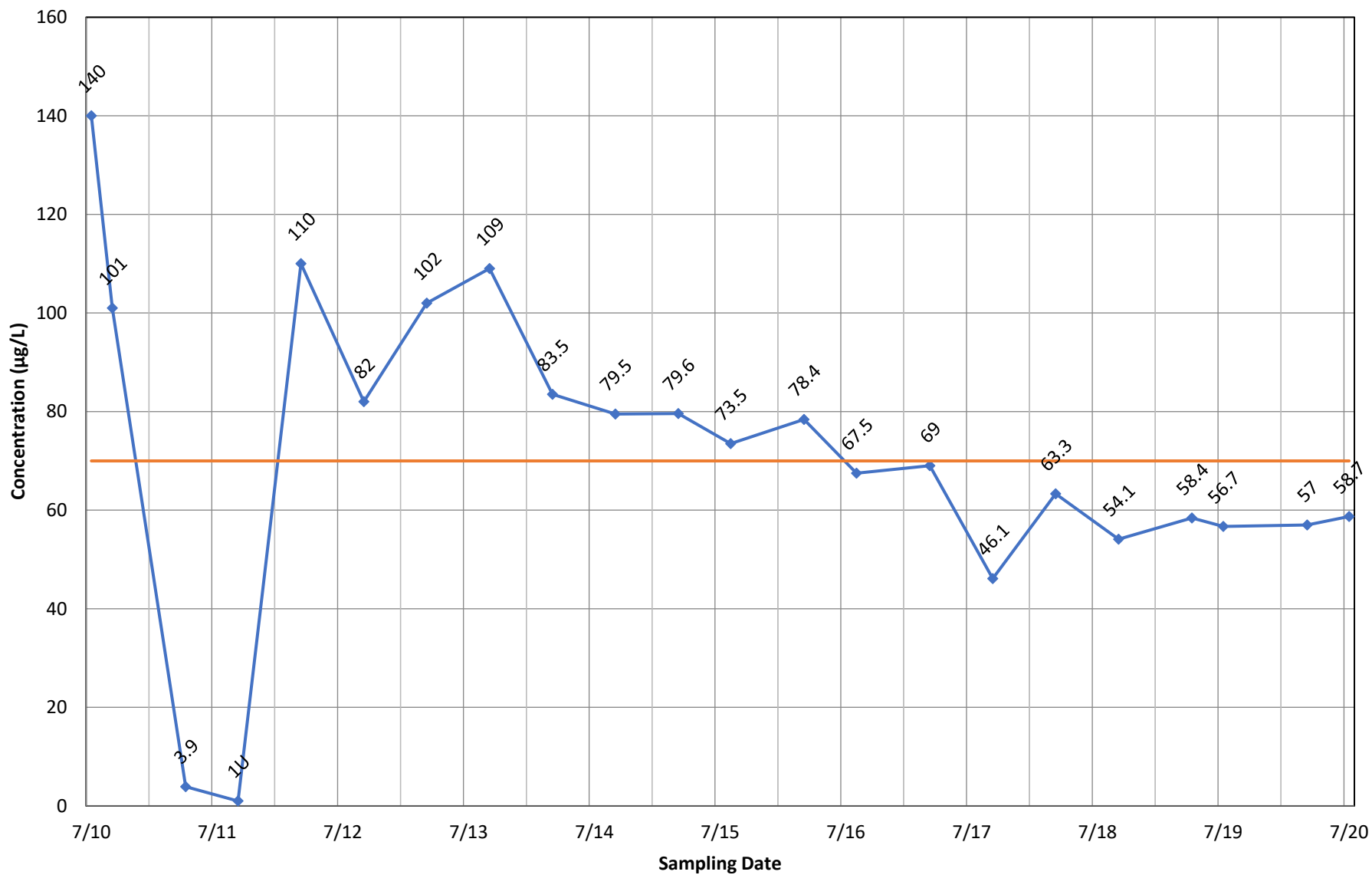
◆ Concentration    — Current MCL

### Monitoring Well MW-13B - Benzene



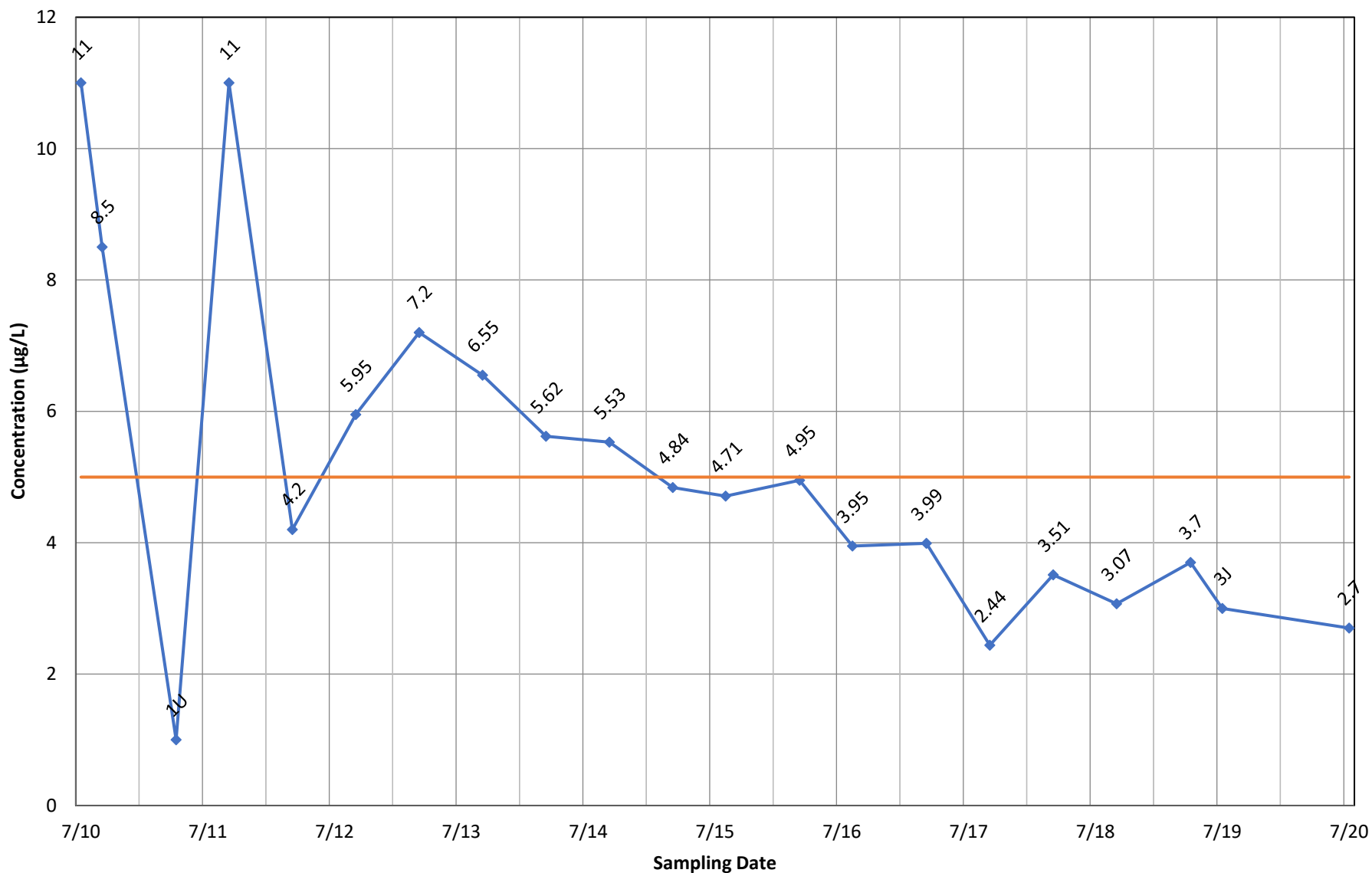
◆ Concentration    — Current MCL

### Monitoring Well MW-13B - cis-1,2-Dichloroethene



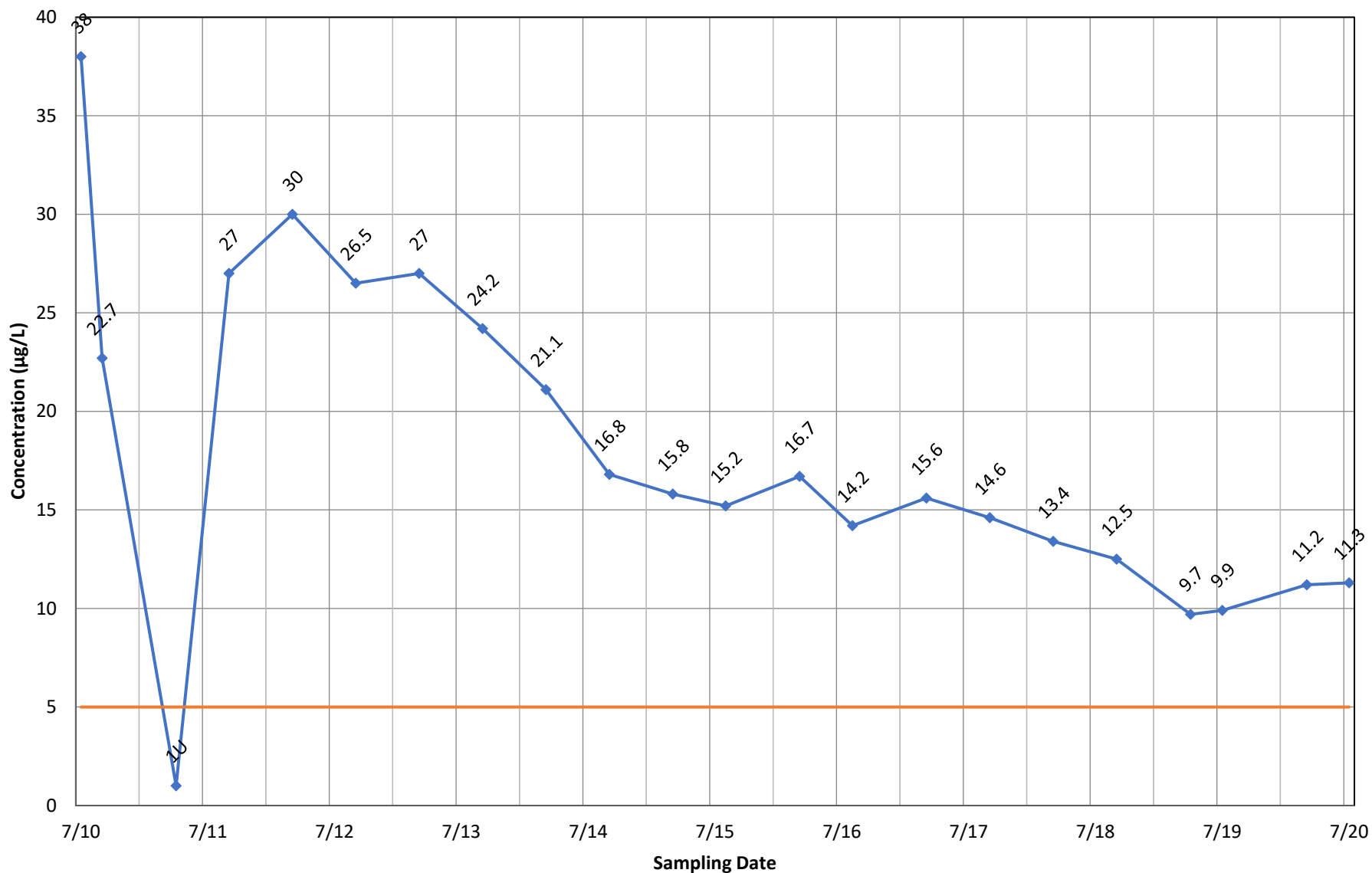
◆ Concentration    — Current MCL

# Monitoring Well MW-13B - Methylene Chloride



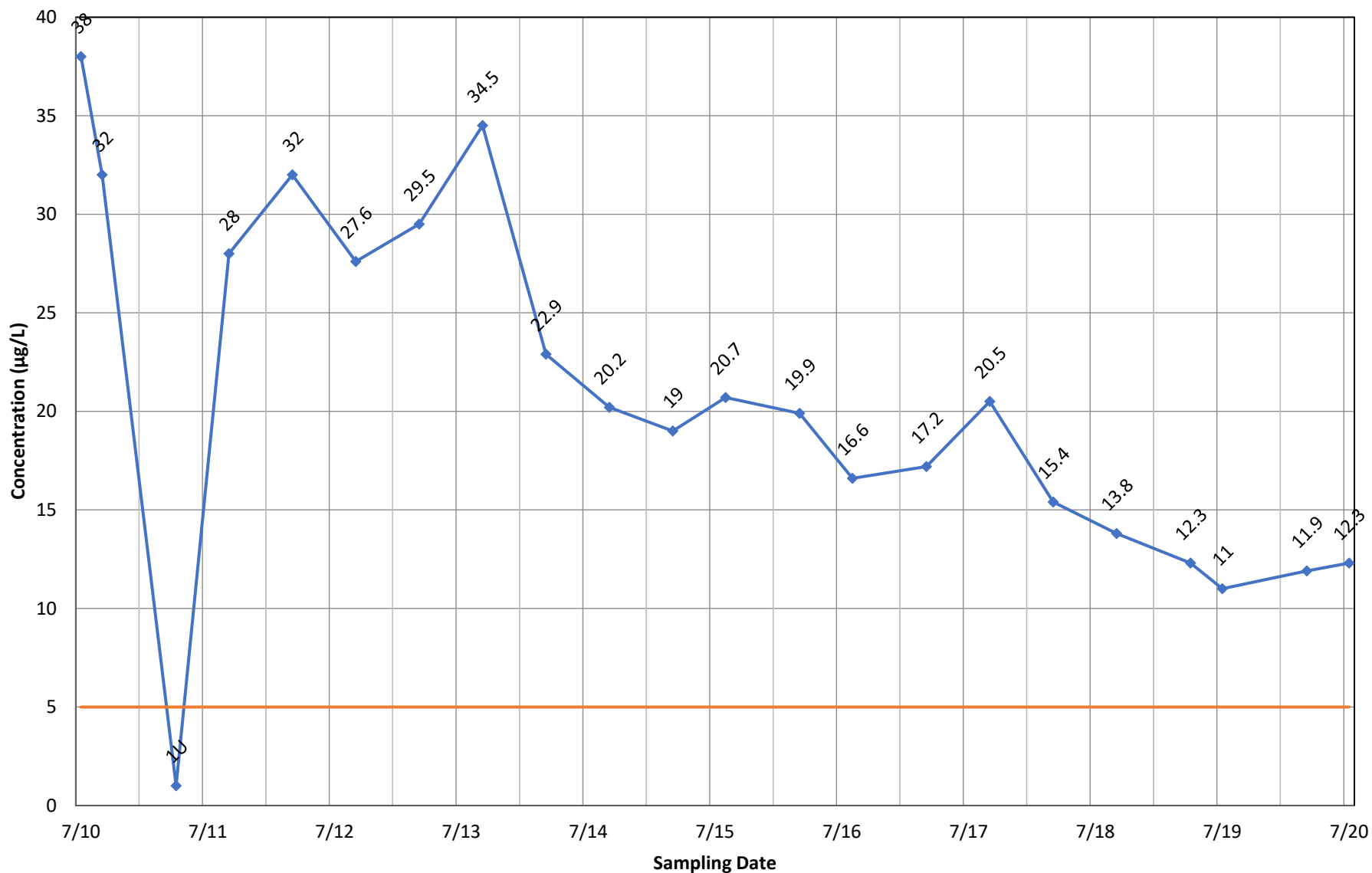
◆ Concentration    — Current MCL

### Monitoring Well MW-13B - Tetrachloroethene



◆ Concentration    — Current MCL

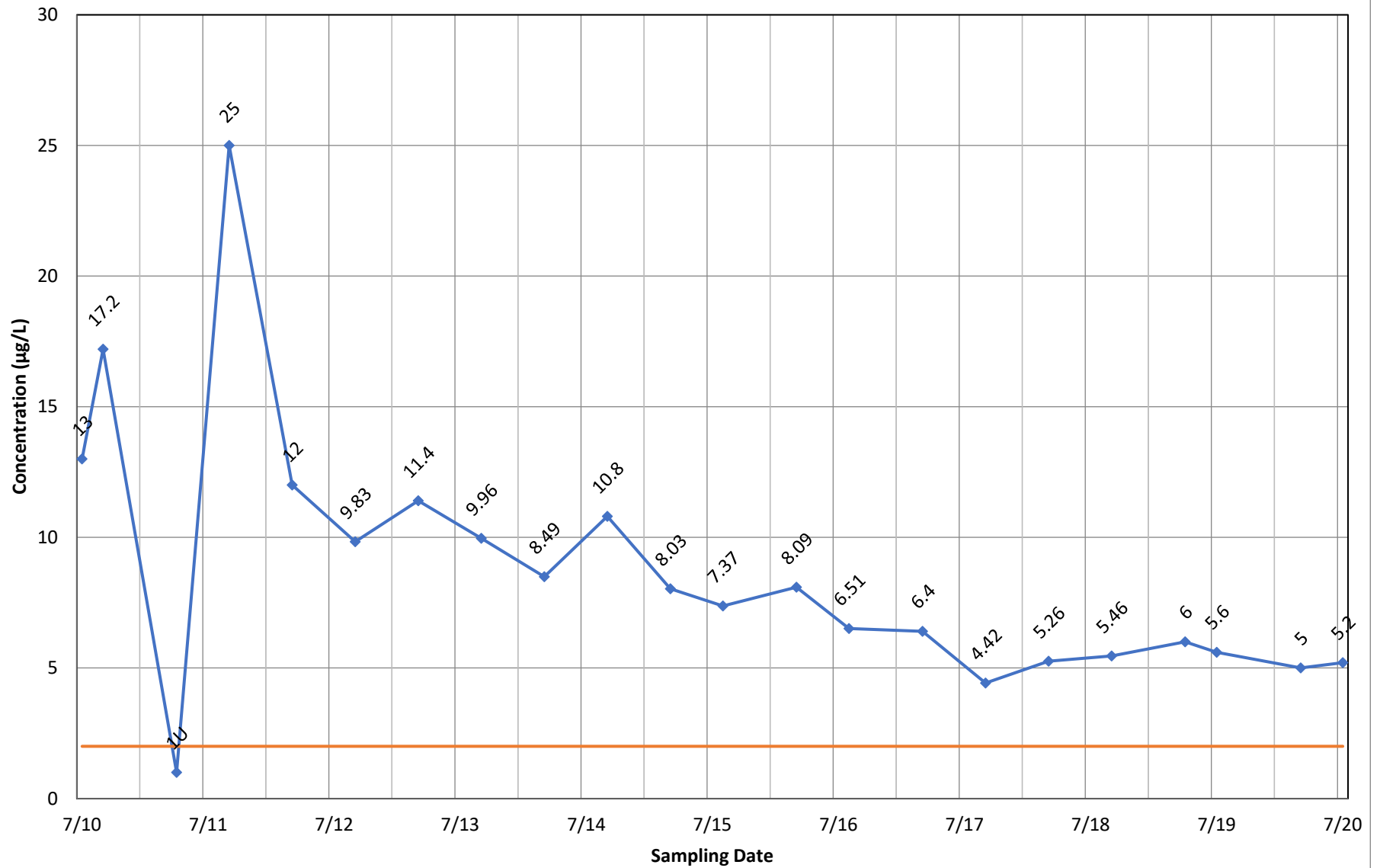
### Monitoring Well MW-13B - Trichloroethene



◆ Concentration    — Current MCL

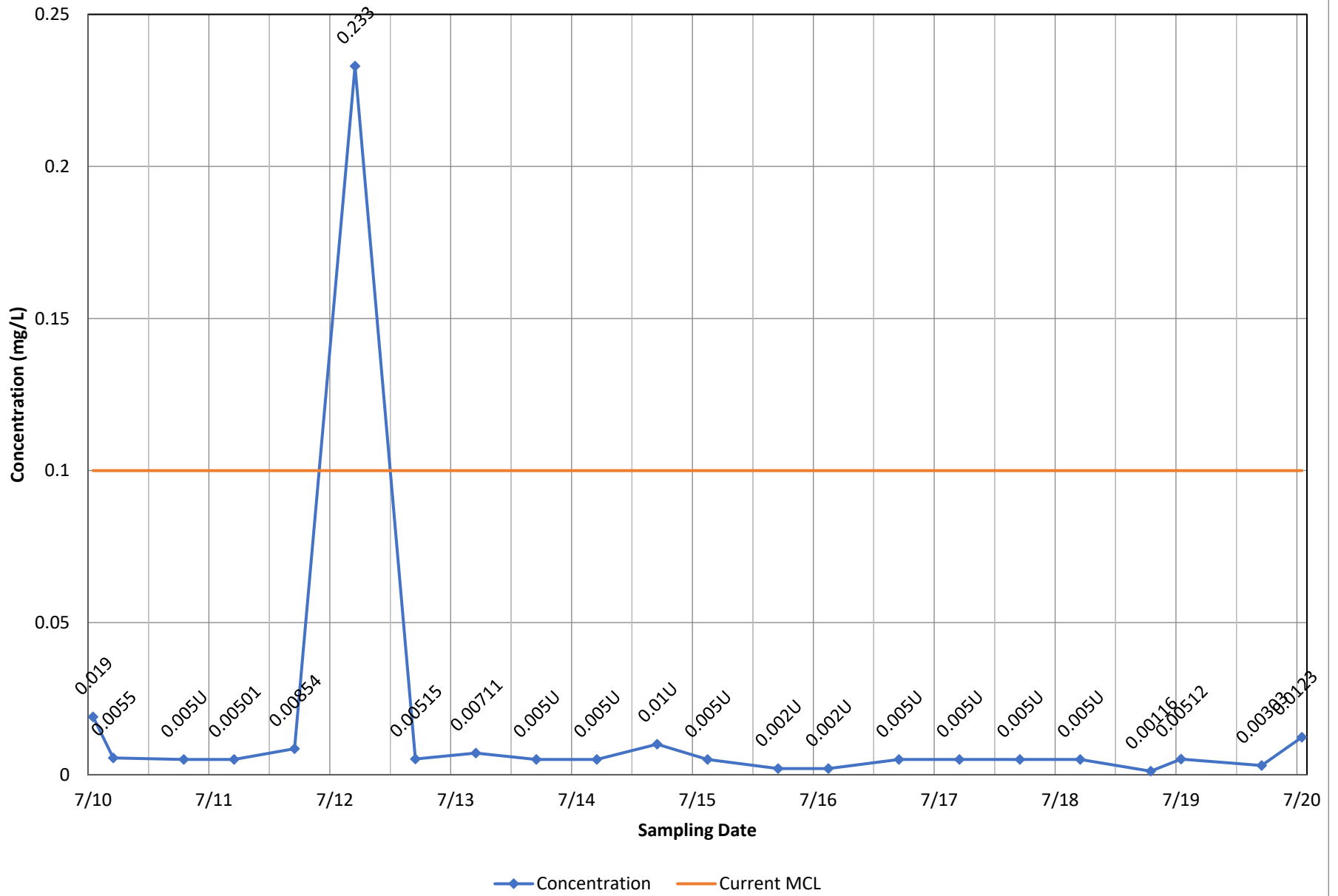


# Monitoring Well MW-13B - Vinyl Chloride

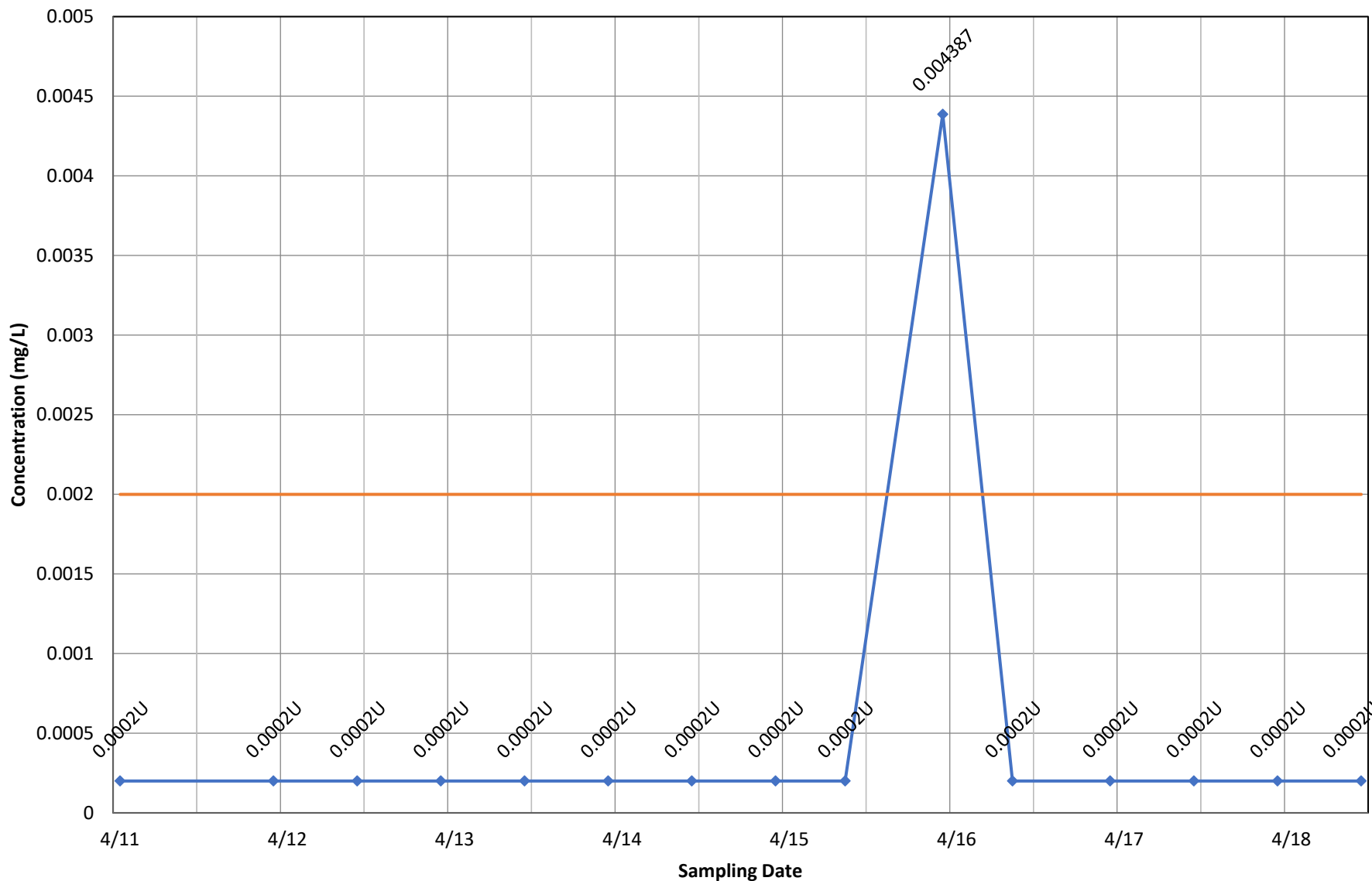


◆ Concentration    — Current MCL

### Monitoring Well MW-1B - Chromium, total

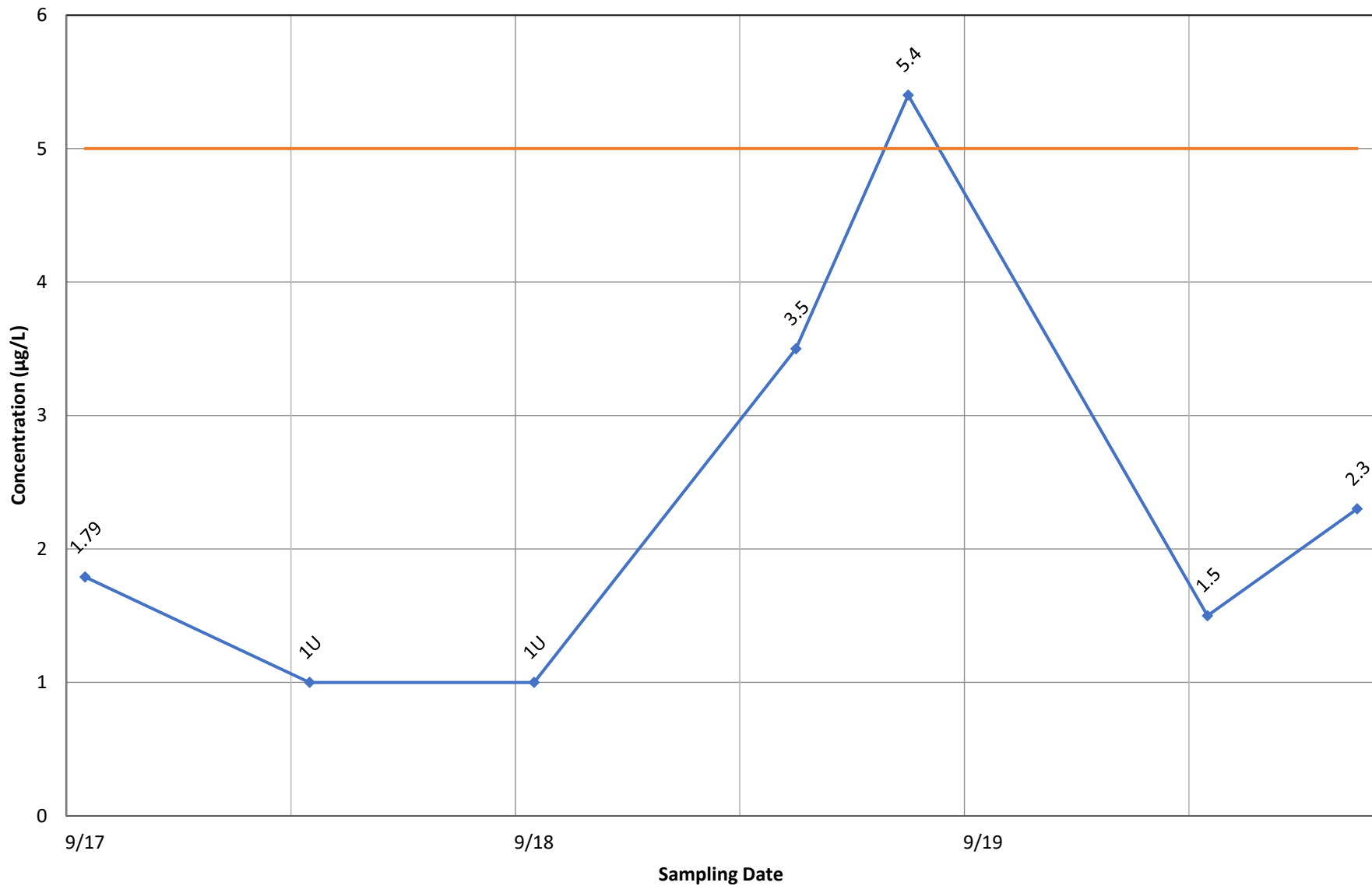


### Monitoring Well MW-1B - Mercury, dissolved



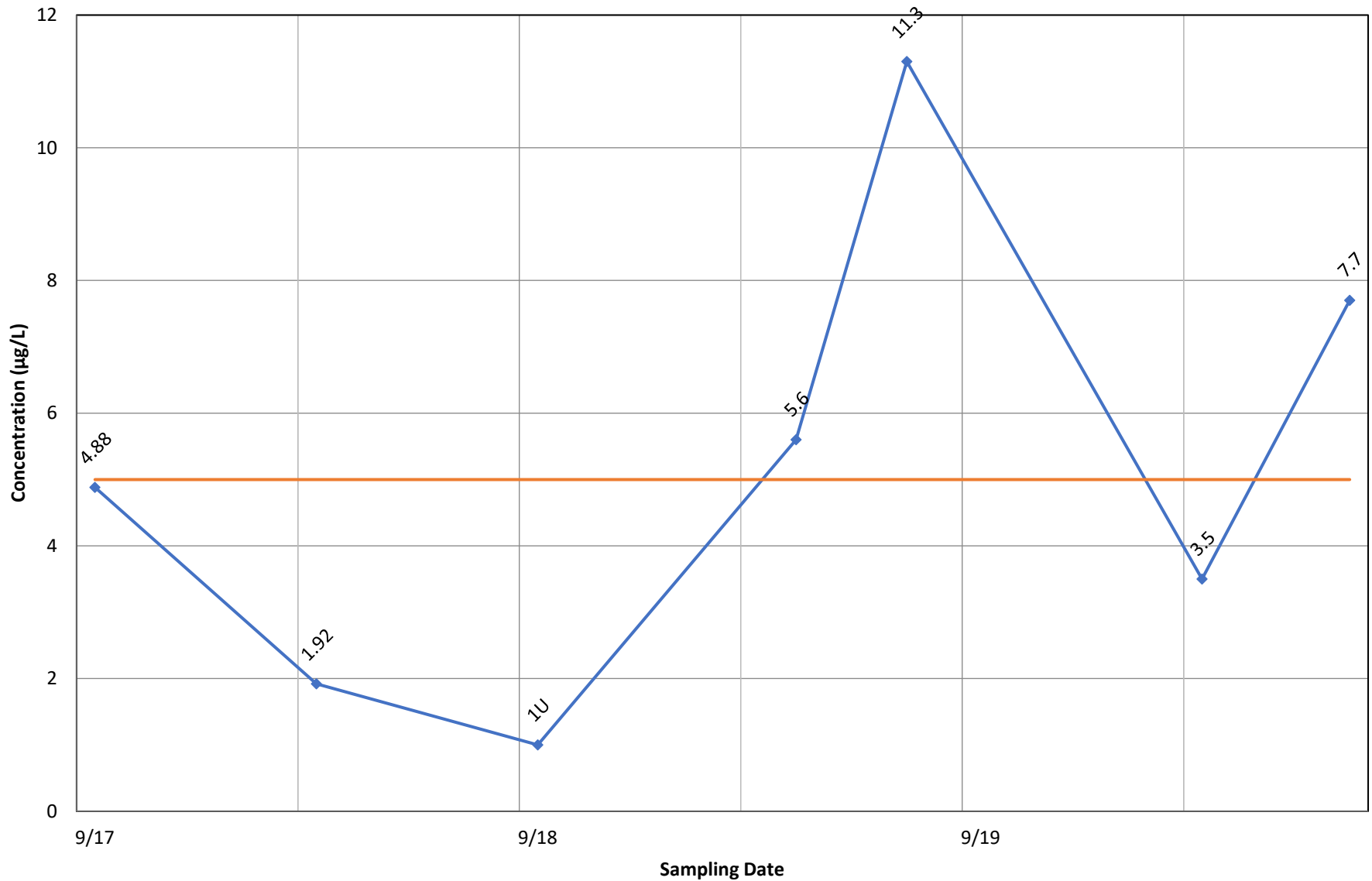
◆ Concentration    — Current MCL

### Monitoring Well MW-21A - Tetrachloroethene



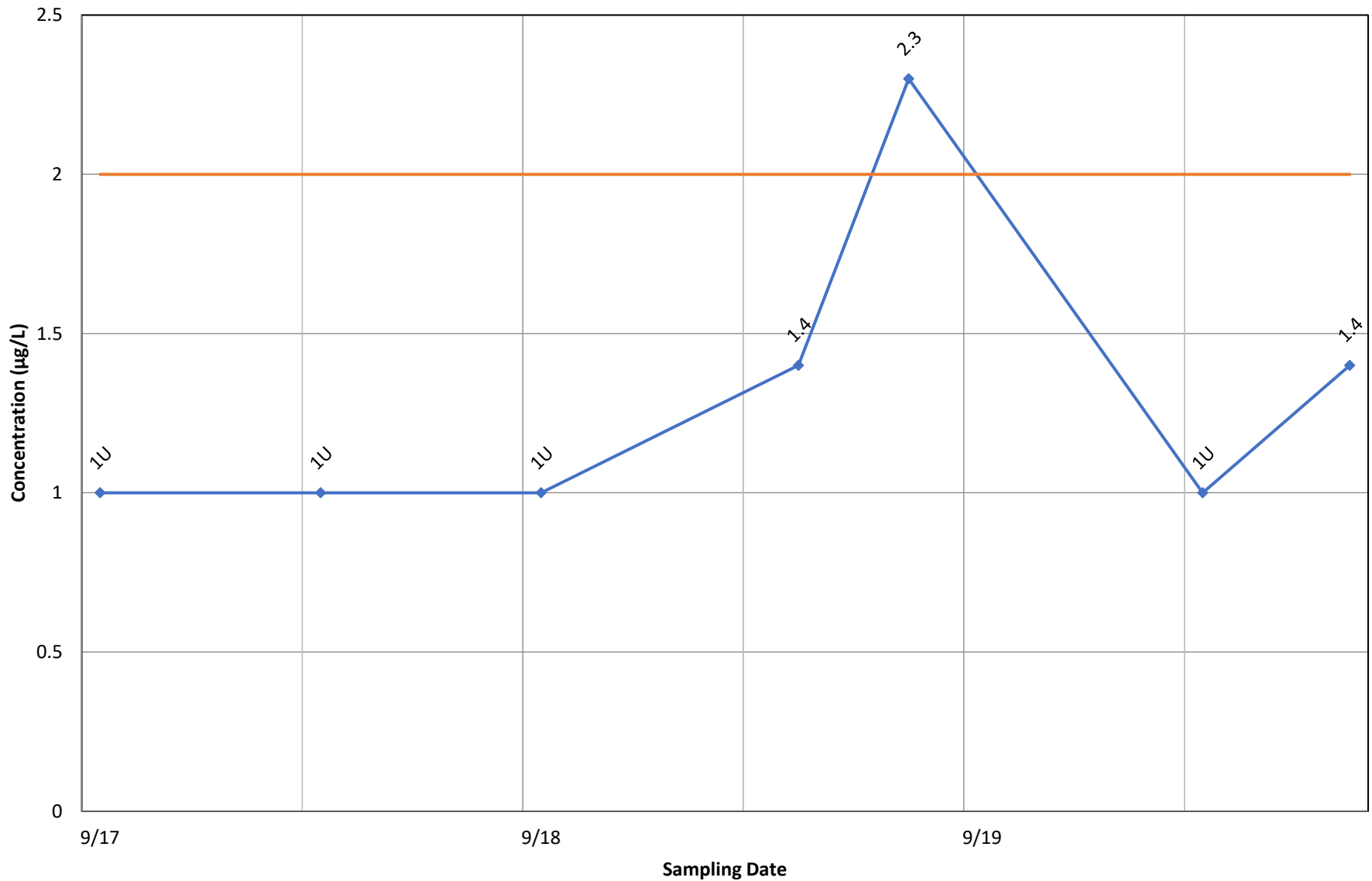
◆ Concentration    — Current MCL

### Monitoring Well MW-21A - Trichloroethene



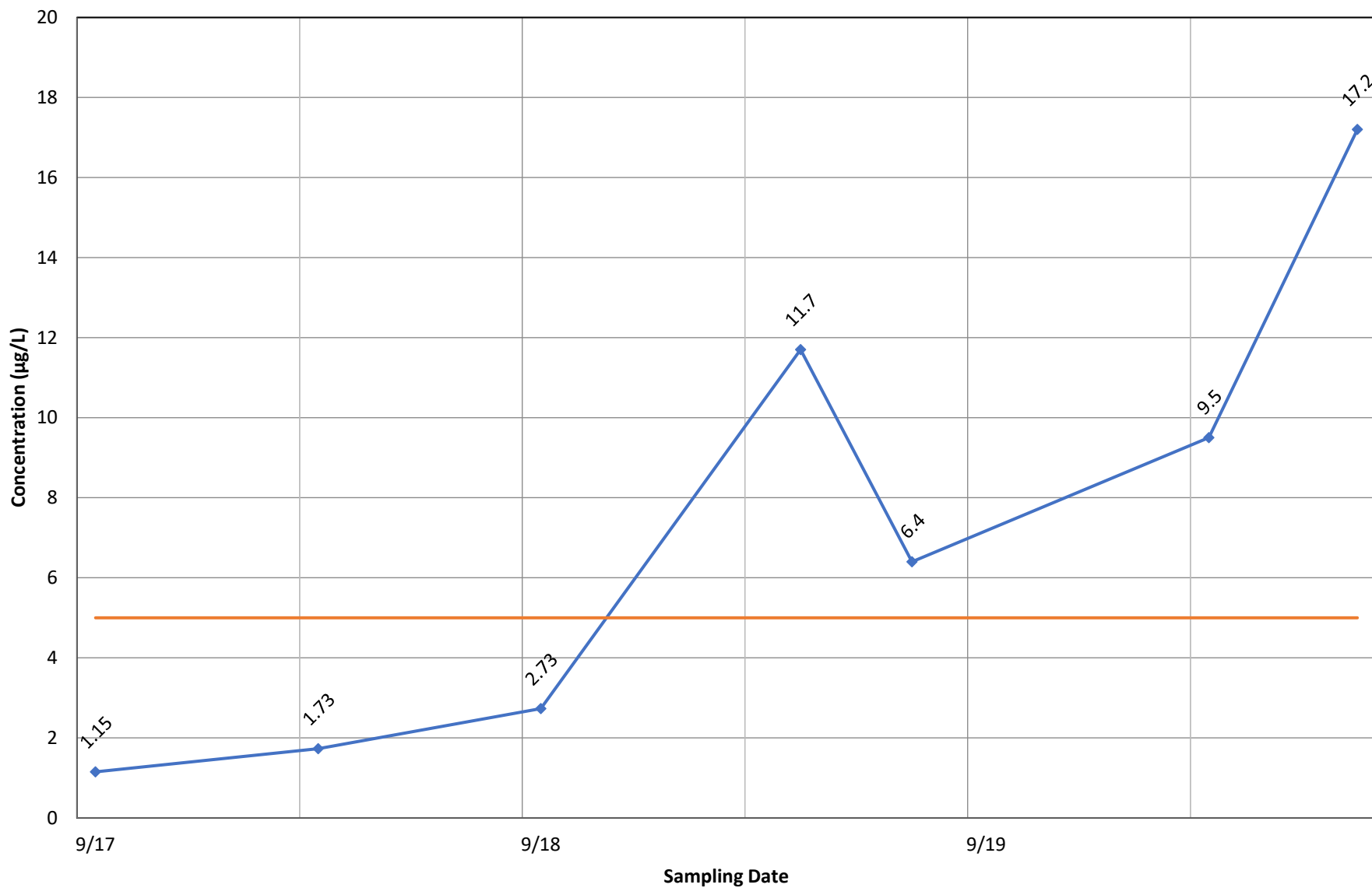
◆ Concentration    — Current MCL

### Monitoring Well MW-21A - Vinyl Chloride



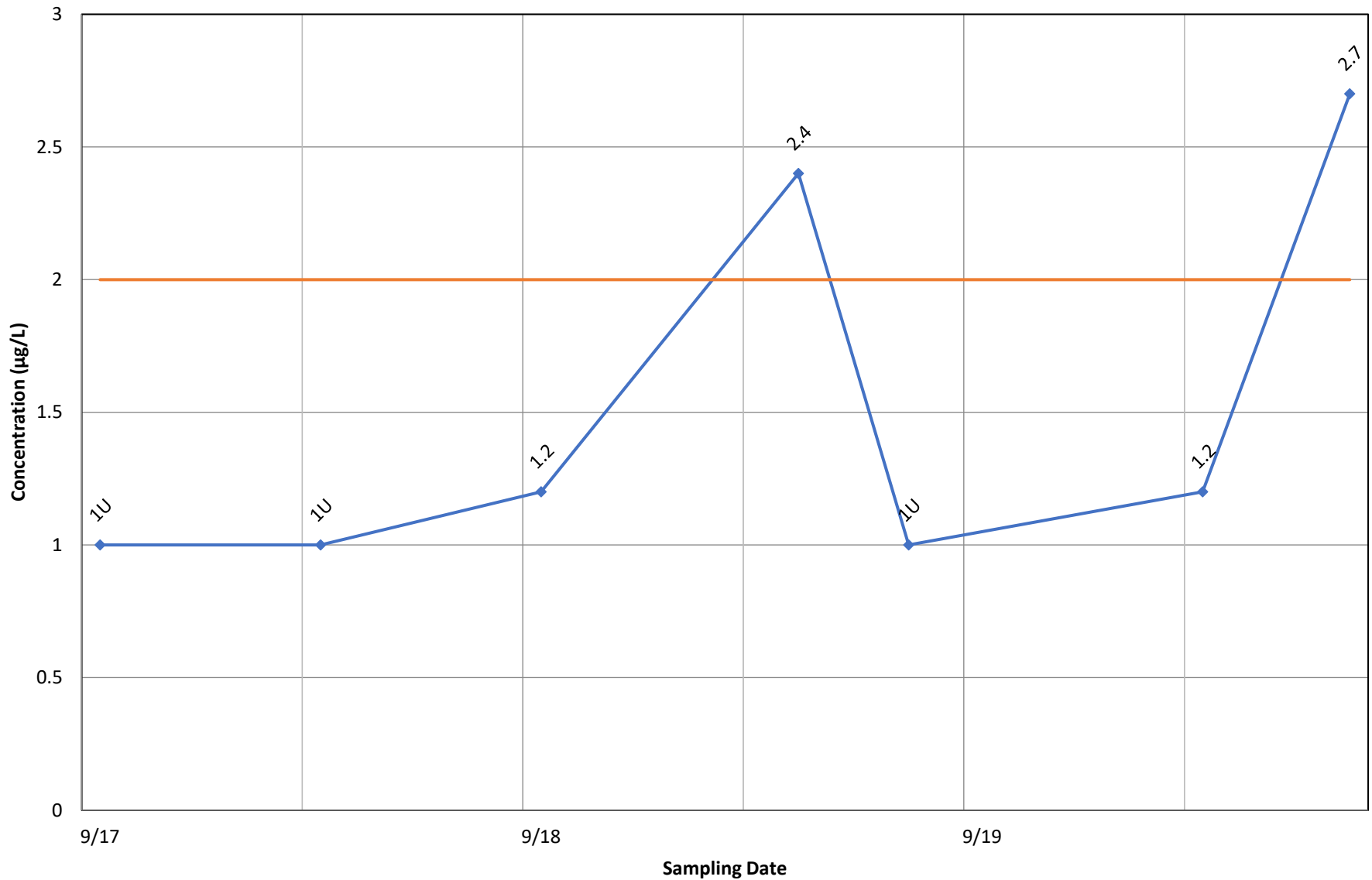
◆ Concentration    — Current MCL

### Monitoring Well MW-21B - Trichloroethene



◆ Concentration    — Current MCL

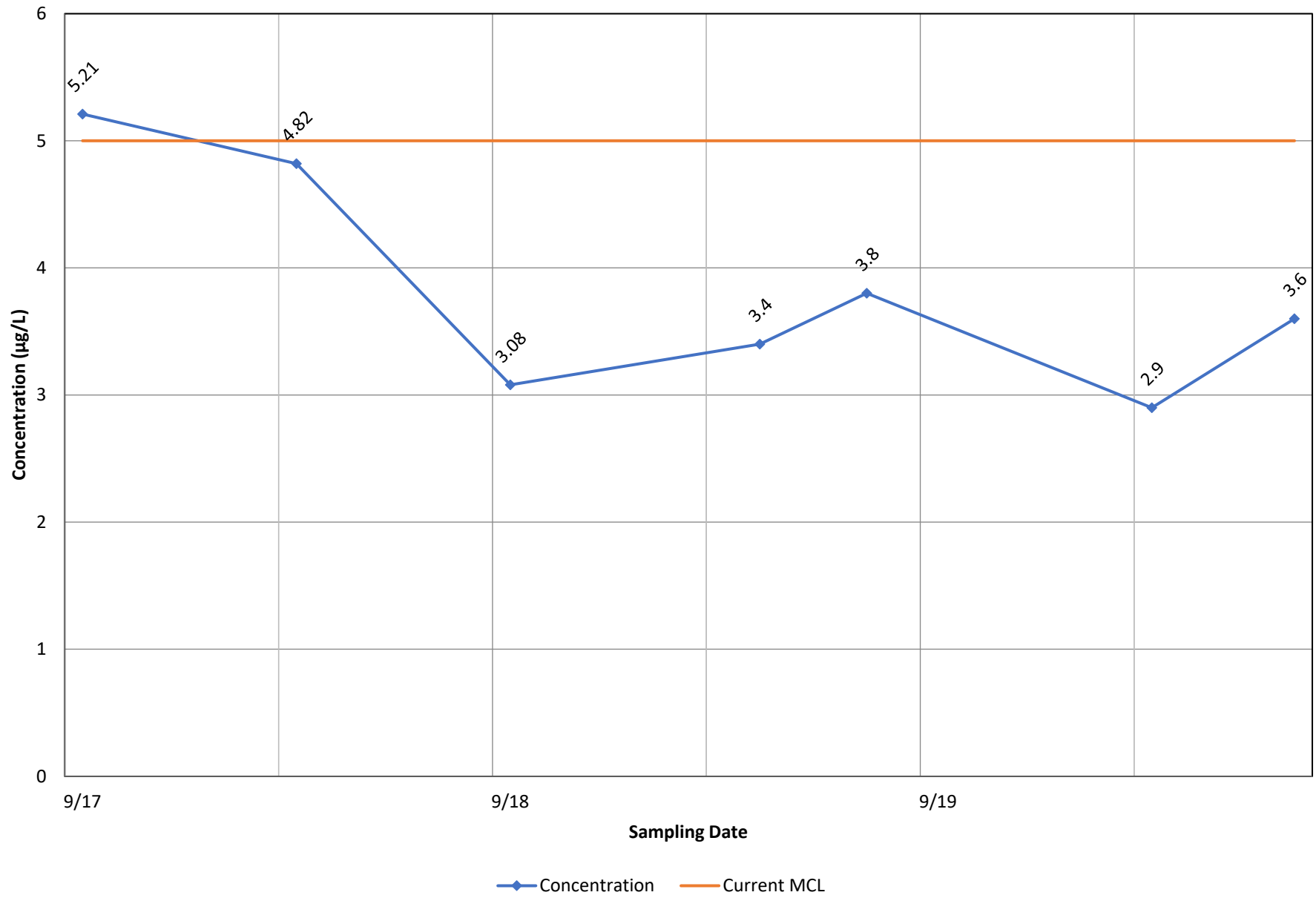
### Monitoring Well MW-21B - Vinyl Chloride



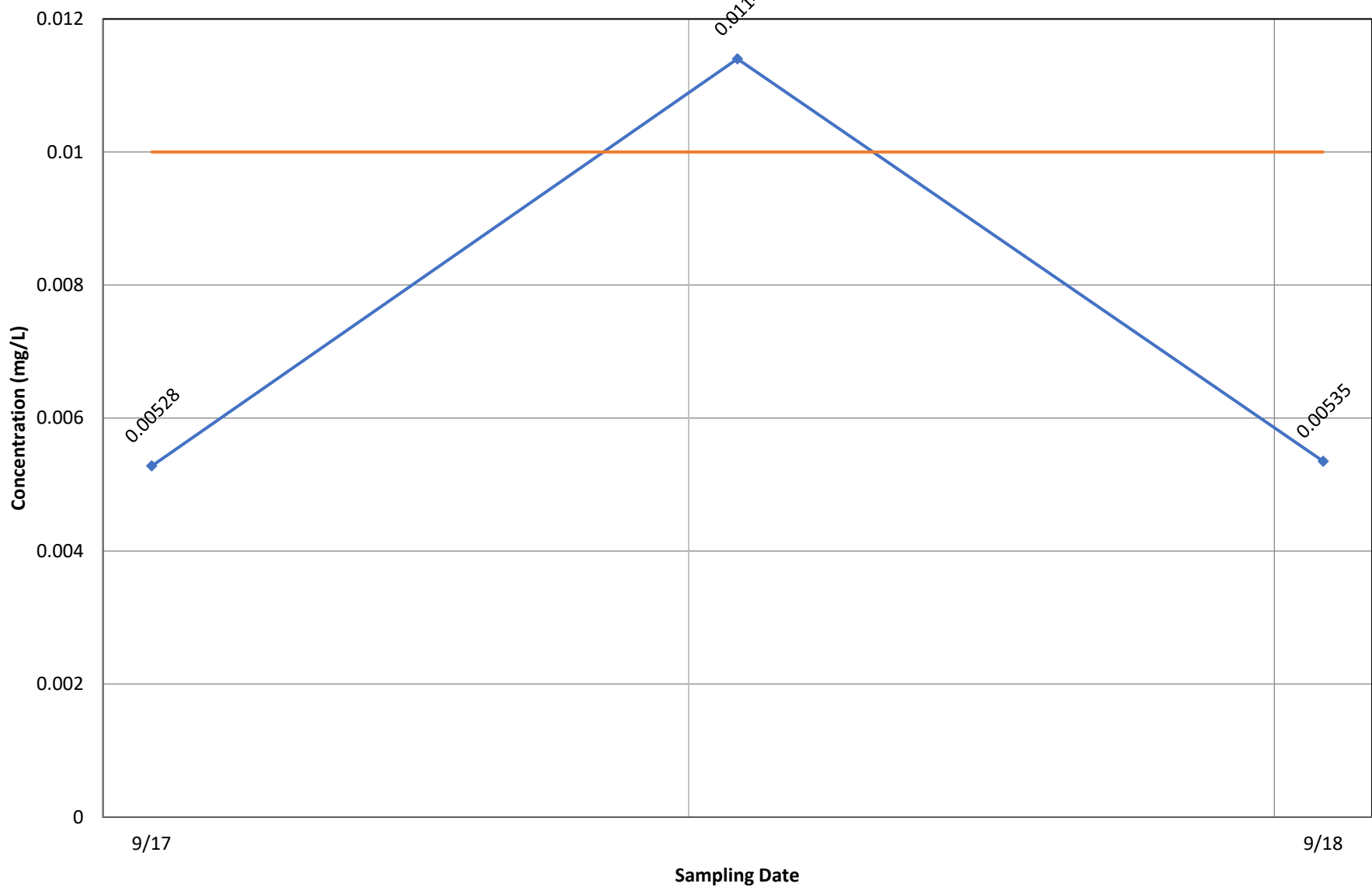
◆ Concentration    — Current MCL



### Monitoring Well MW-22A - Trichloroethene

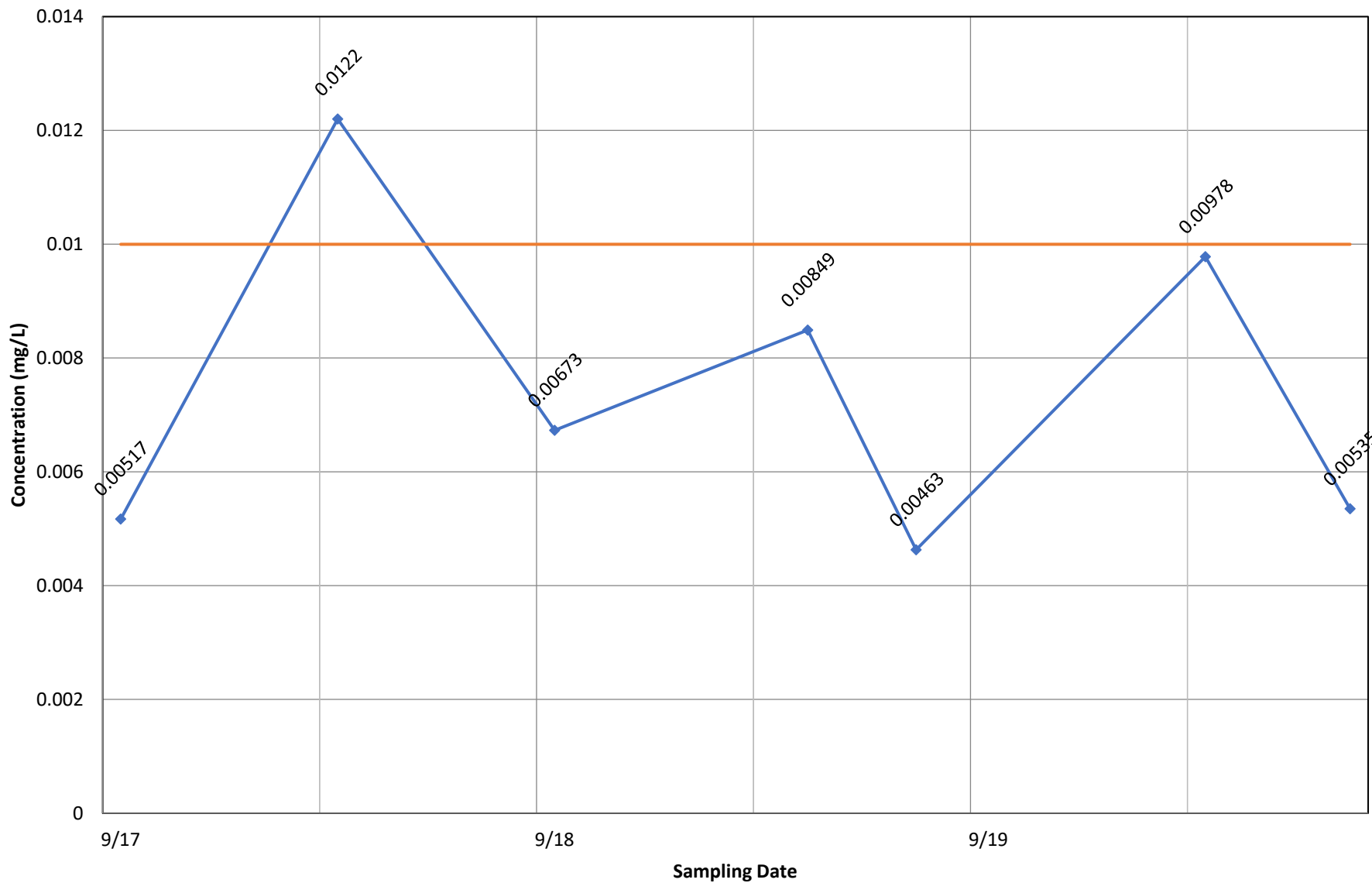


### Monitoring Well MW-22B - Arsenic, dissolved



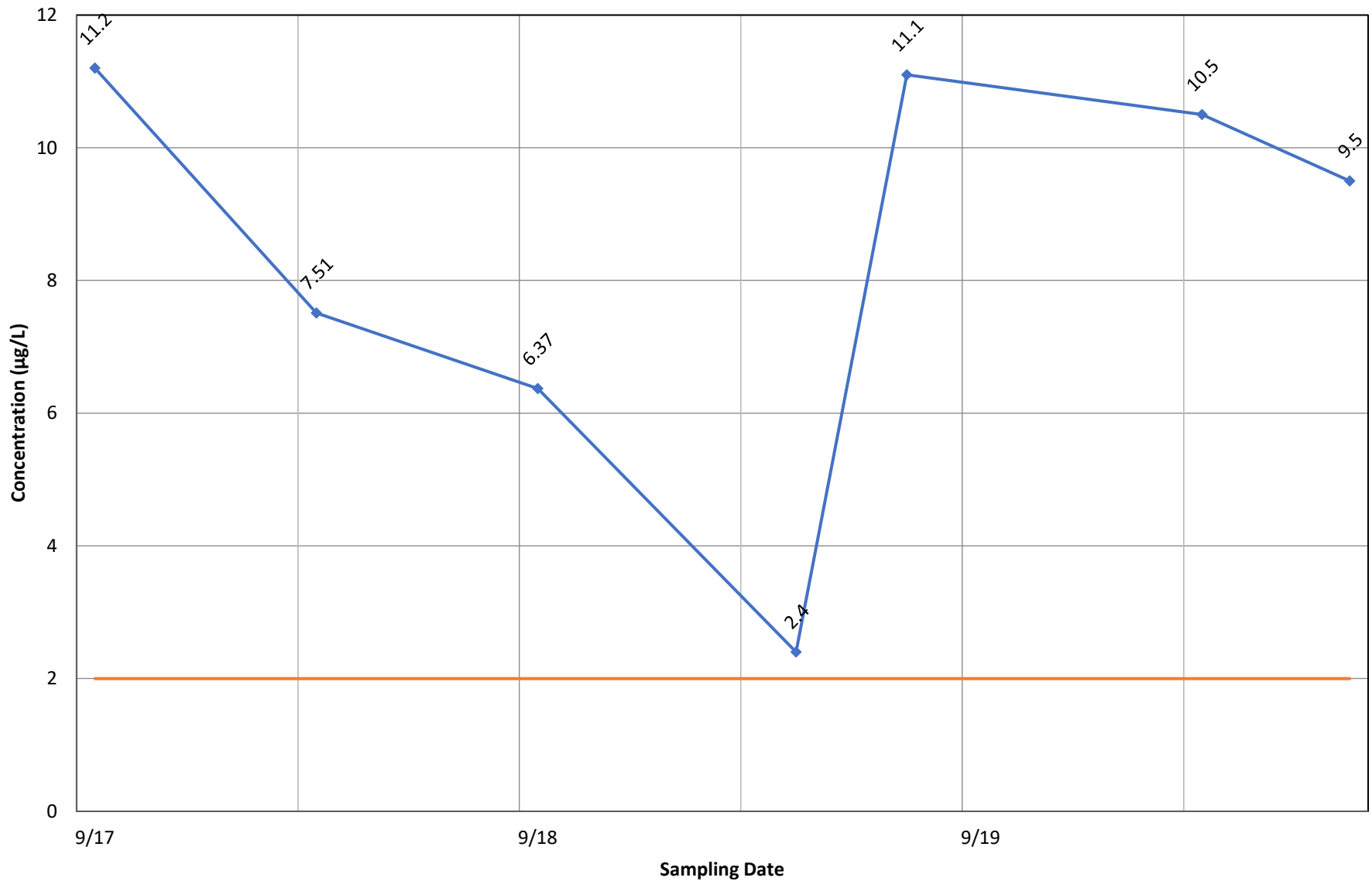
◆ Concentration    — Current MCL

### Monitoring Well MW-22B - Arsenic, total



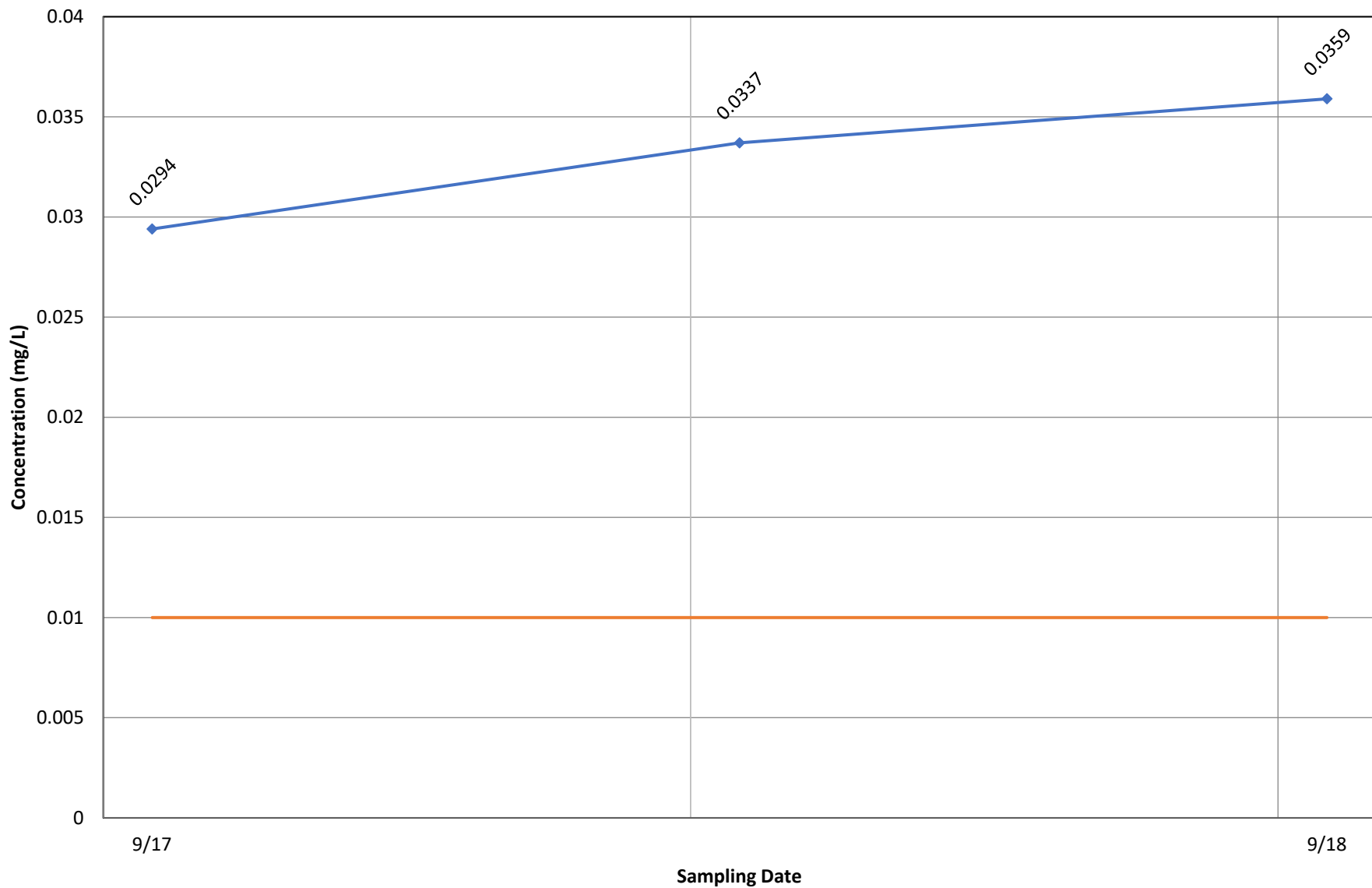
◆ Concentration    — Current MCL

### Monitoring Well MW-24A - Vinyl Chloride



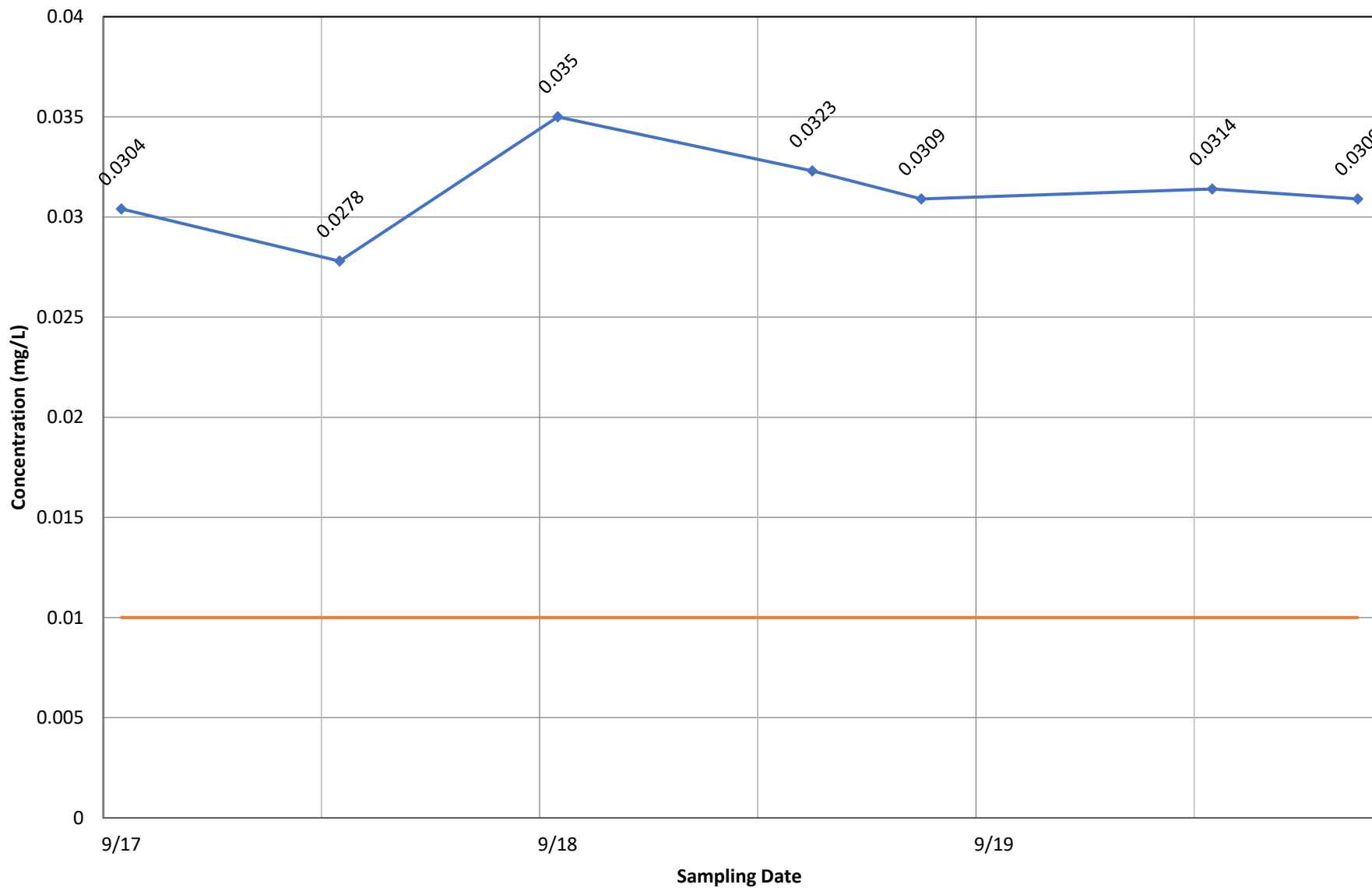
◆ Concentration    — Current MCL

### Monitoring Well MW-24B - Arsenic, dissolved



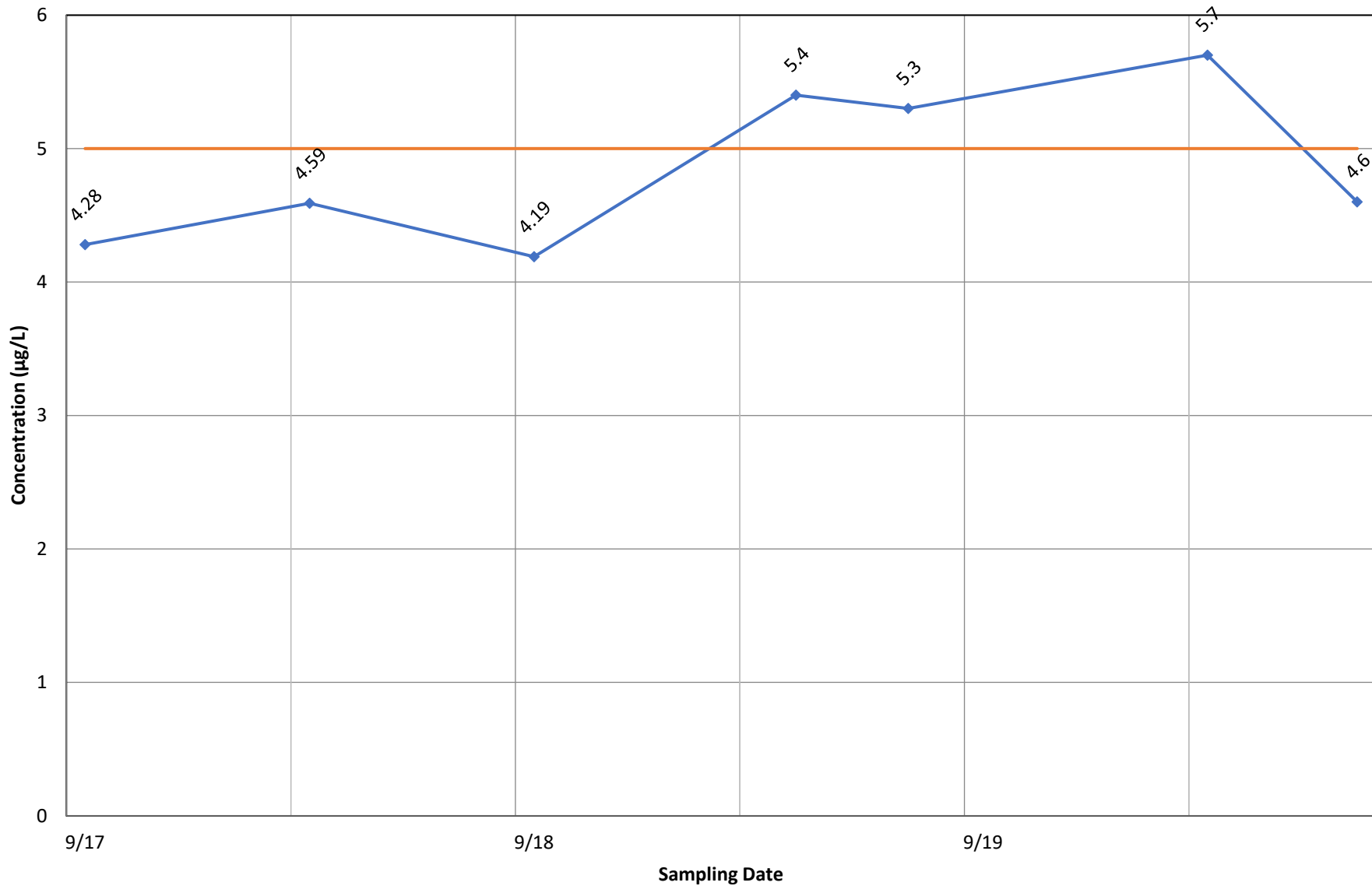
◆ Concentration    — Current MCL

### Monitoring Well MW-24B - Arsenic, total



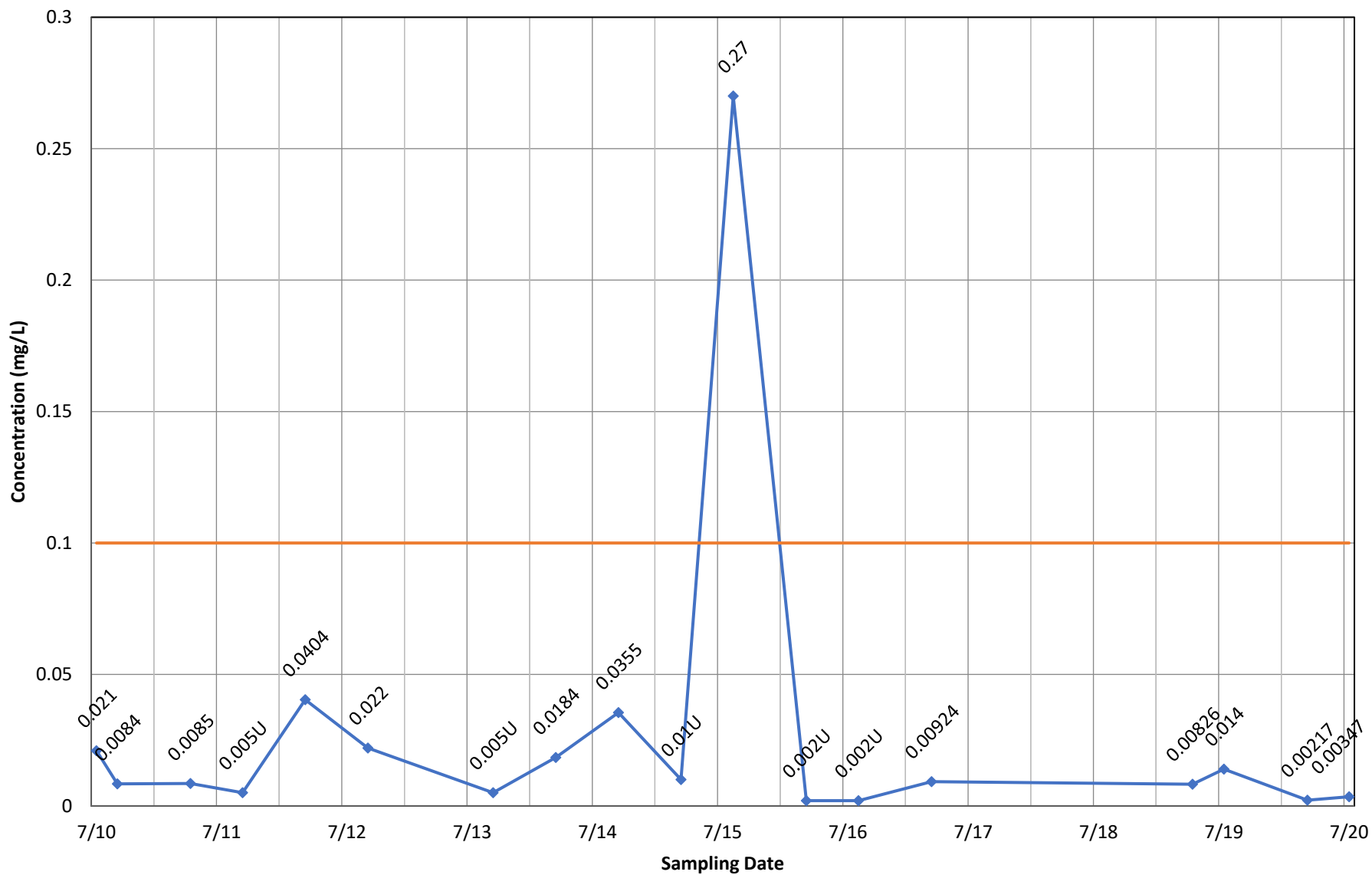
◆ Concentration    — Current MCL

### Monitoring Well MW-24B - Benzene



◆ Concentration    — Current MCL

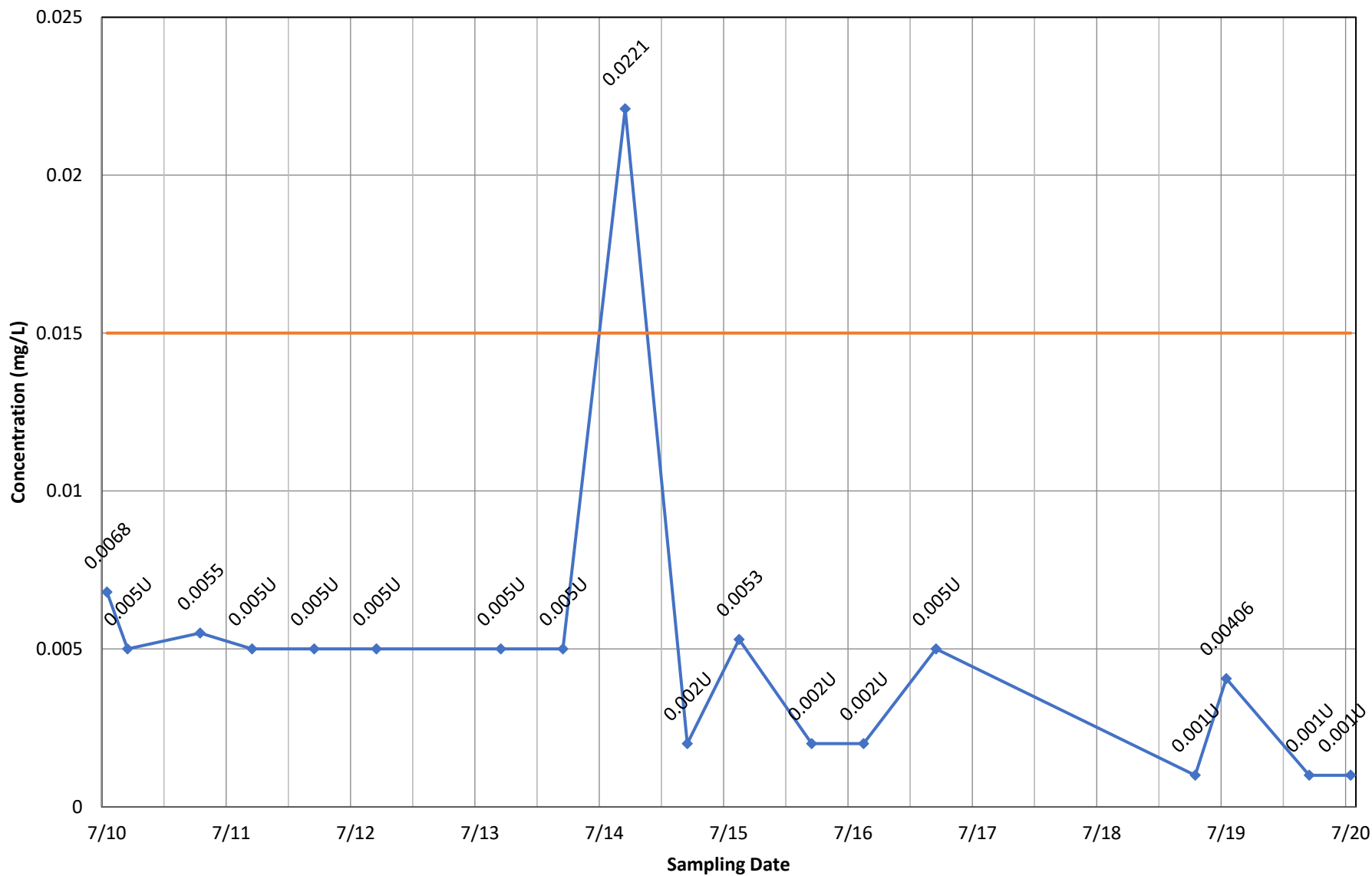
### Monitoring Well MW-2A - Chromium, total



◆ Concentration    — Current MCL

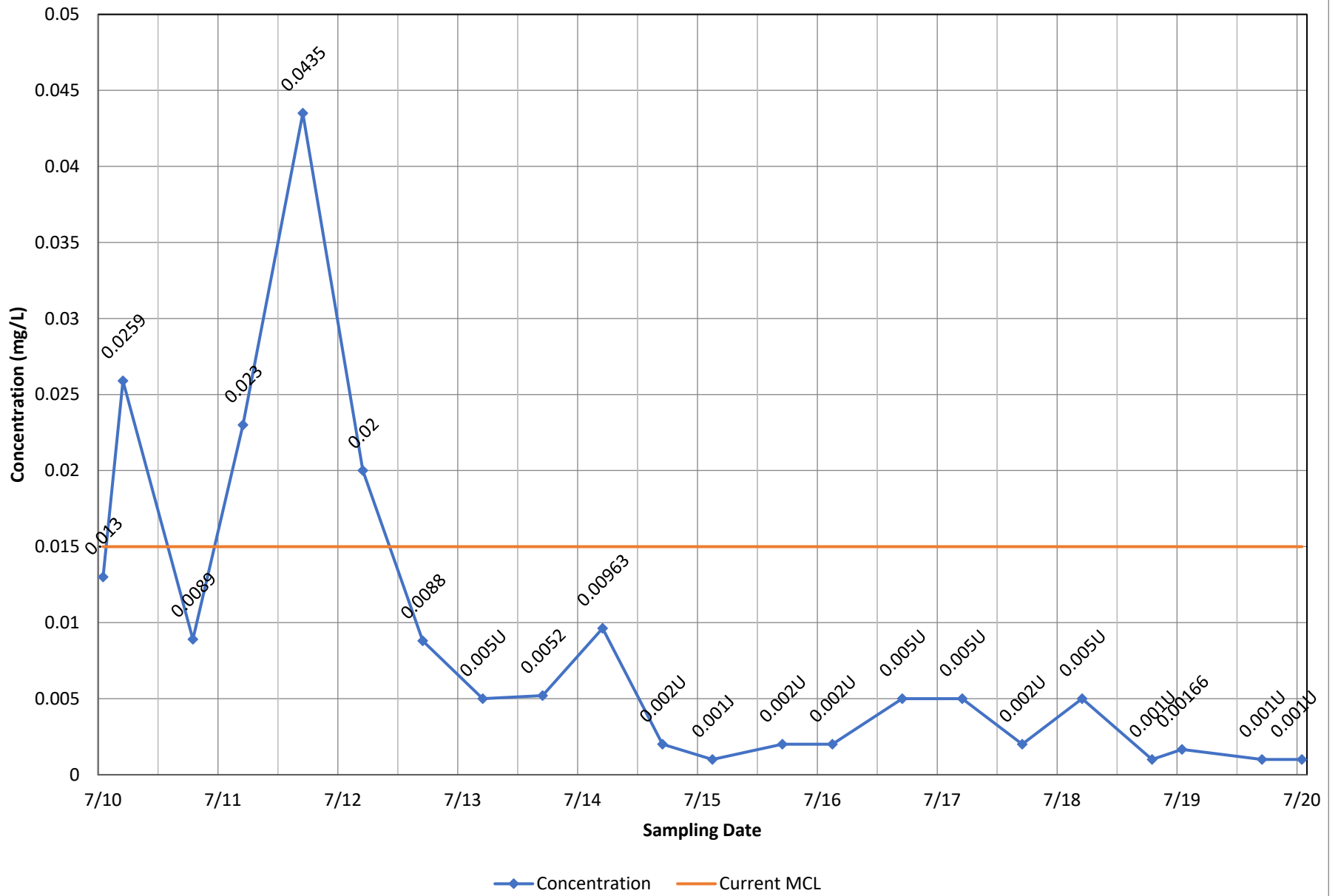


### Monitoring Well MW-2A - Lead, total

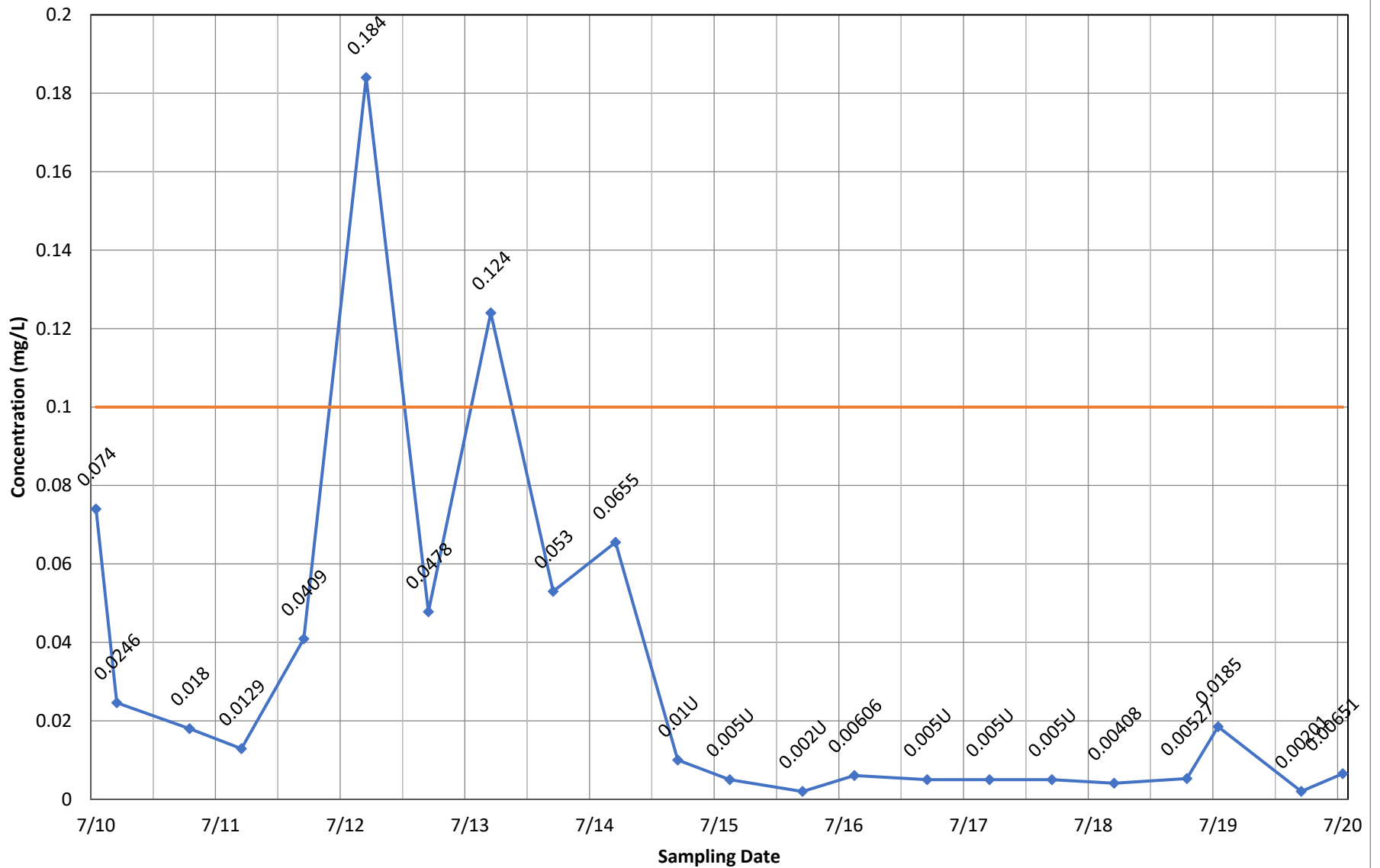


◆ Concentration    — Current MCL

### Monitoring Well MW-3A - Lead, total

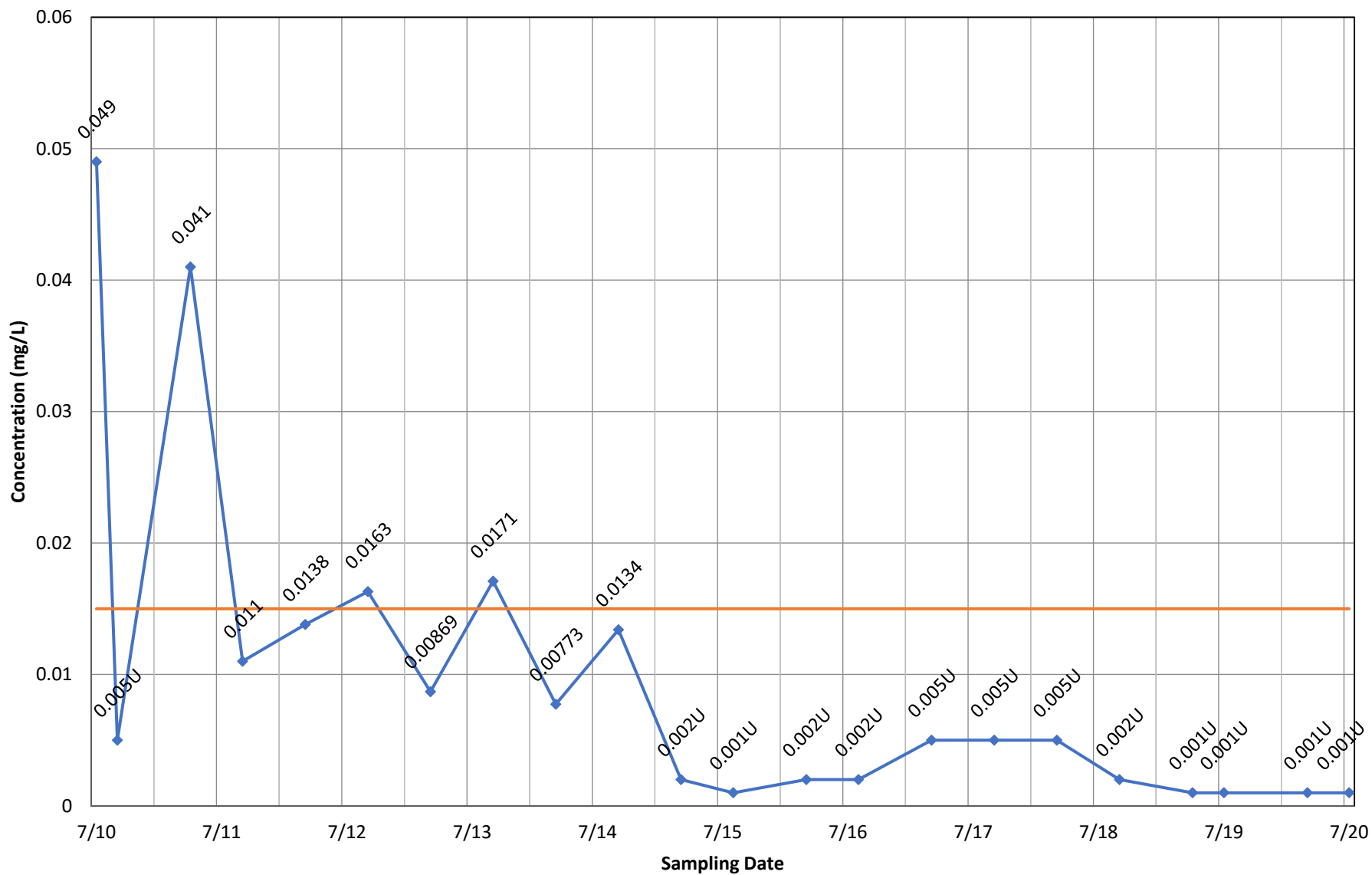


### Monitoring Well MW-3B - Chromium, total



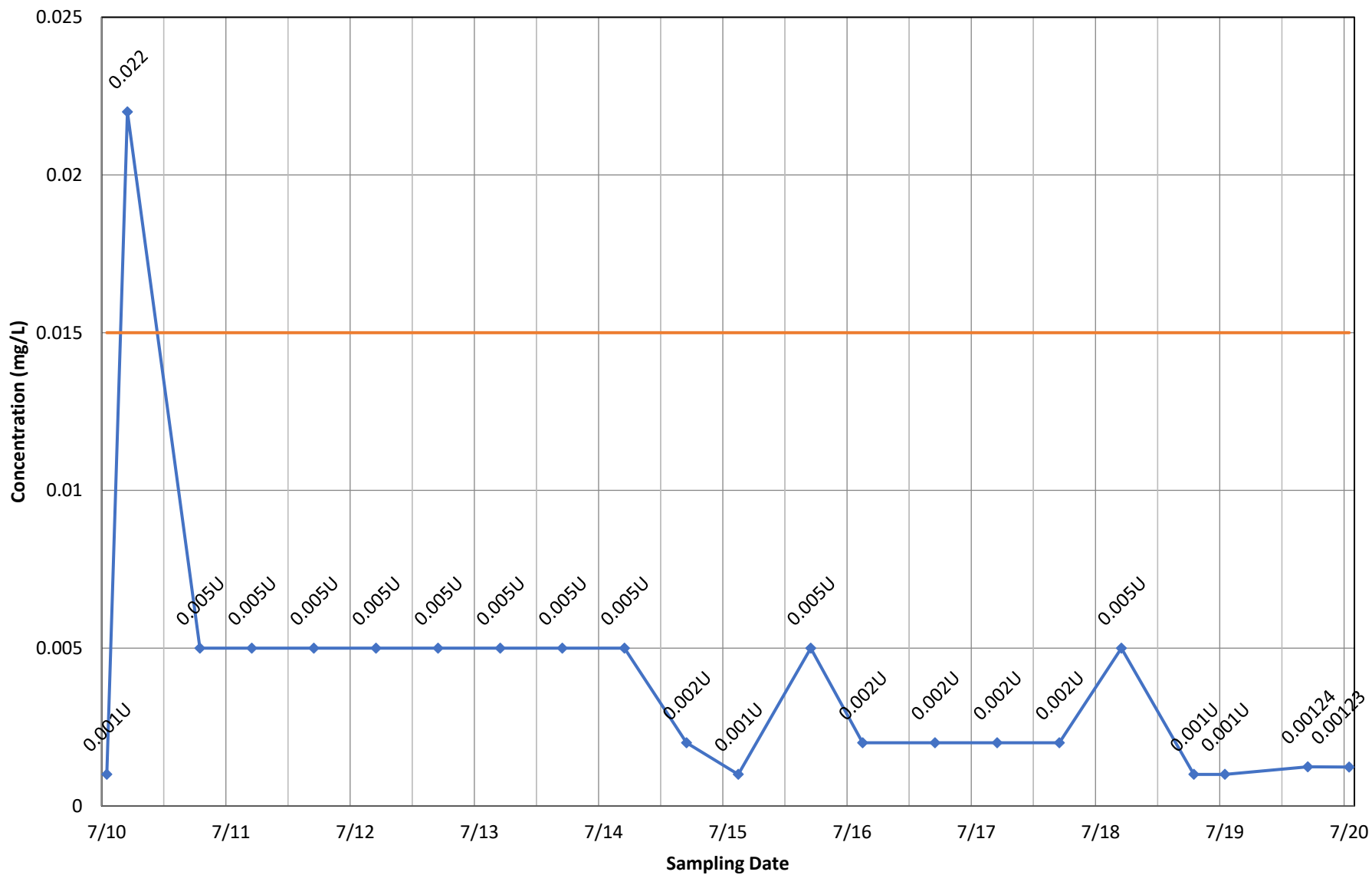
◆ Concentration    — Current MCL

### Monitoring Well MW-3B - Lead, total



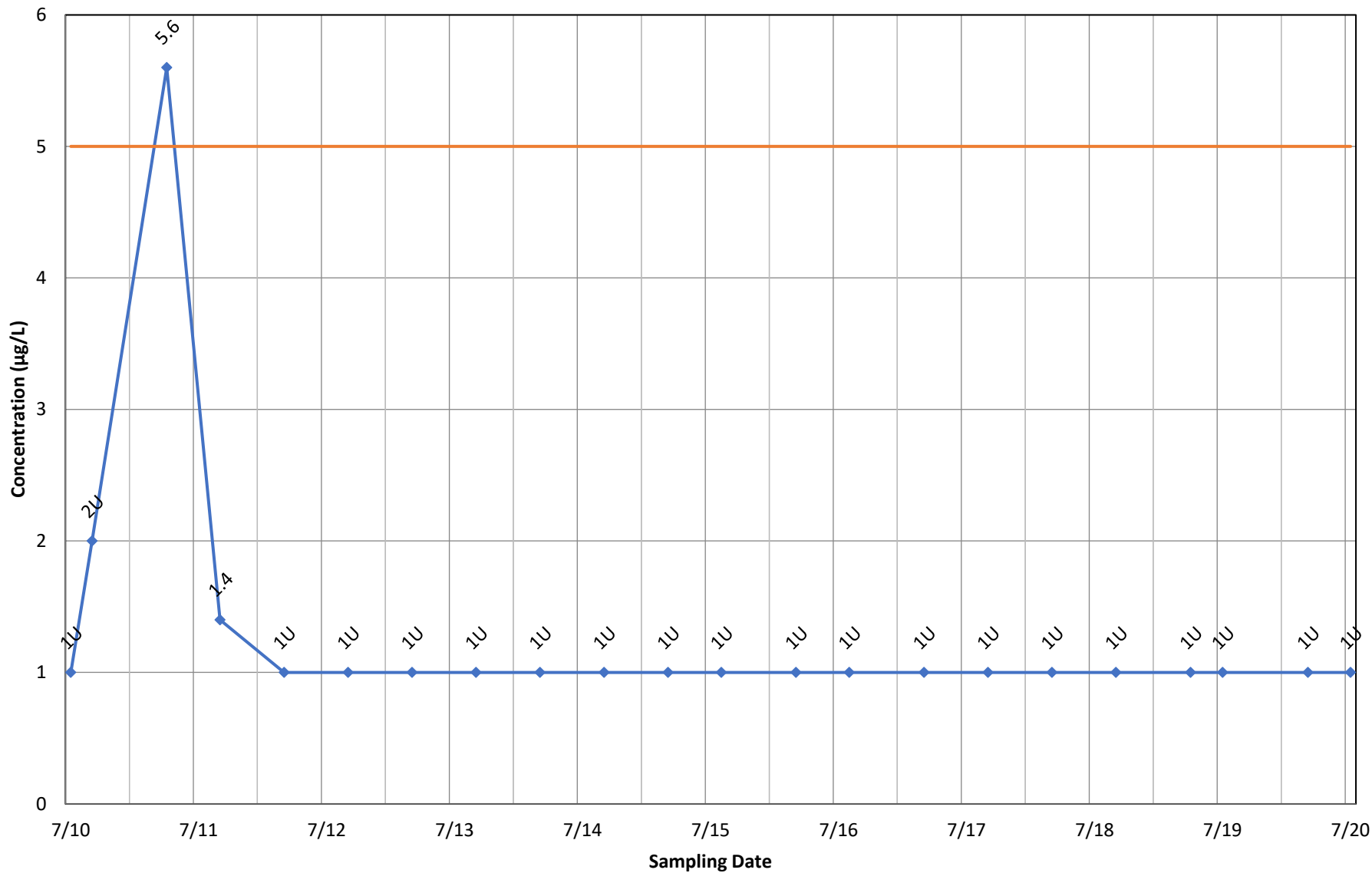
◆ Concentration    — Current MCL

### Monitoring Well MW-4 - Lead, total



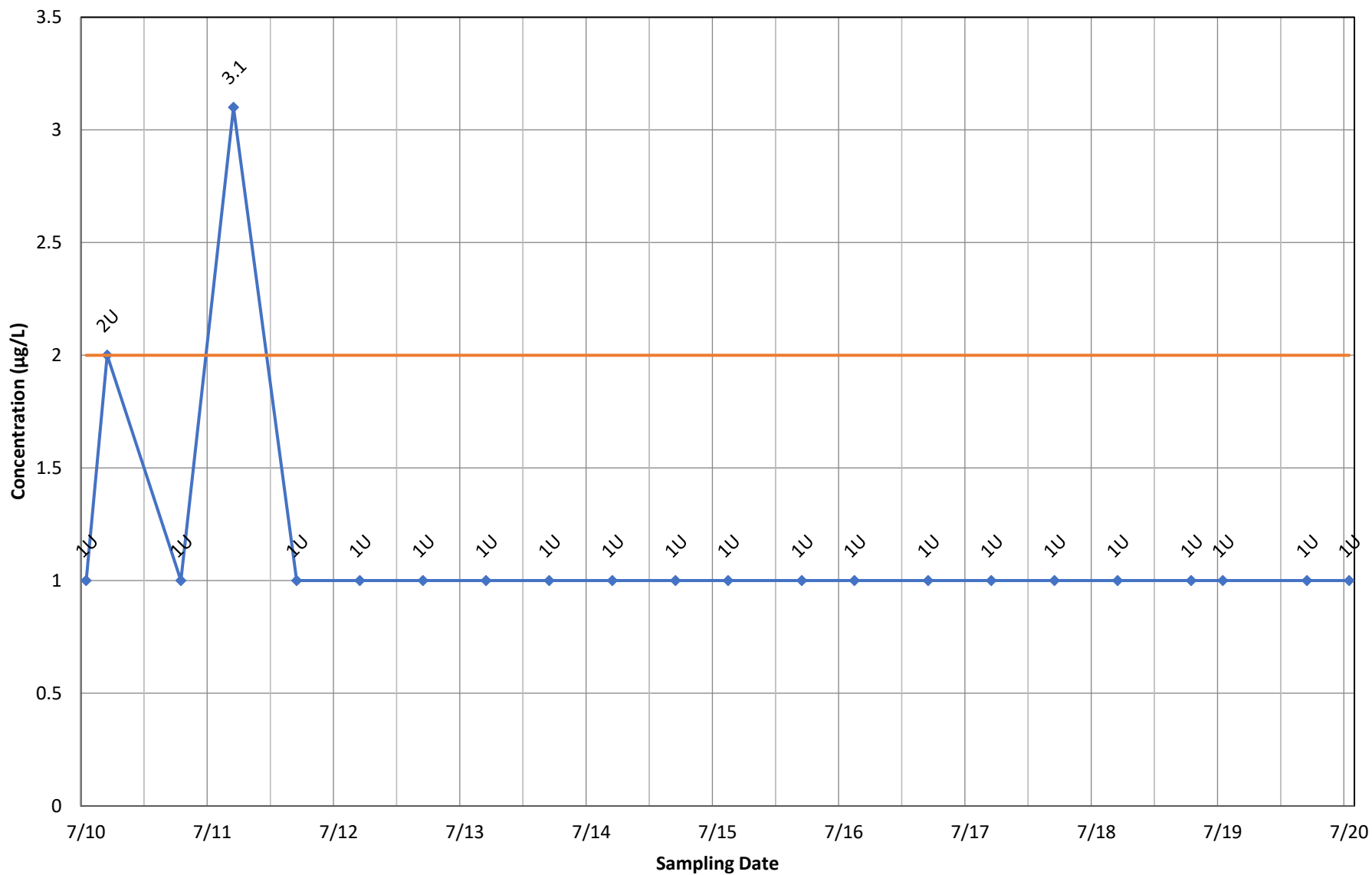
◆ Concentration    — Current MCL

### Monitoring Well MW-4 - Trichloroethene



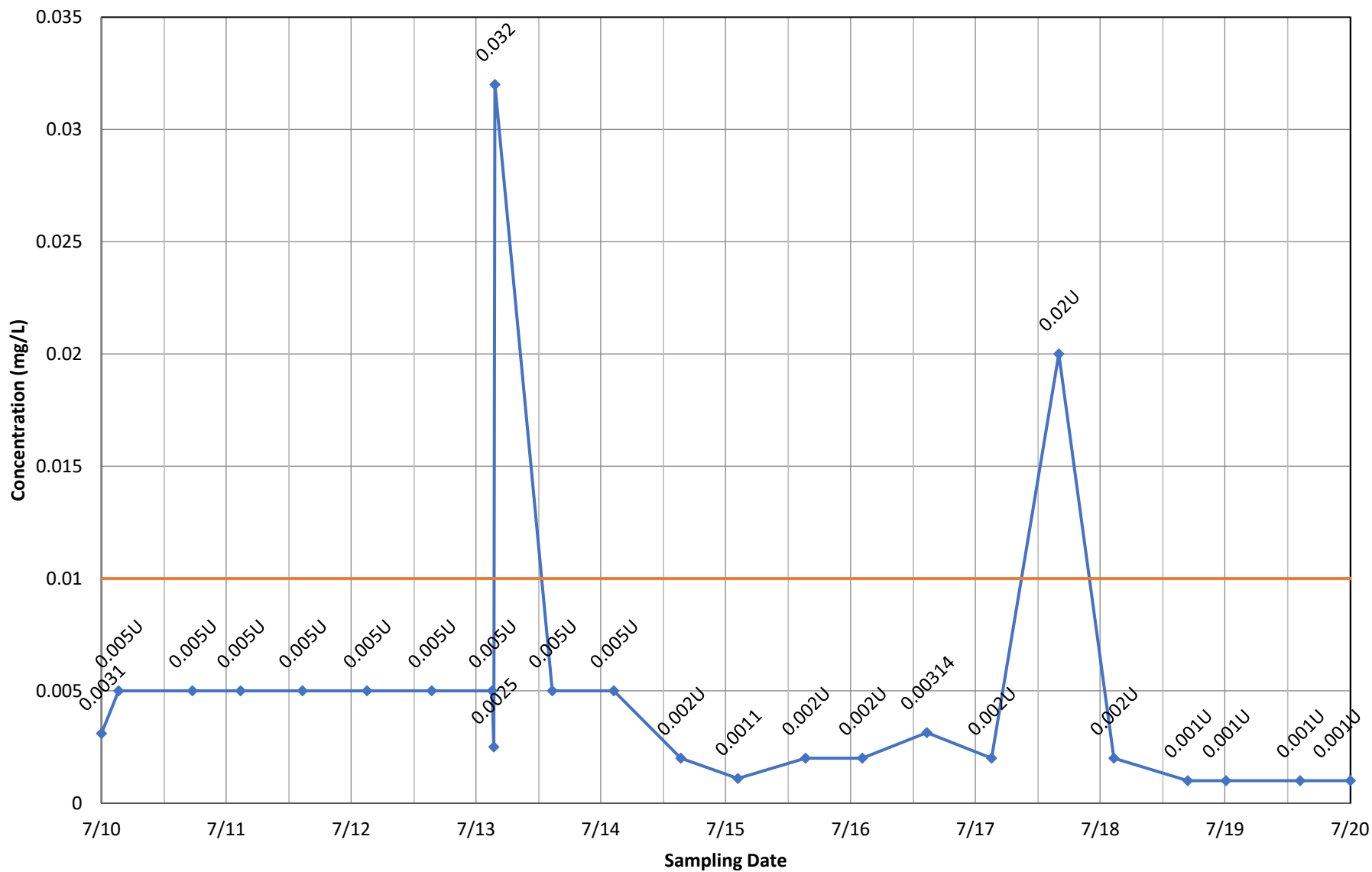
◆ Concentration    — Current MCL

### Monitoring Well MW-4 - Vinyl Chloride



◆ Concentration    — Current MCL

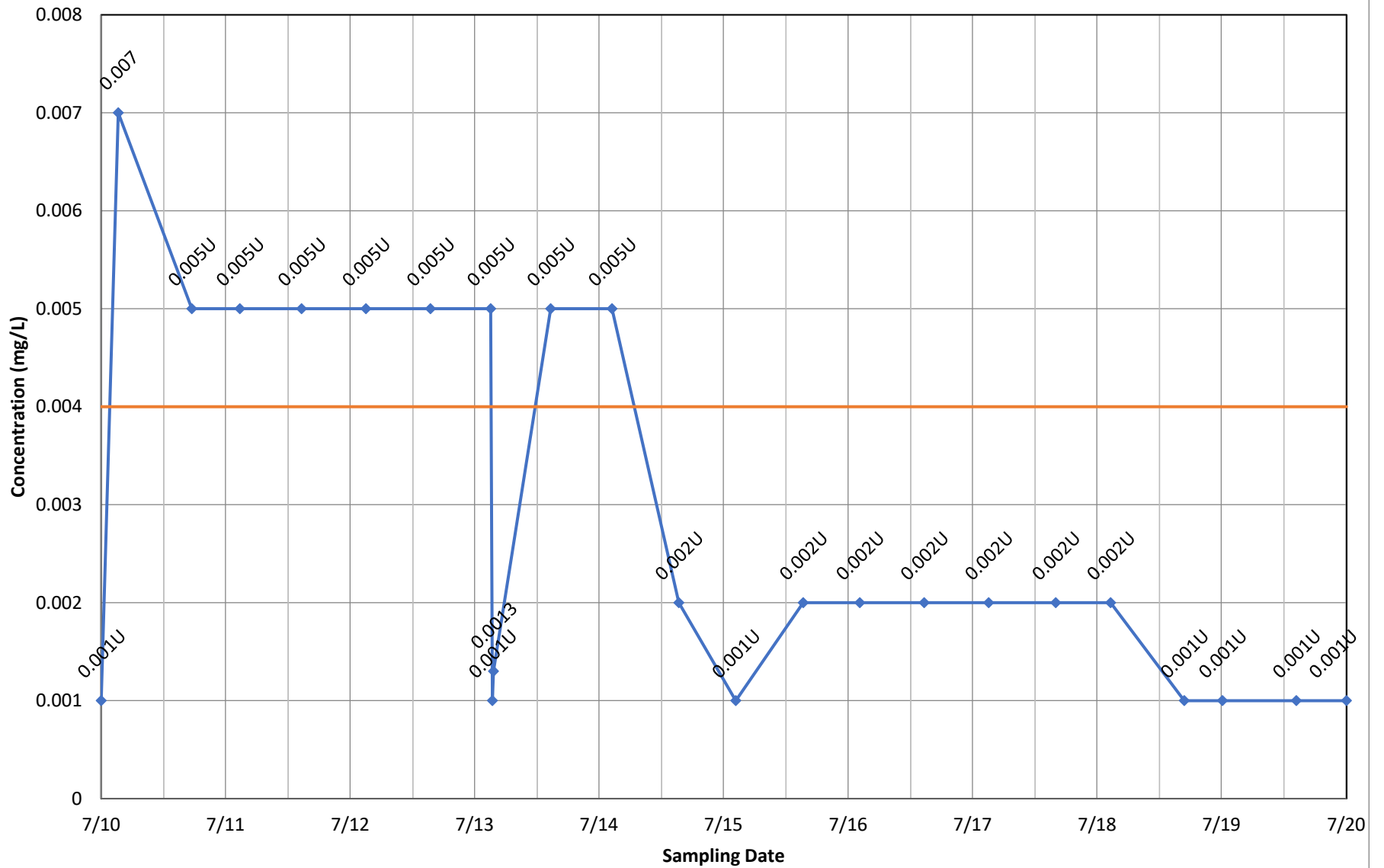
### Monitoring Well MW-6 - Arsenic, total



◆ Concentration    — Current MCL

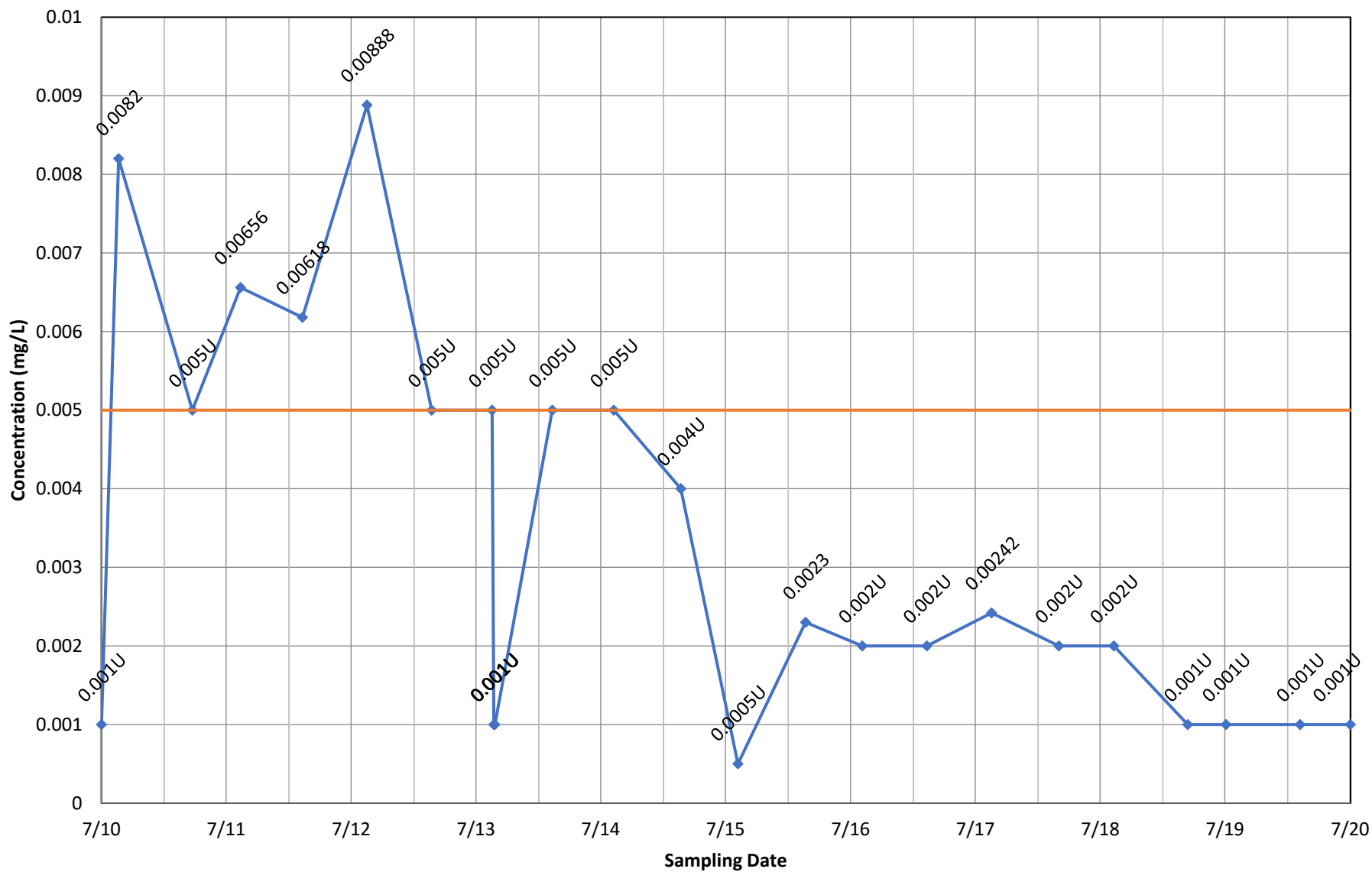


### Monitoring Well MW-6 - Beryllium, total



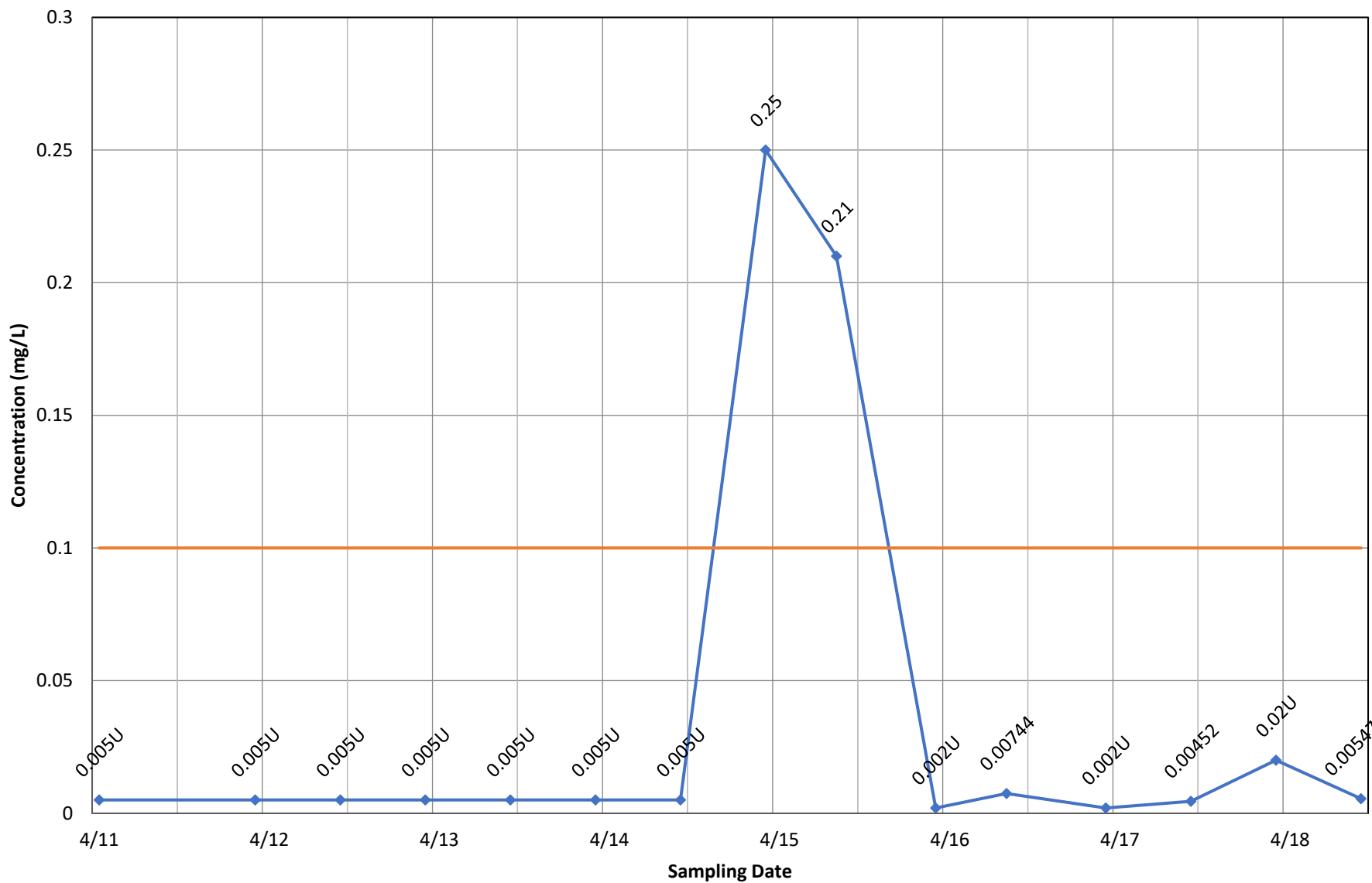
◆ Concentration    — Current MCL

### Monitoring Well MW-6 - Cadmium, total



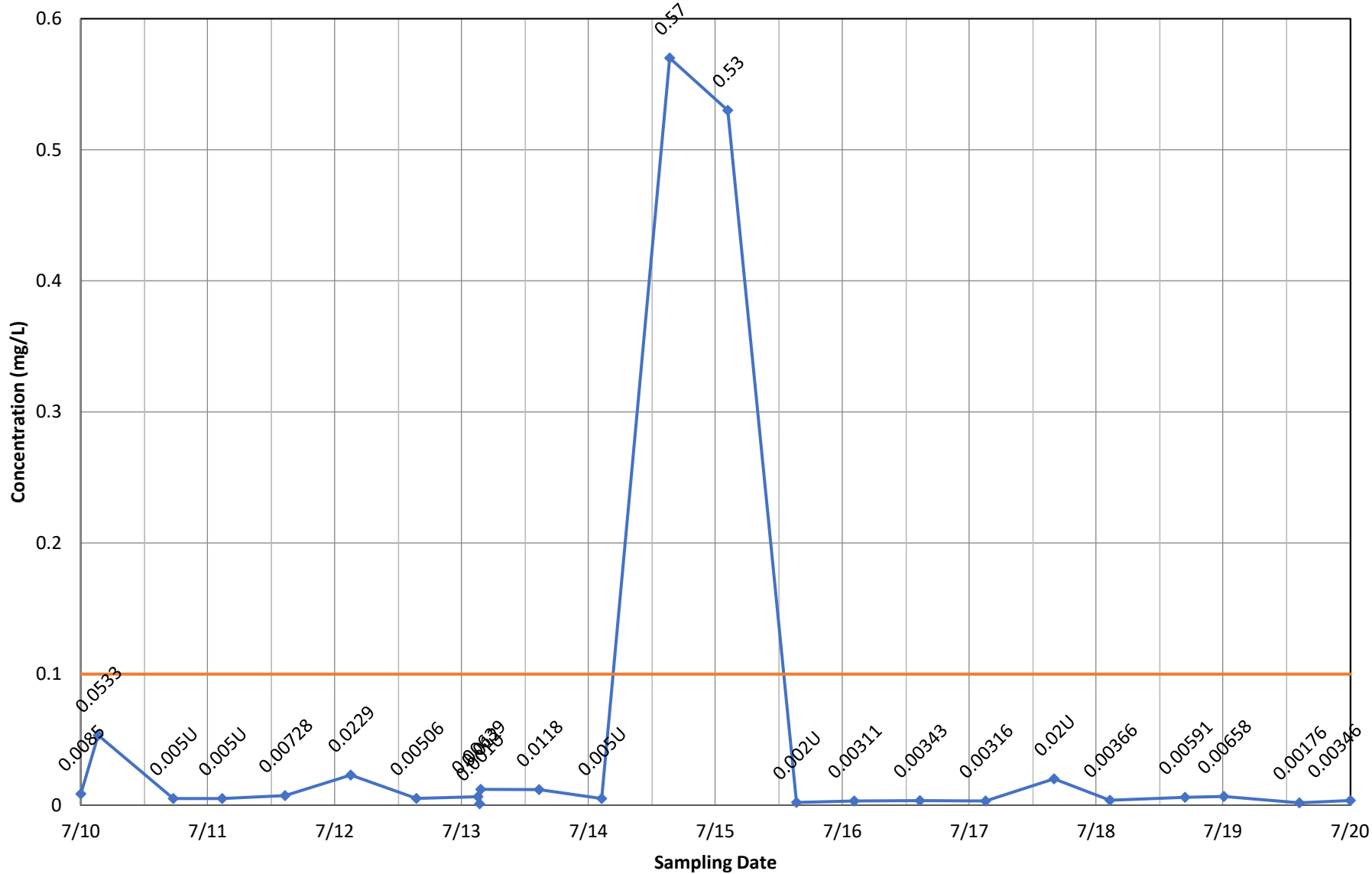
◆ Concentration    — Current MCL

### Monitoring Well MW-6 - Chromium, dissolved



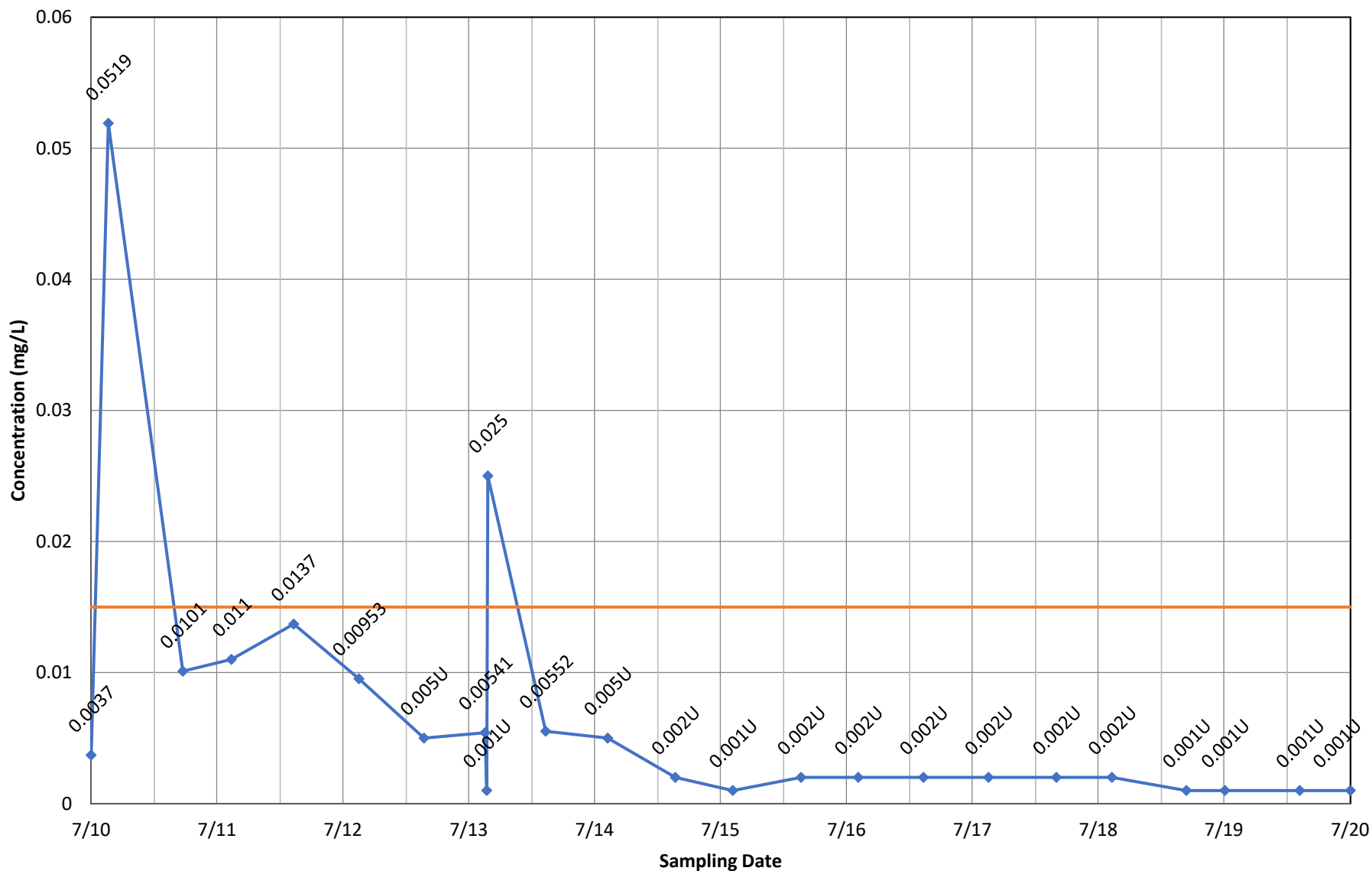
◆ Concentration    — Current MCL

### Monitoring Well MW-6 - Chromium, total



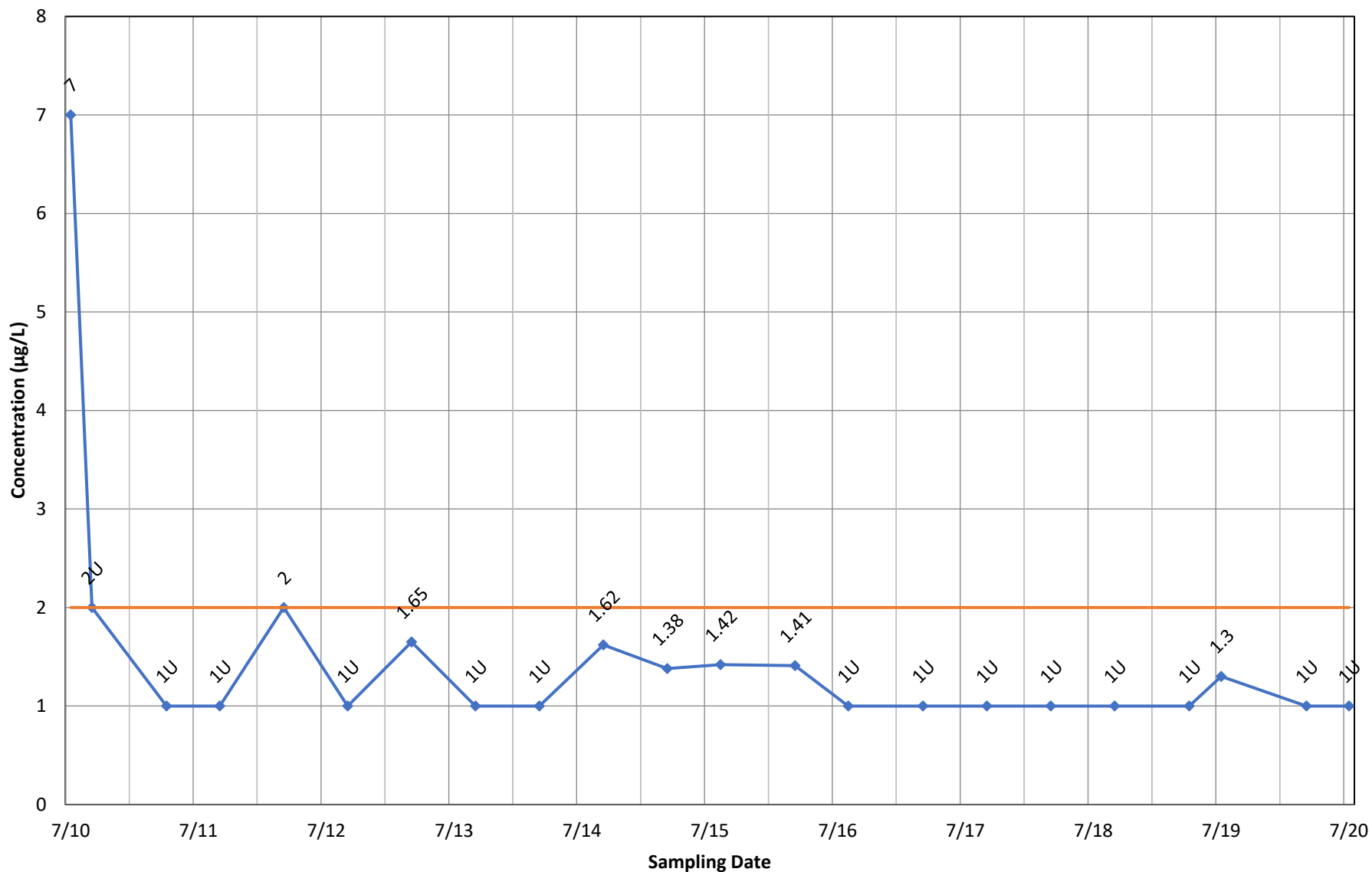
◆ Concentration    — Current MCL

### Monitoring Well MW-6 - Lead, total



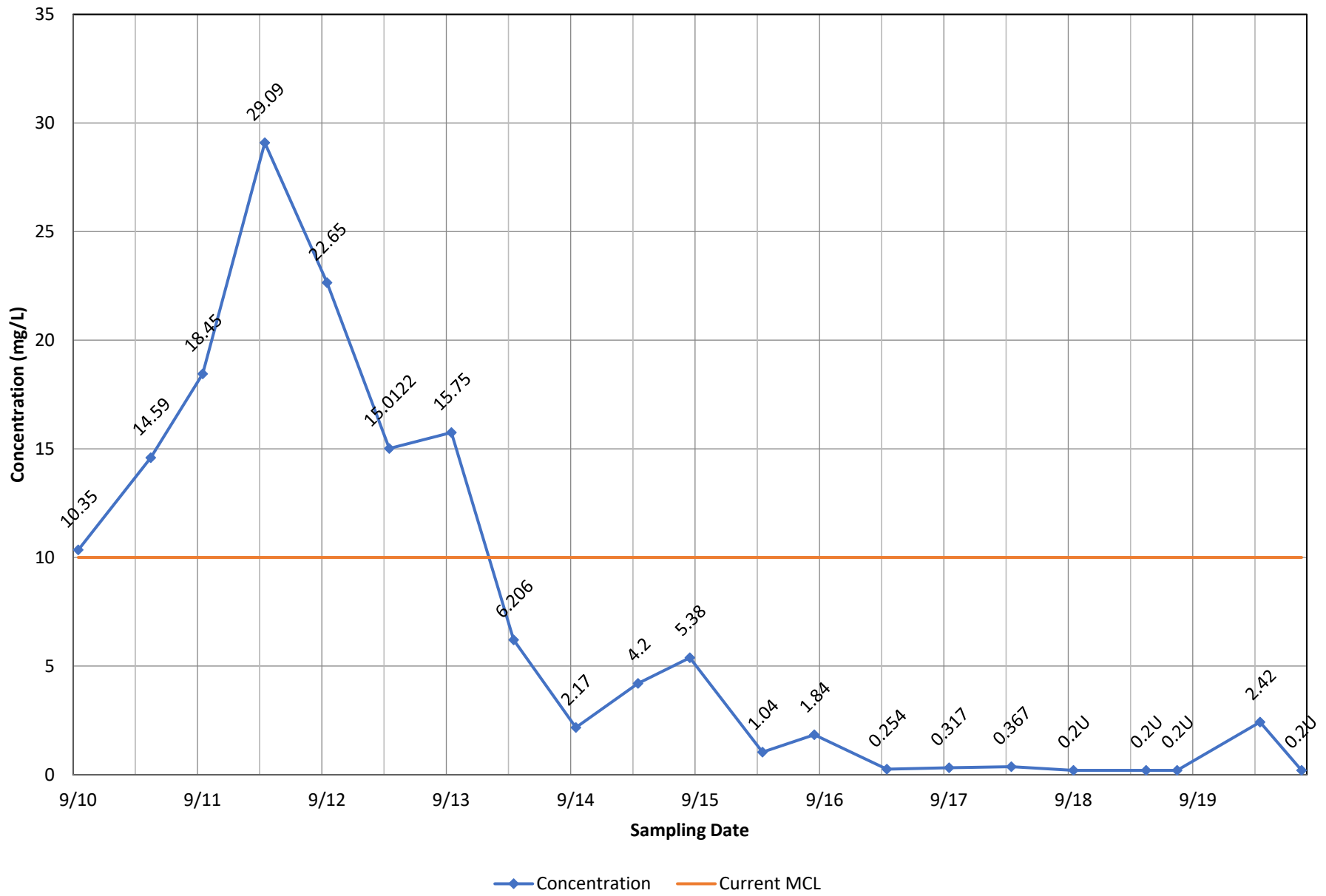
◆ Concentration    — Current MCL

# Monitoring Well MW-6 - Vinyl Chloride

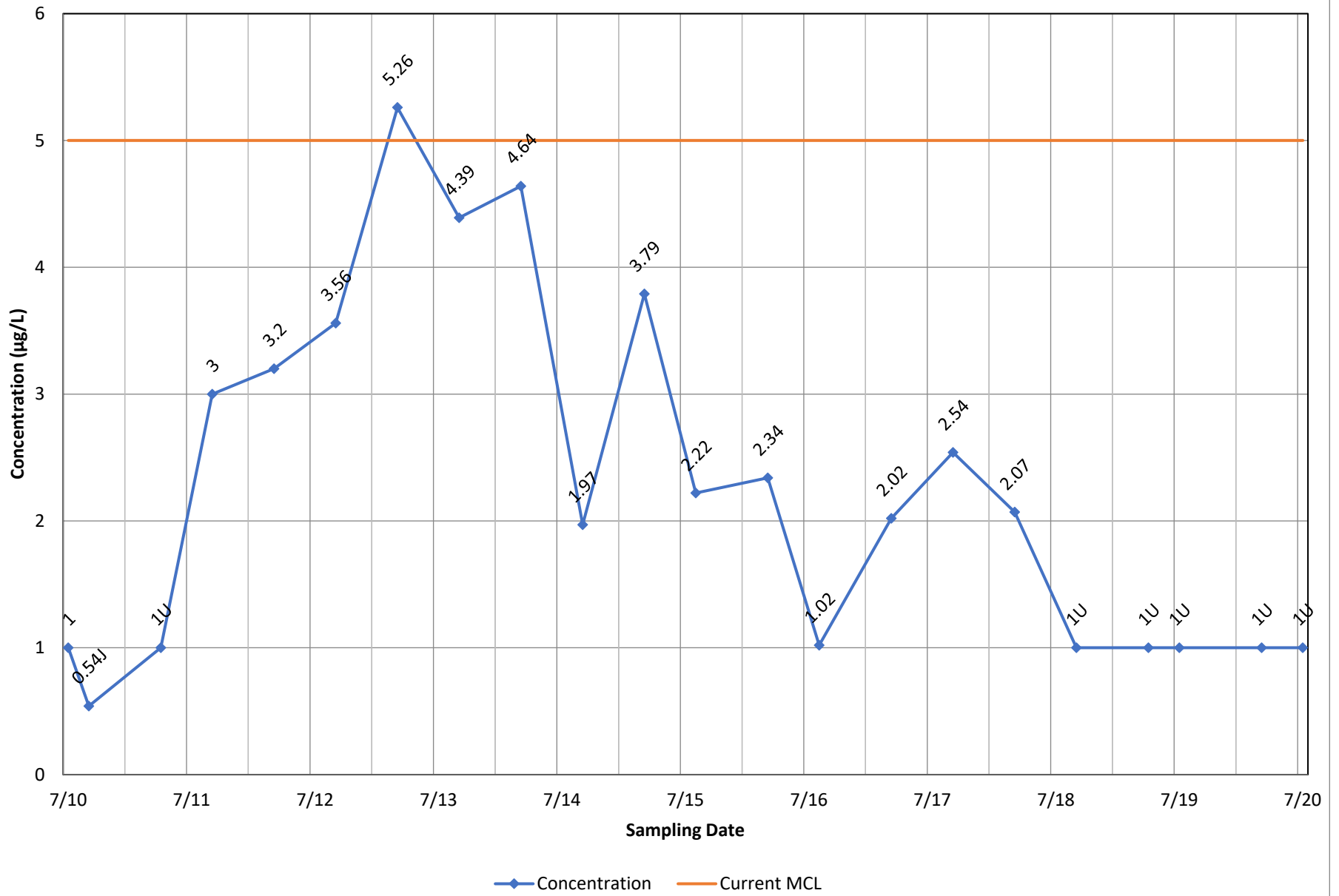


◆ Concentration    — Current MCL

# Monitoring Well MW-7 - Nitrate

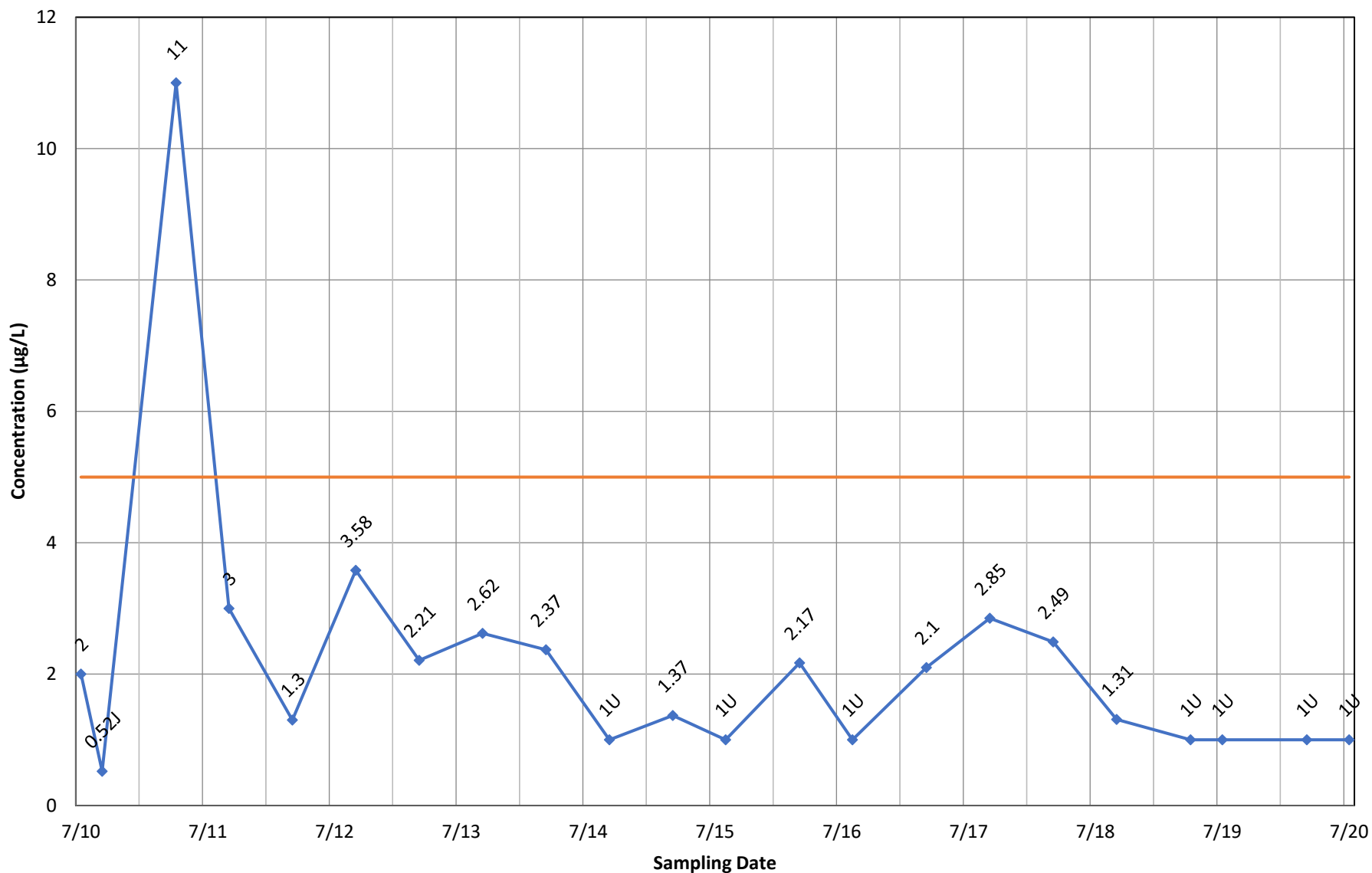


### Monitoring Well MW-7 - Tetrachloroethene



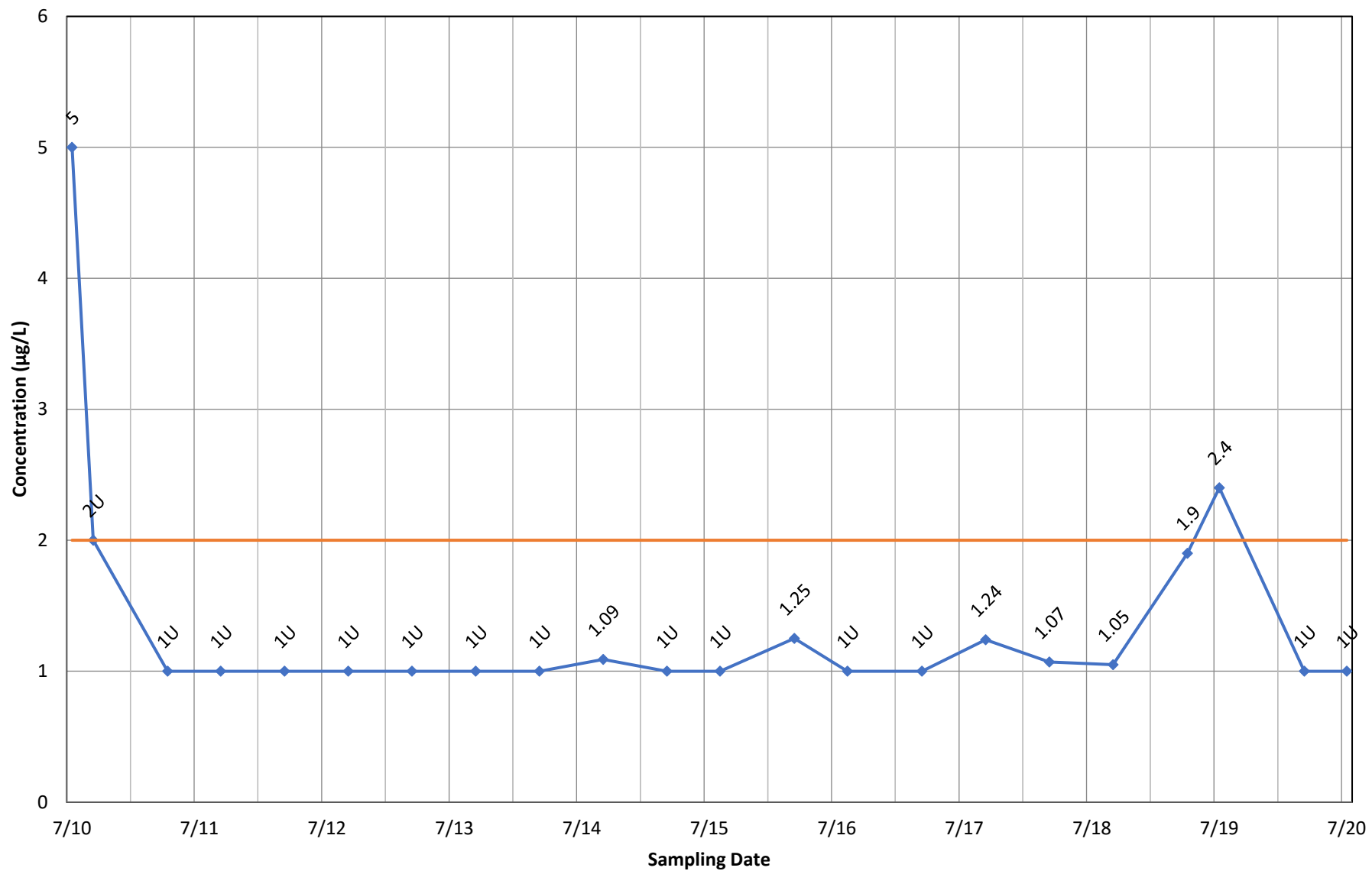


### Monitoring Well MW-7 - Trichloroethene



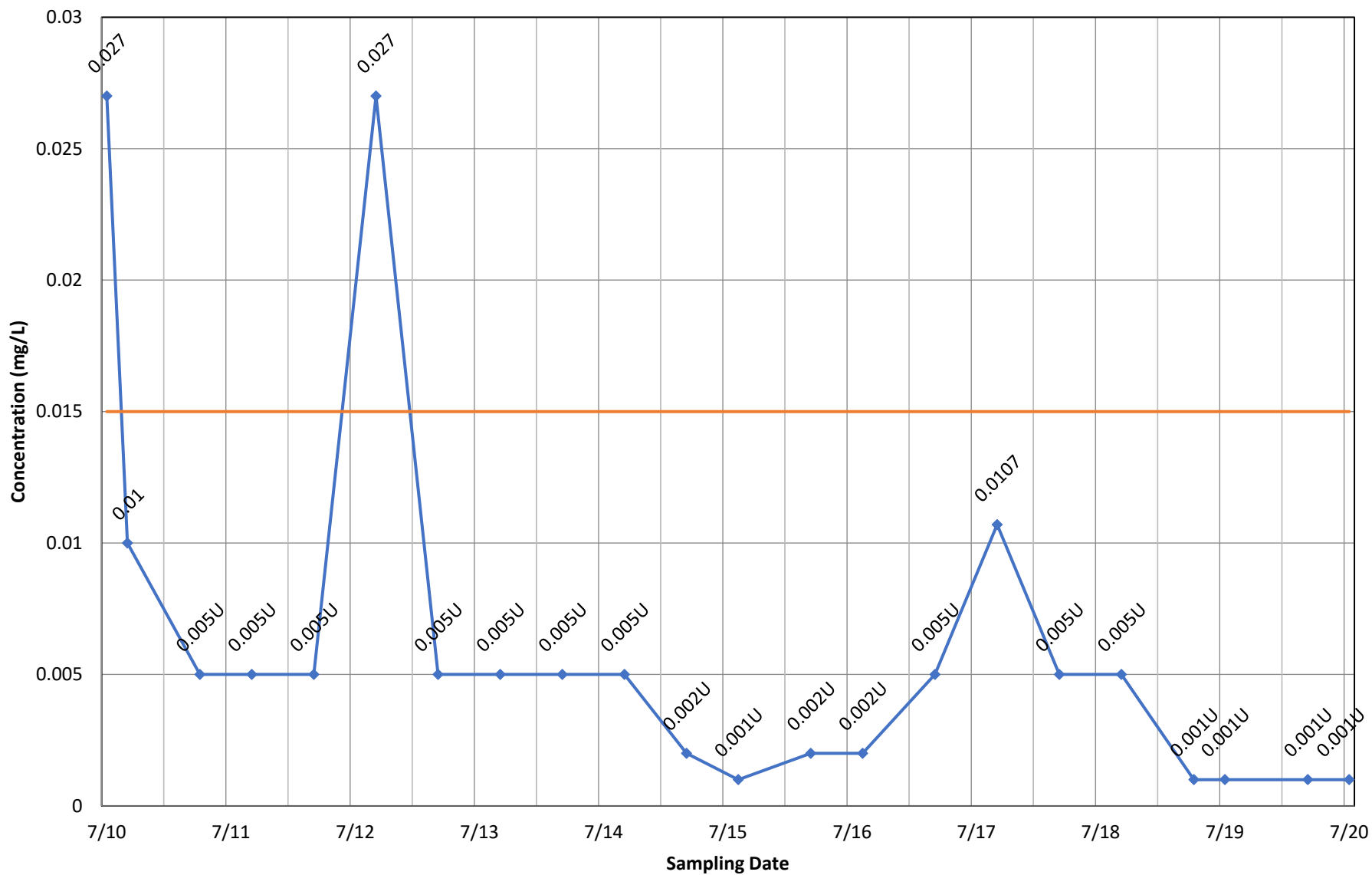
◆ Concentration    — Current MCL

# Monitoring Well MW-7 - Vinyl Chloride



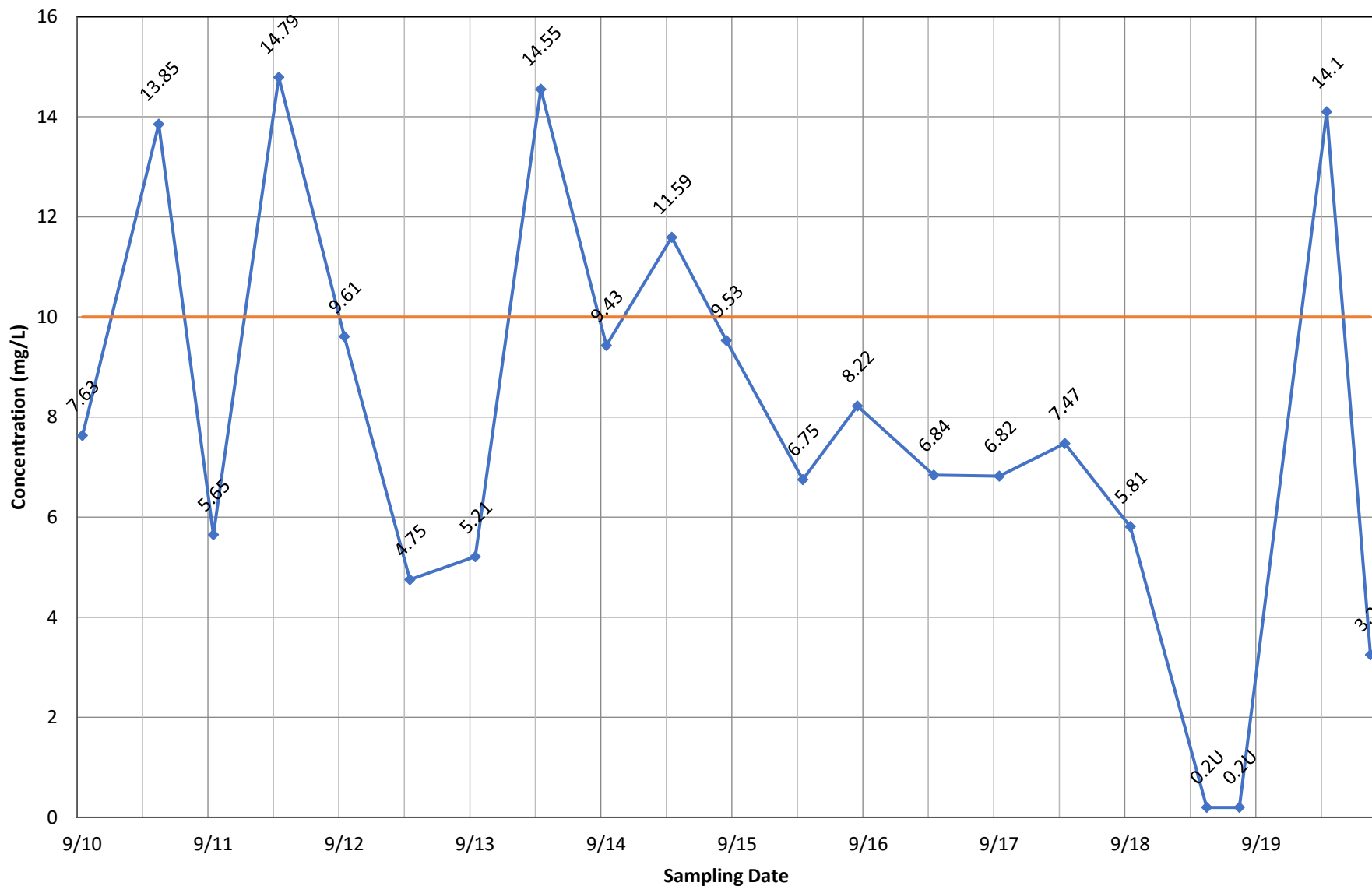
◆ Concentration    — Current MCL

### Monitoring Well MW-8 - Lead, total



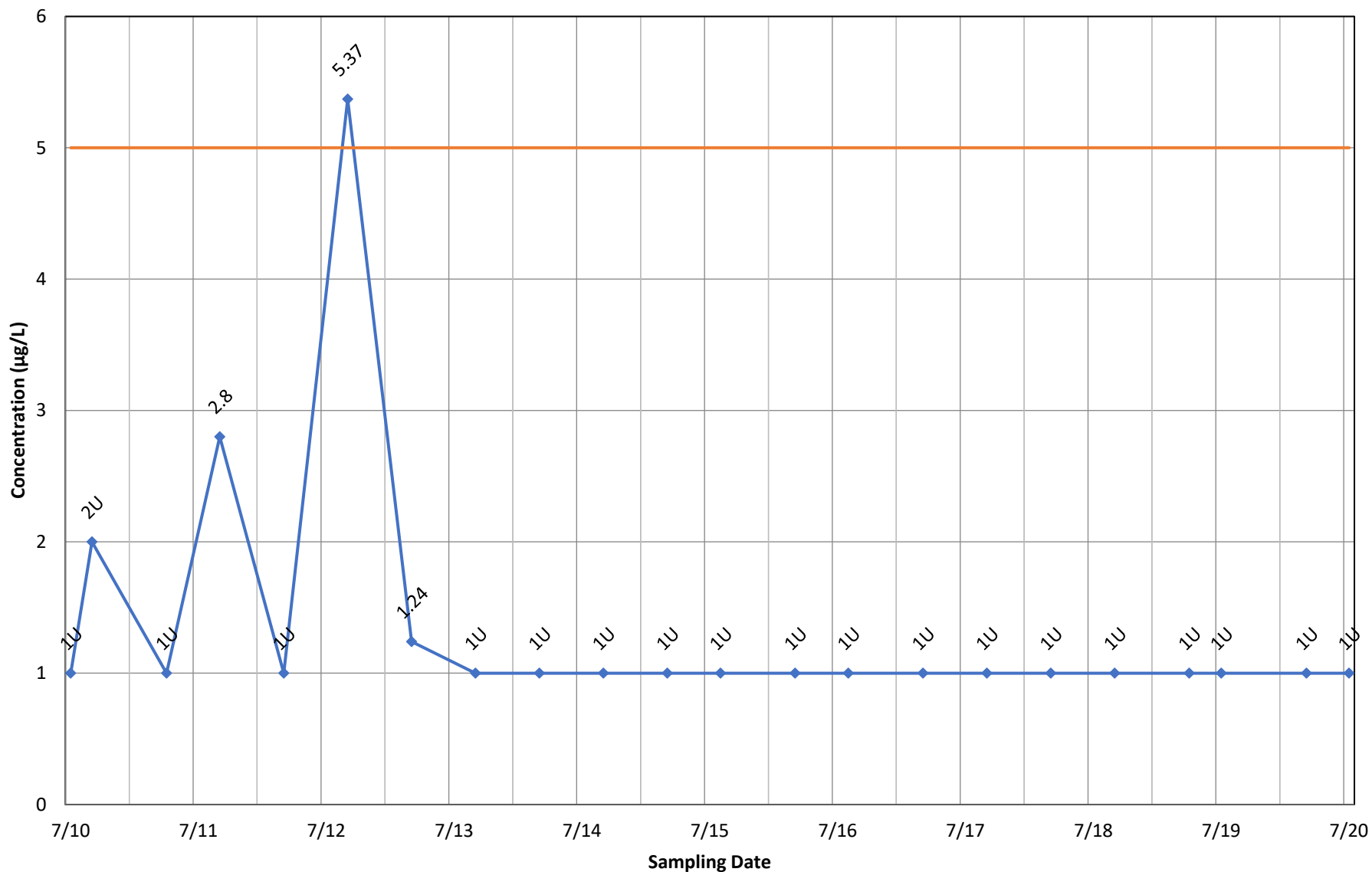
◆ Concentration    — Current MCL

### Monitoring Well MW-8 - Nitrate



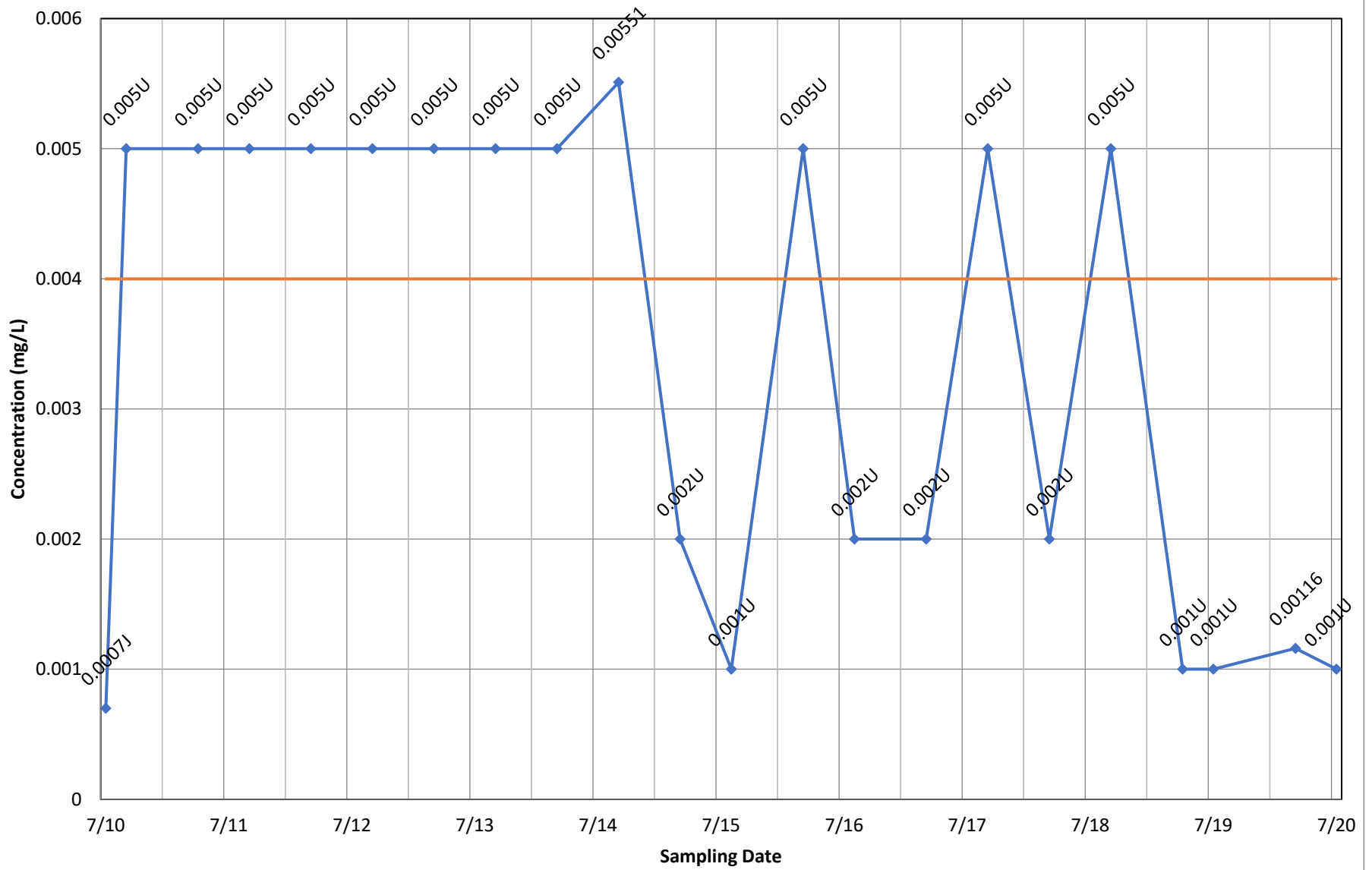
◆ Concentration    — Current MCL

### Monitoring Well MW-8 - Trichloroethene



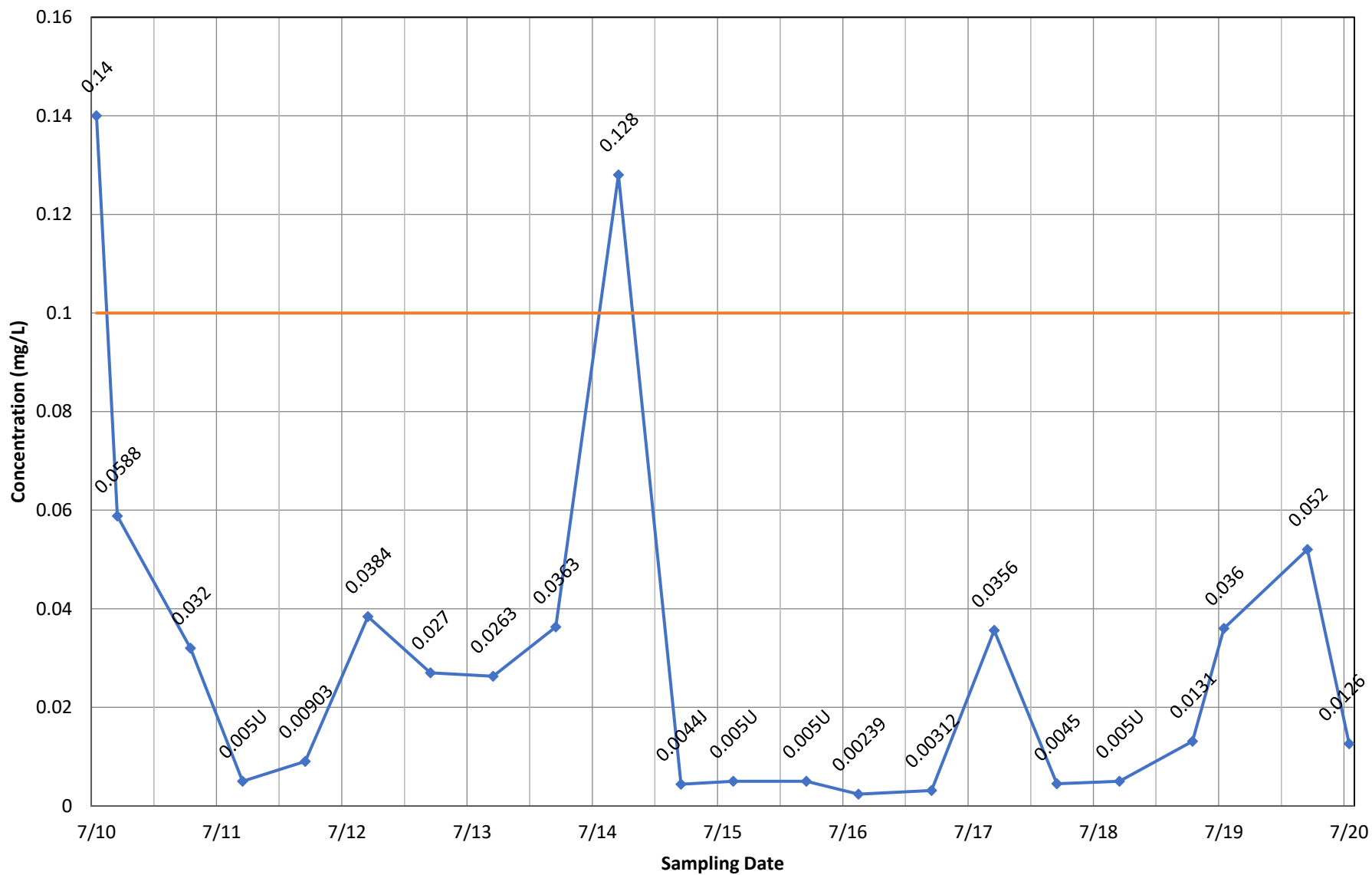
◆ Concentration    — Current MCL

### Monitoring Well MW-9 - Beryllium, total



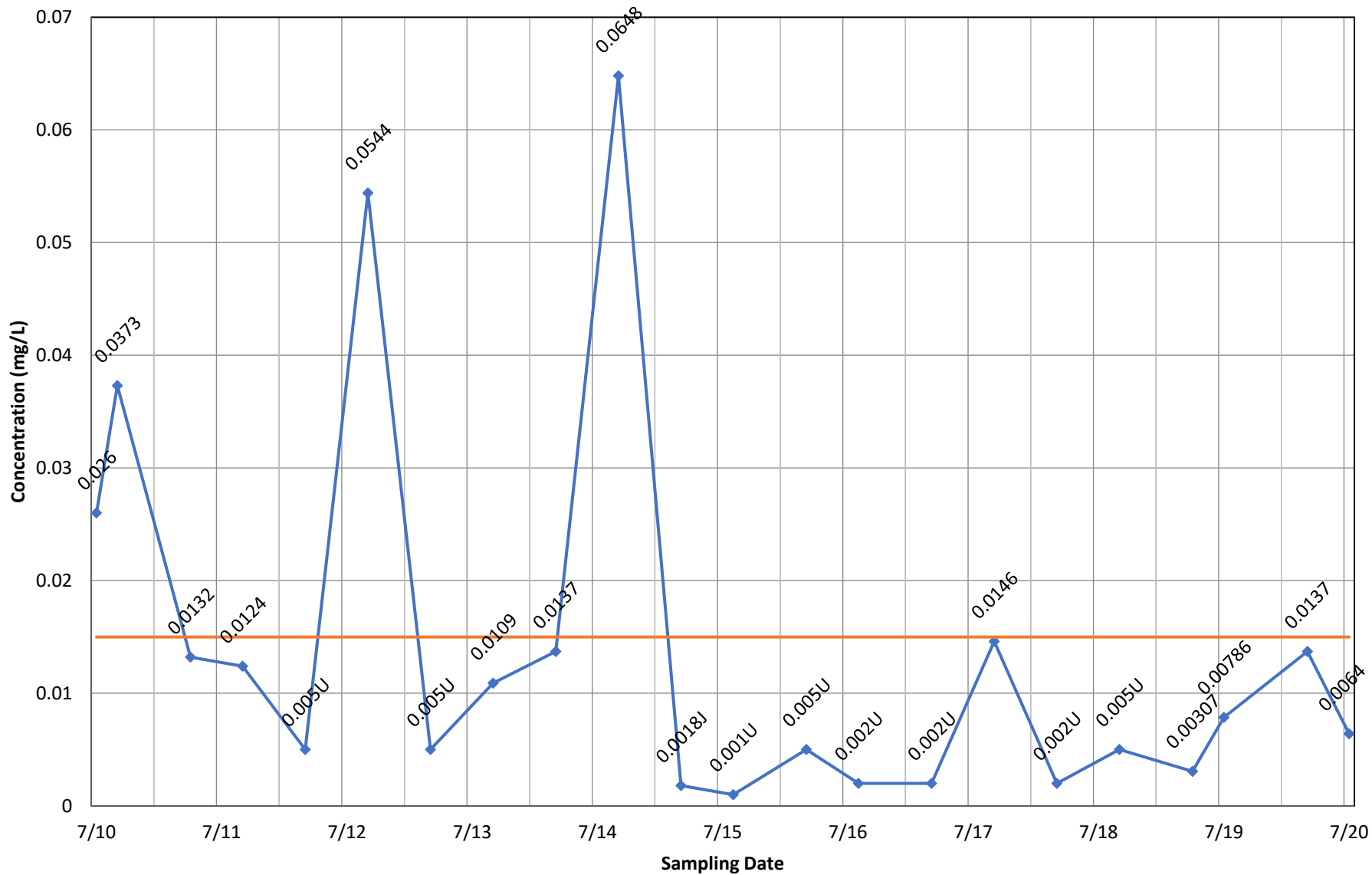
◆ Concentration    — Current MCL

### Monitoring Well MW-9 - Chromium, total



◆ Concentration    — Current MCL

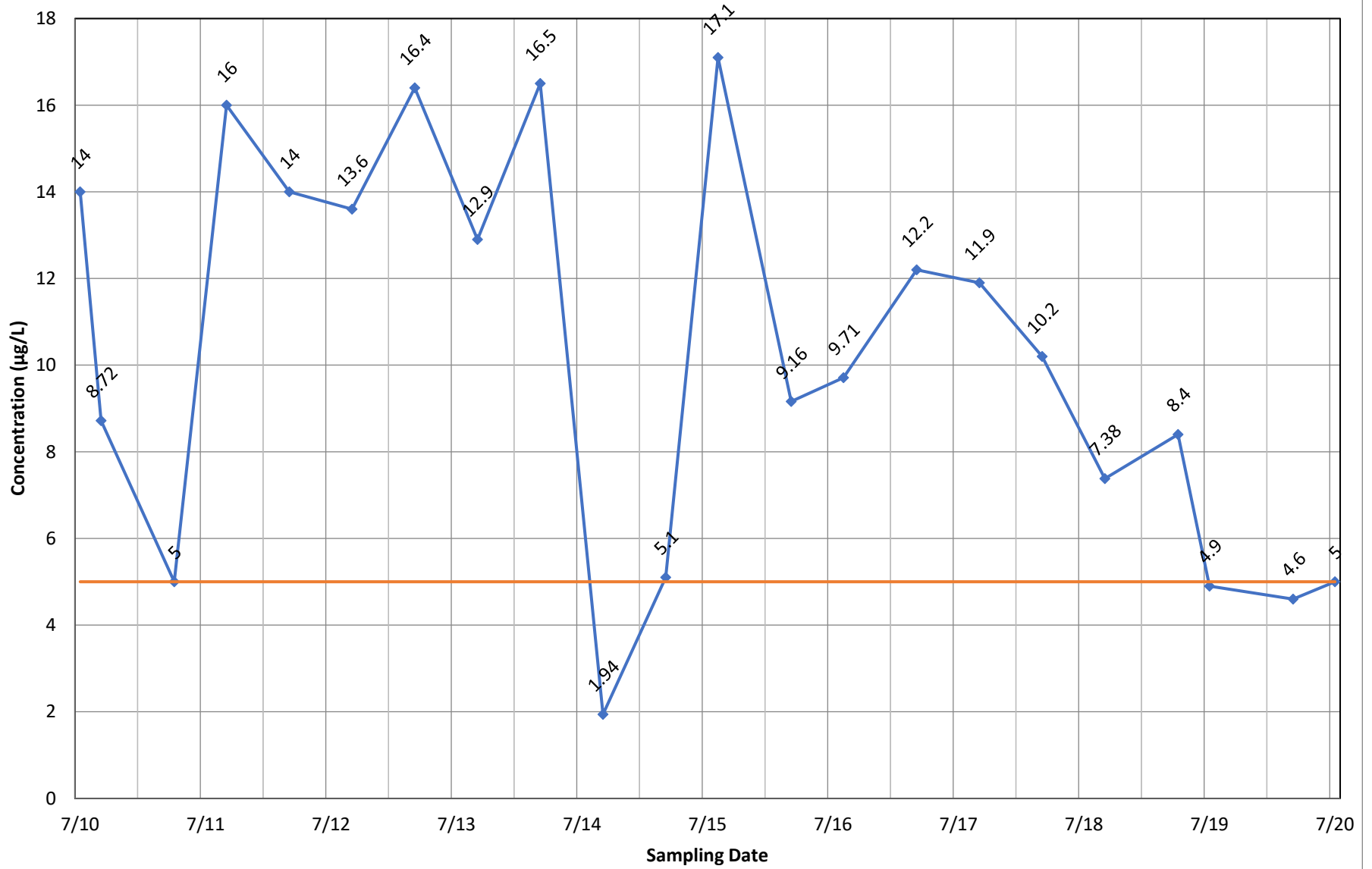
### Monitoring Well MW-9 - Lead, total



◆ Concentration    — Current MCL

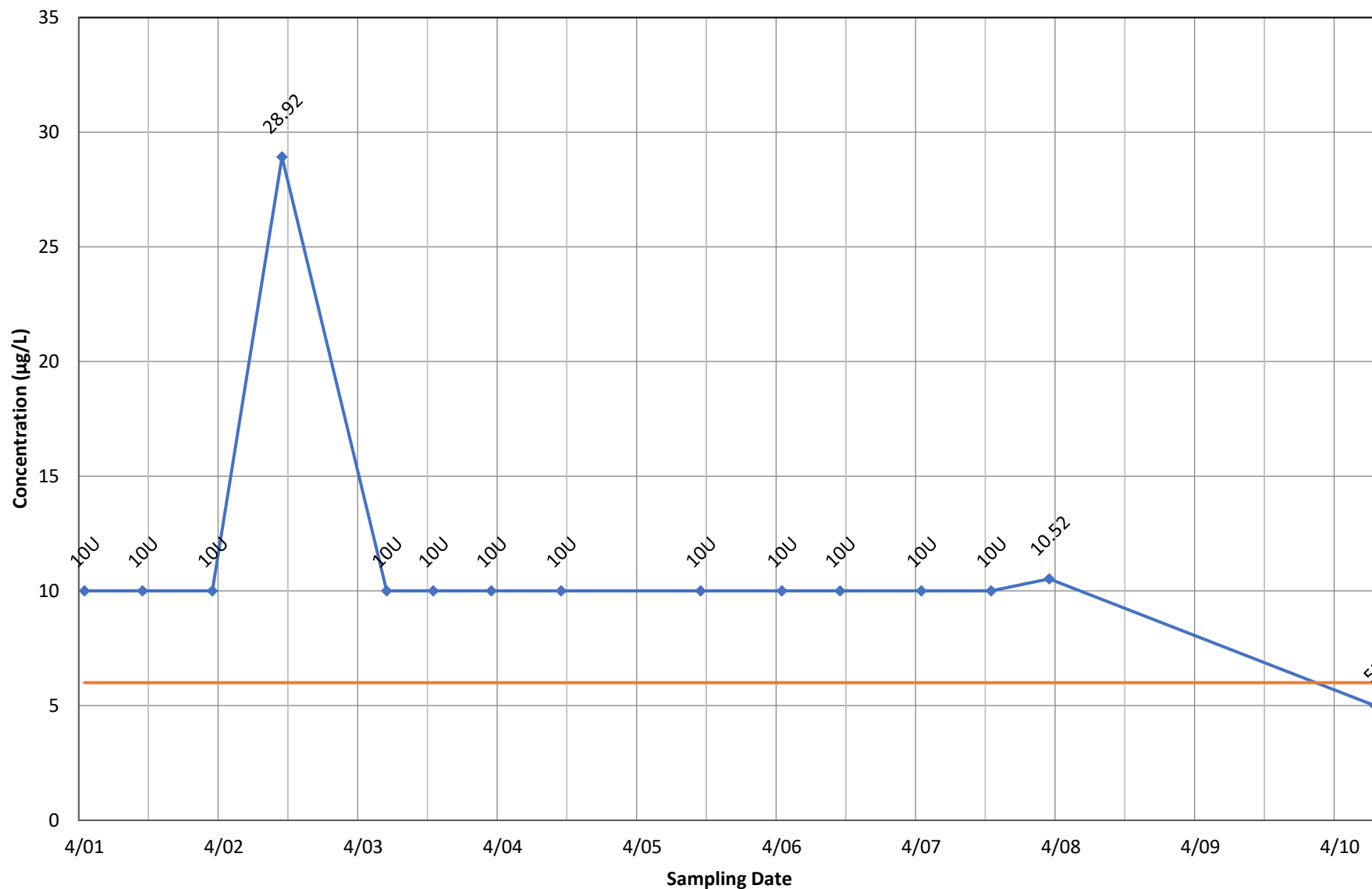


### Monitoring Well MW-9 - Tetrachloroethene



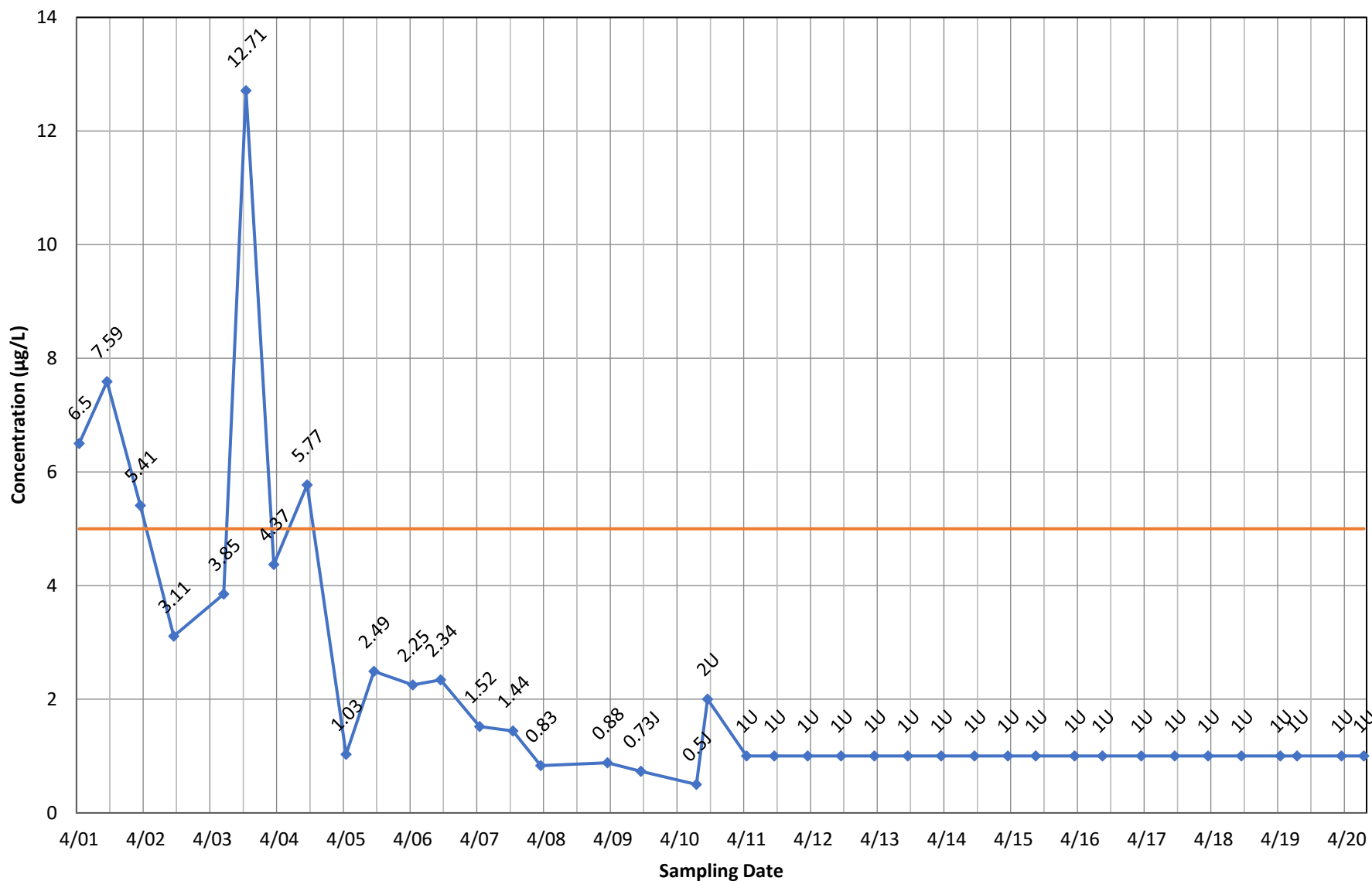
◆ Concentration    — Current MCL

### Monitoring Well OB01 - Bis(2-Ethylhexyl) Phthalate



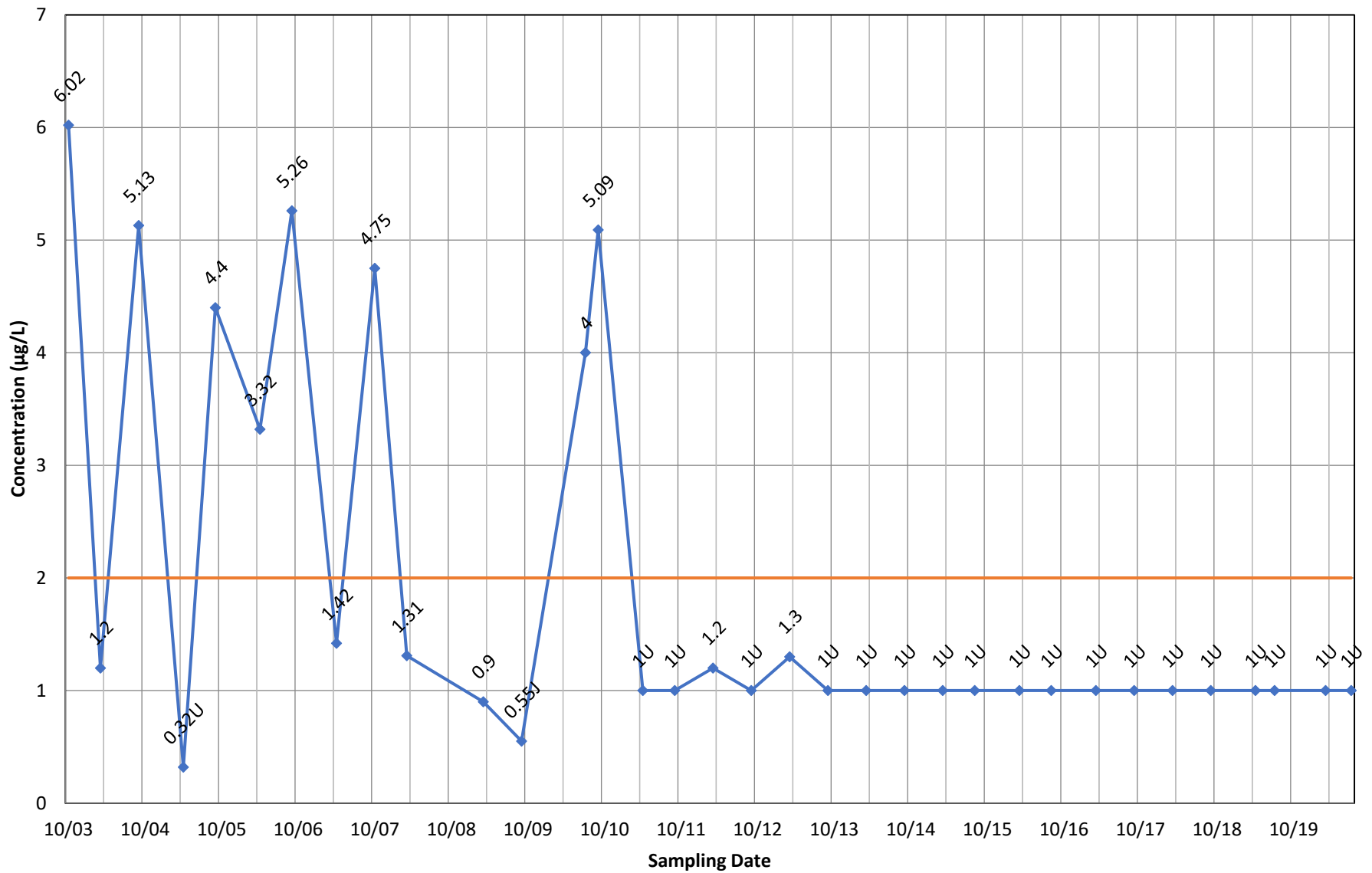
◆ Concentration    — Current MCL

### Monitoring Well OB01 - Trichloroethene



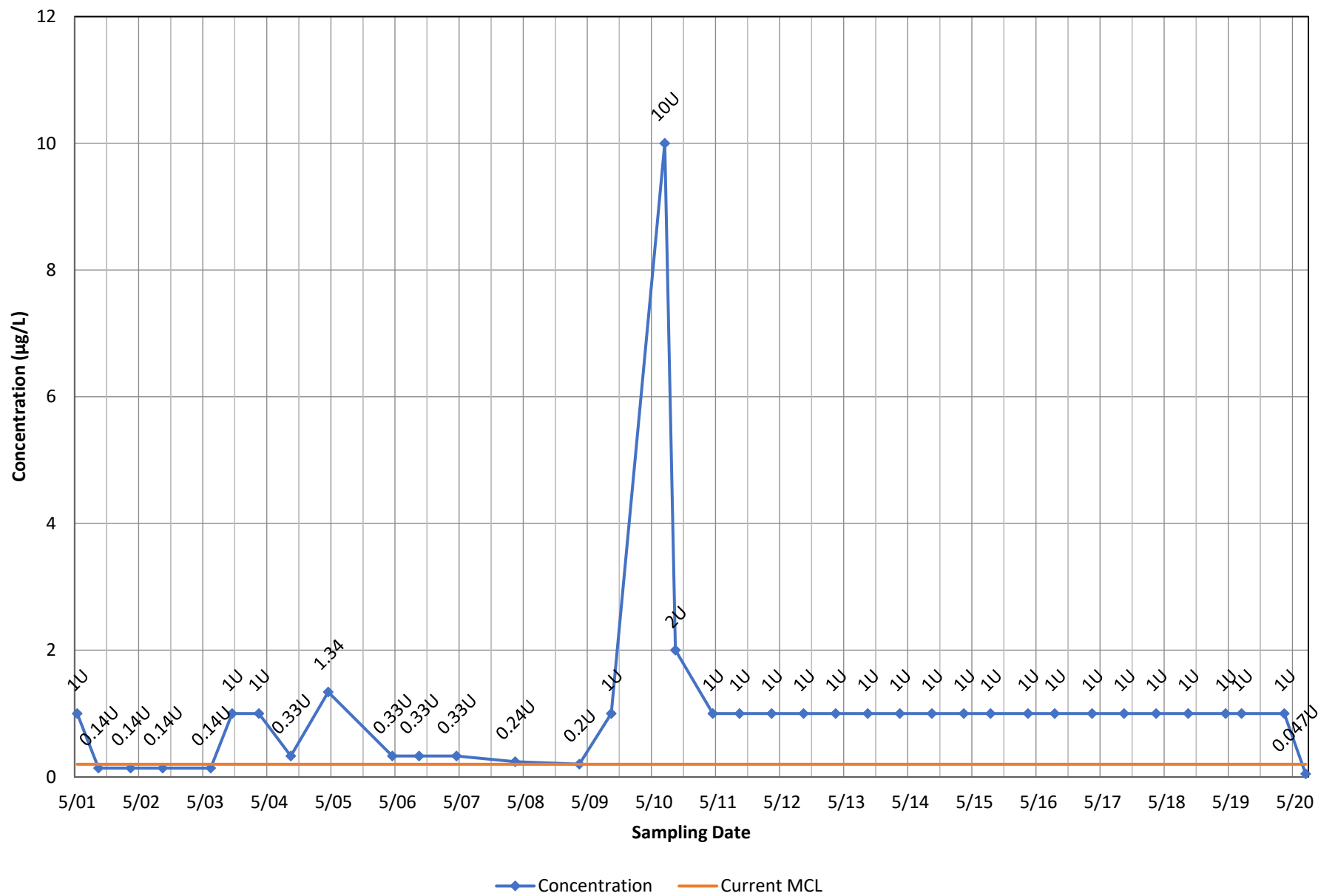
◆ Concentration    — Current MCL

# Monitoring Well OB01 - Vinyl Chloride

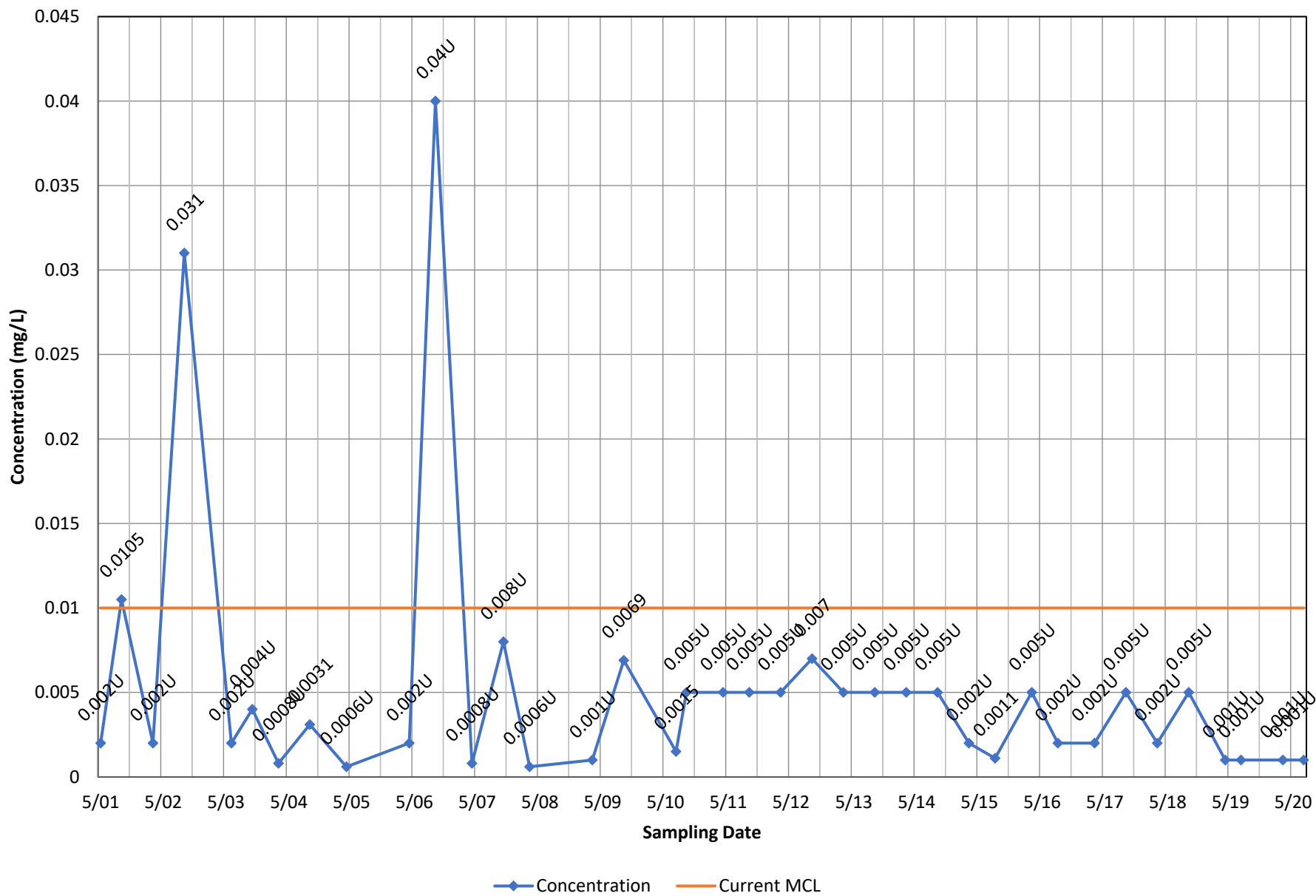


◆ Concentration    — Current MCL

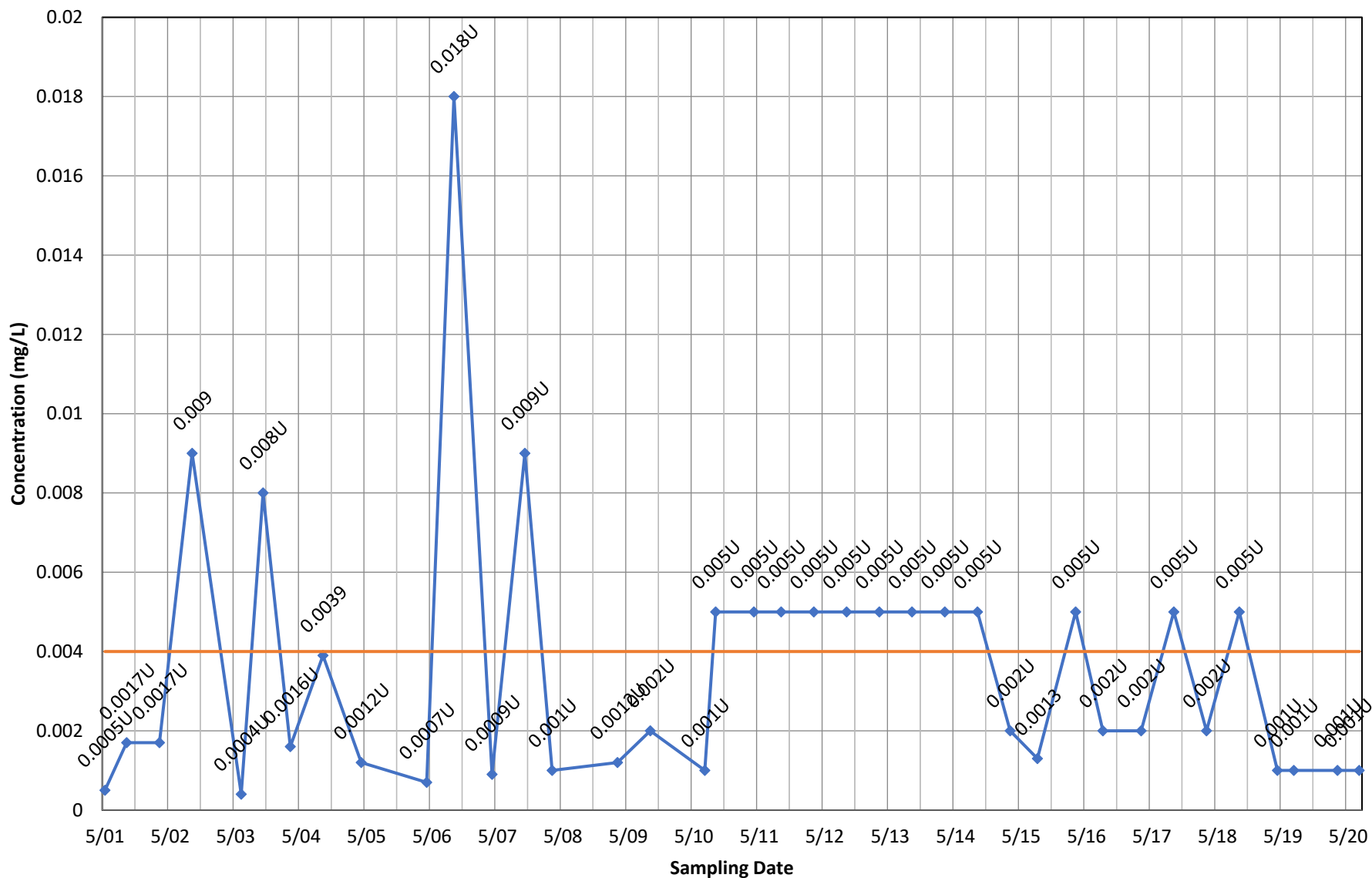
# Monitoring Well OB015 - 1,2-Dibromo-3-chloropropane



### Monitoring Well OB015 - Arsenic, total

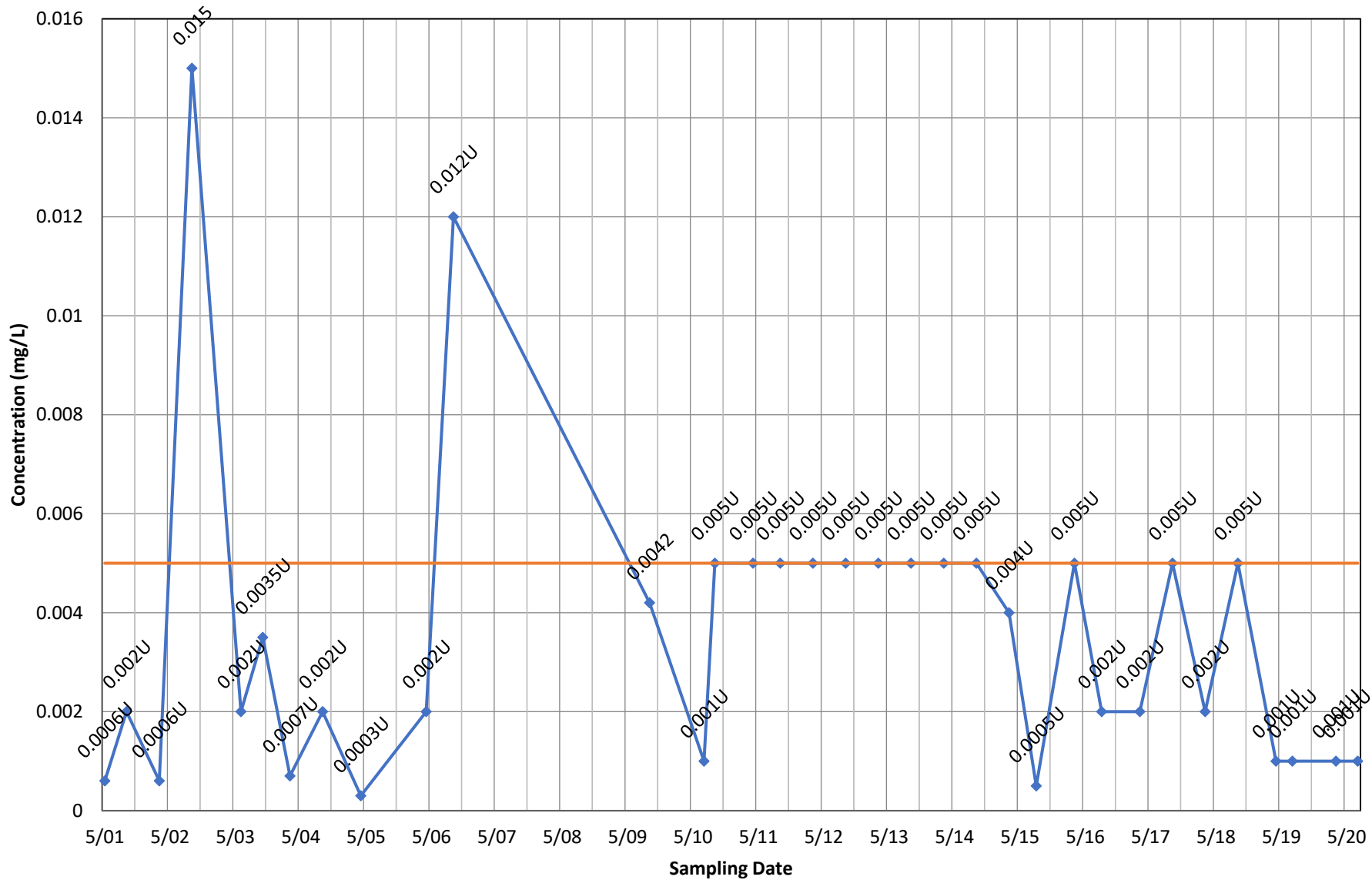


### Monitoring Well OB015 - Beryllium, total



◆ Concentration    — Current MCL

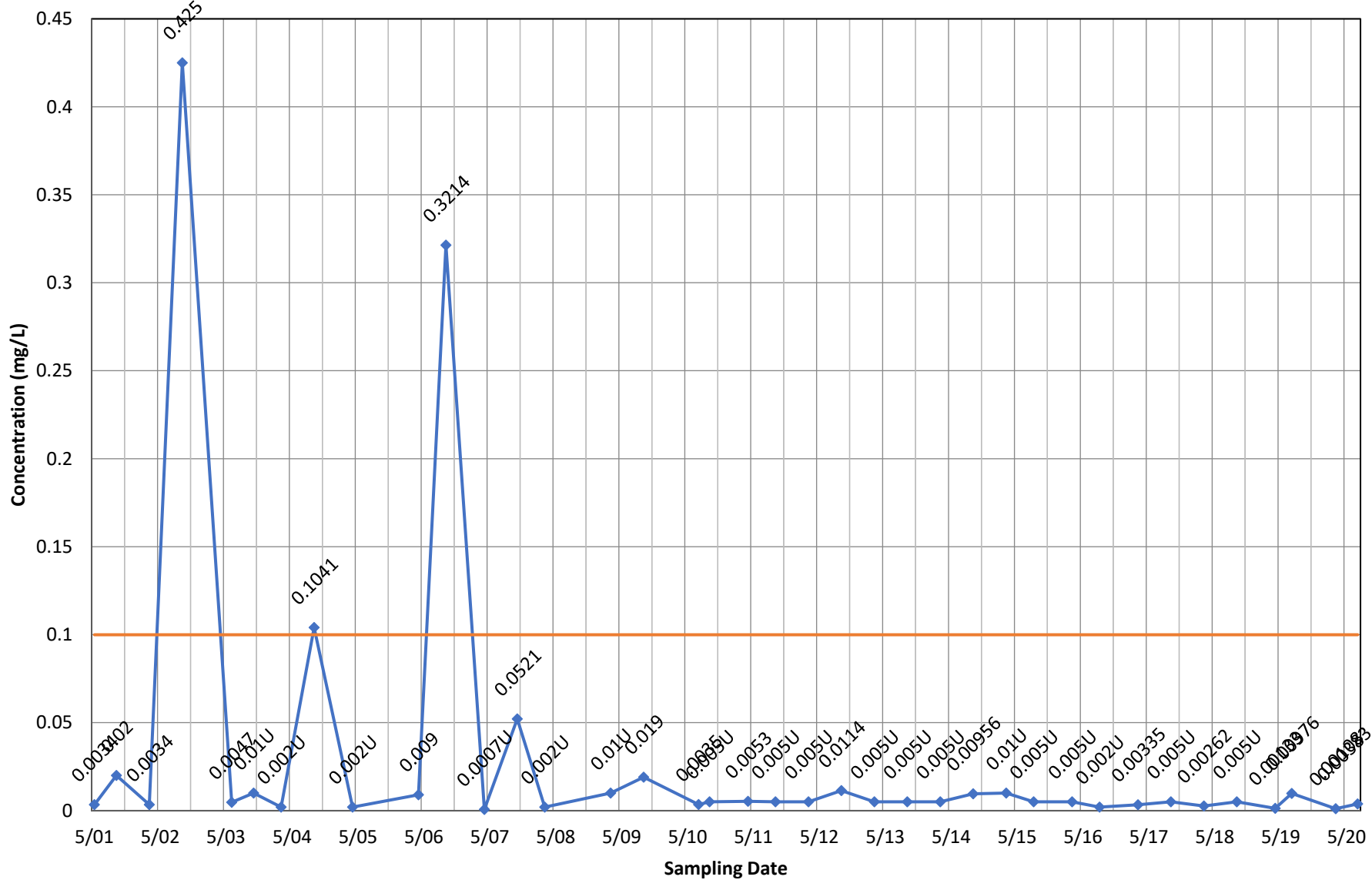
### Monitoring Well OB015 - Cadmium, total



◆ Concentration    — Current MCL

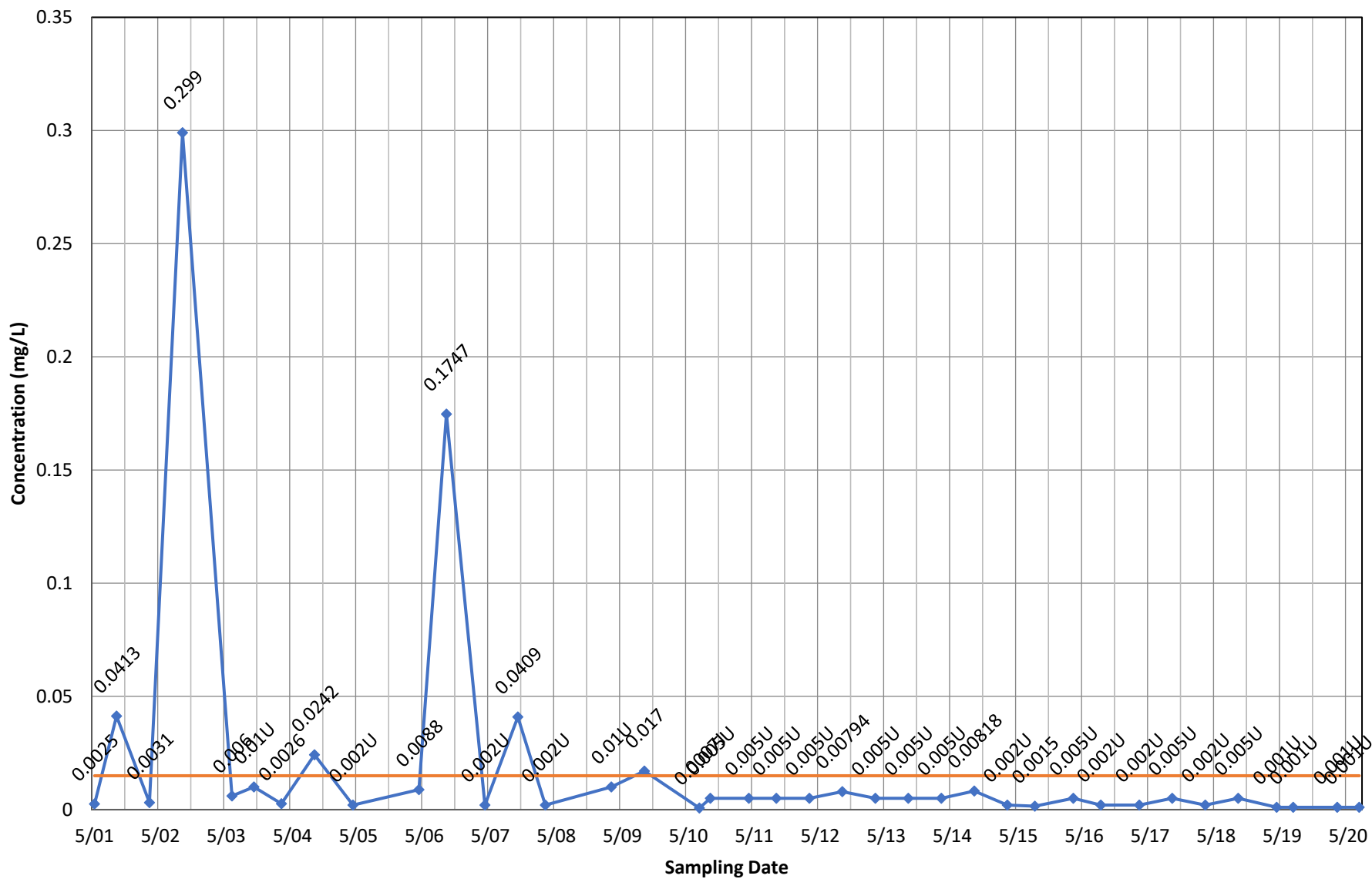


### Monitoring Well OB015 - Chromium, total



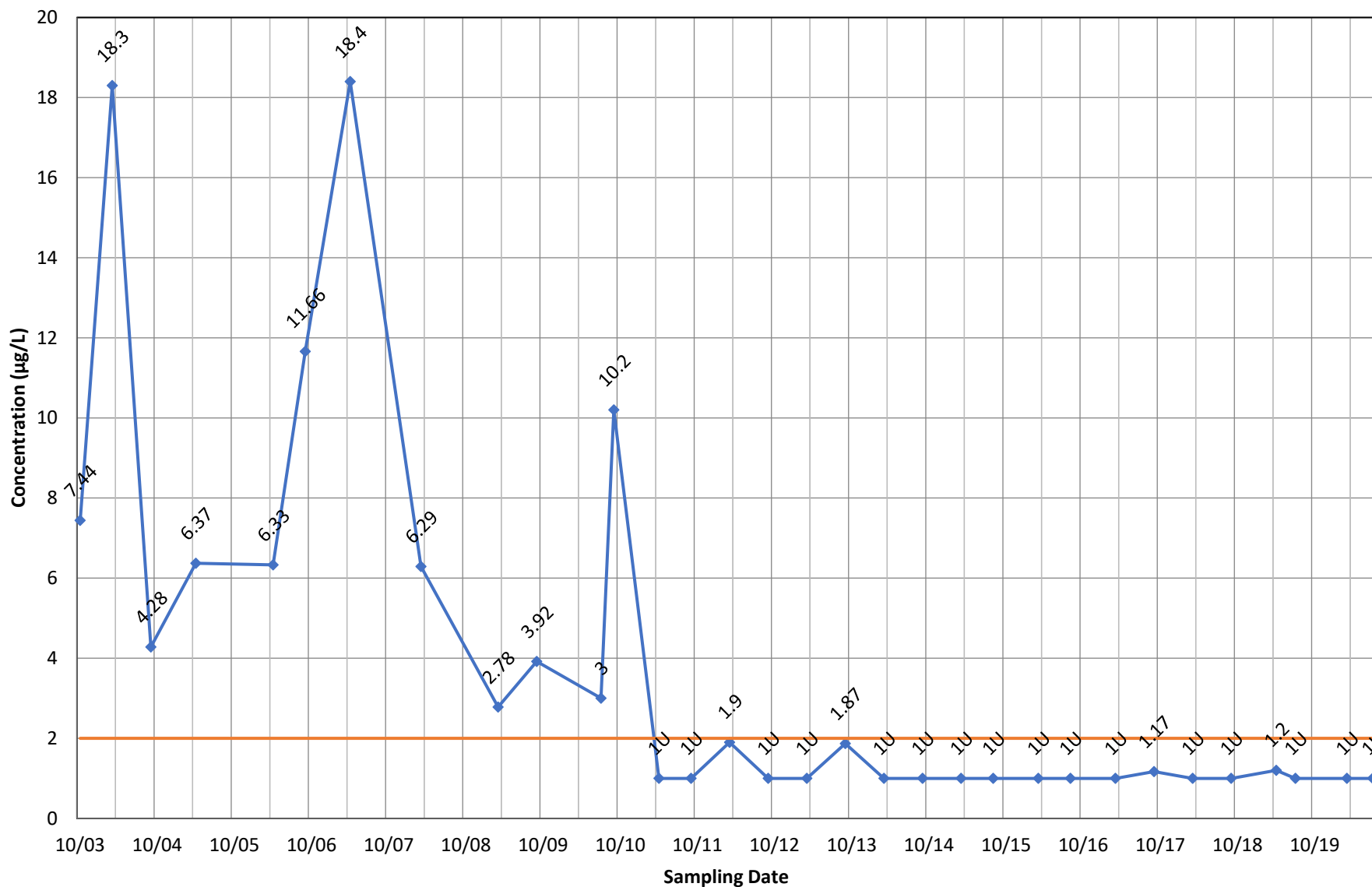
◆ Concentration    — Current MCL

### Monitoring Well OB015 - Lead, total



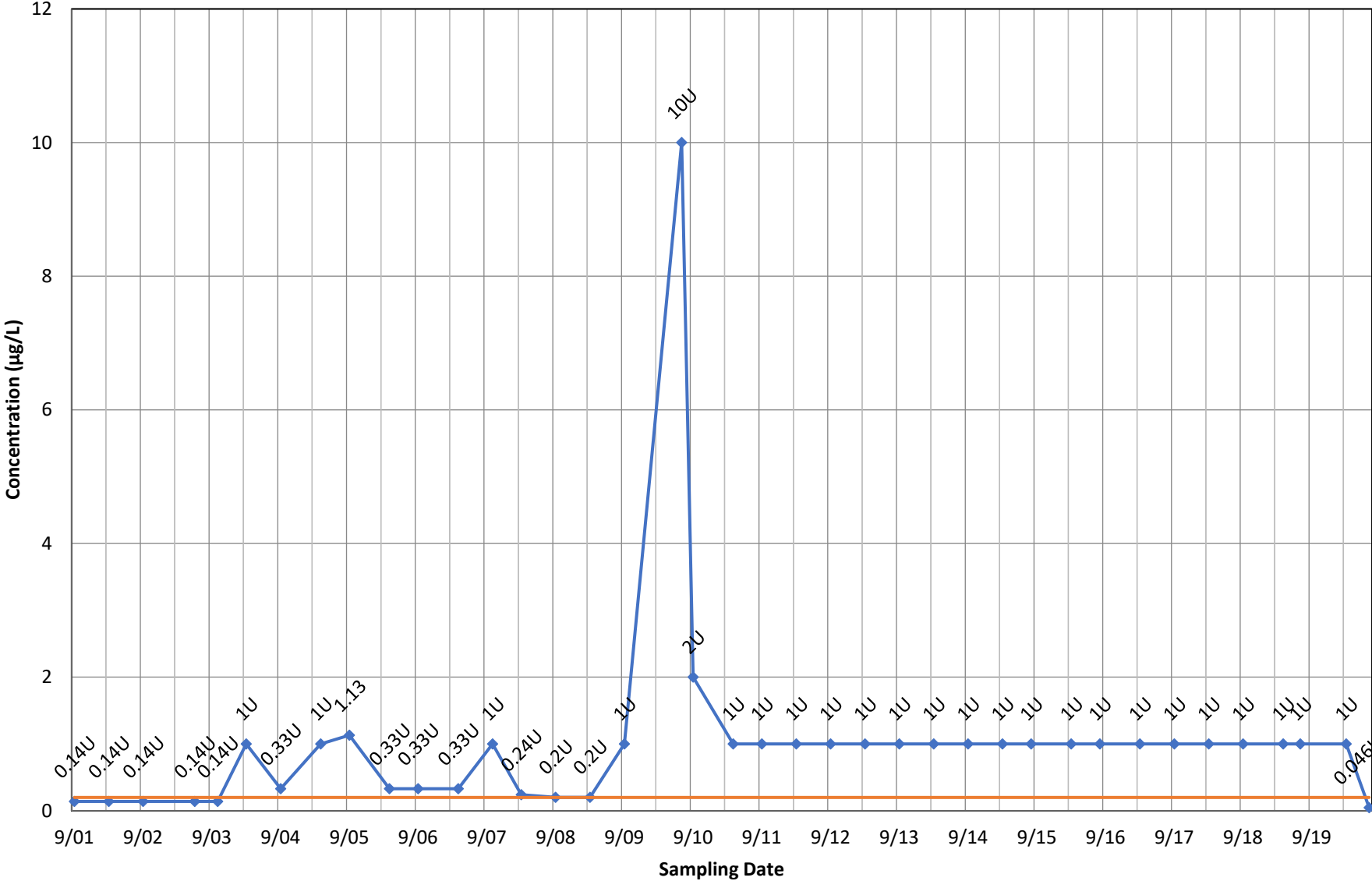
◆ Concentration    — Current MCL

### Monitoring Well OB015 - Vinyl Chloride



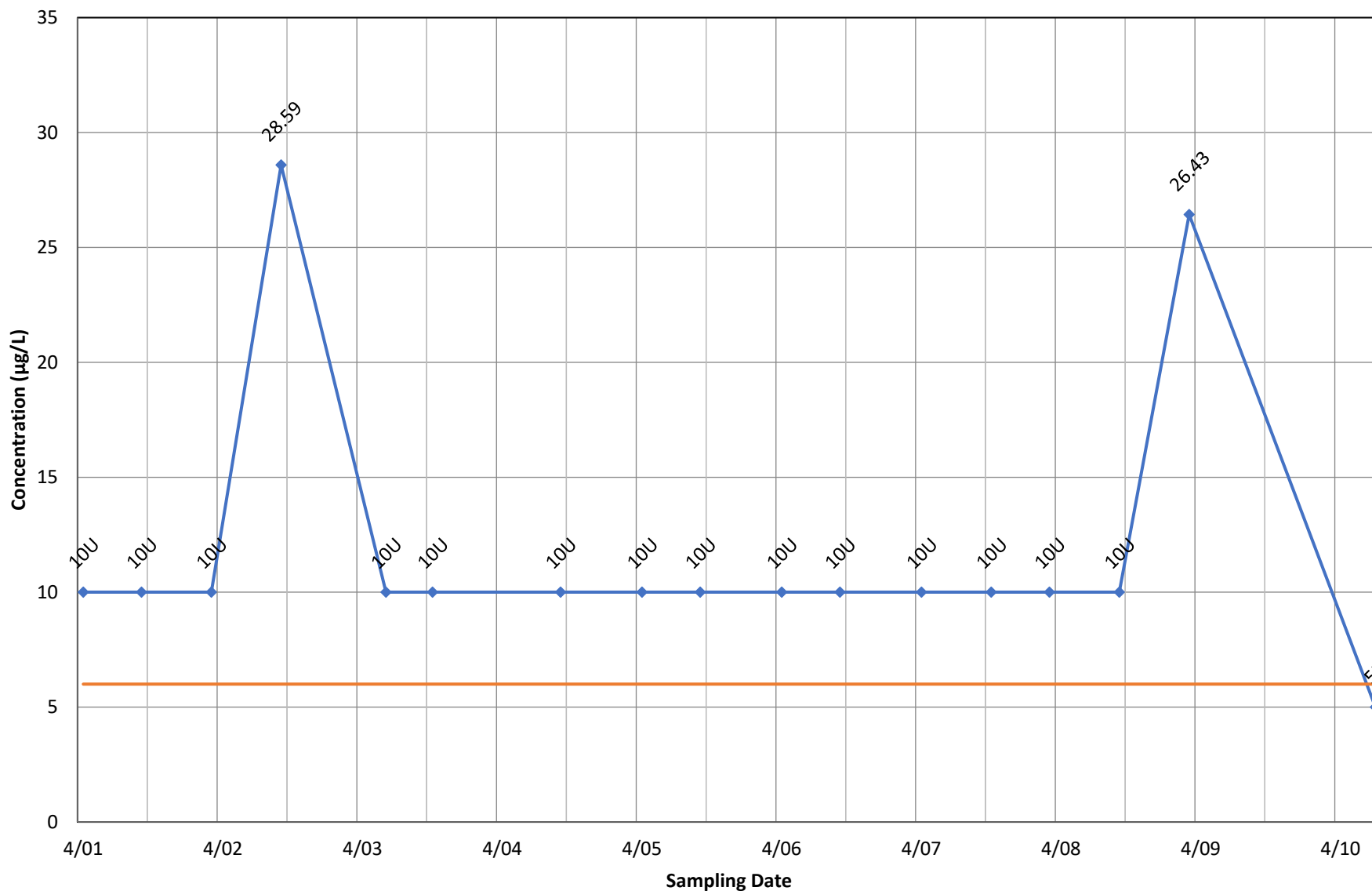
◆ Concentration    — Current MCL

# Monitoring Well OB02 - 1,2-Dibromo-3-chloropropane



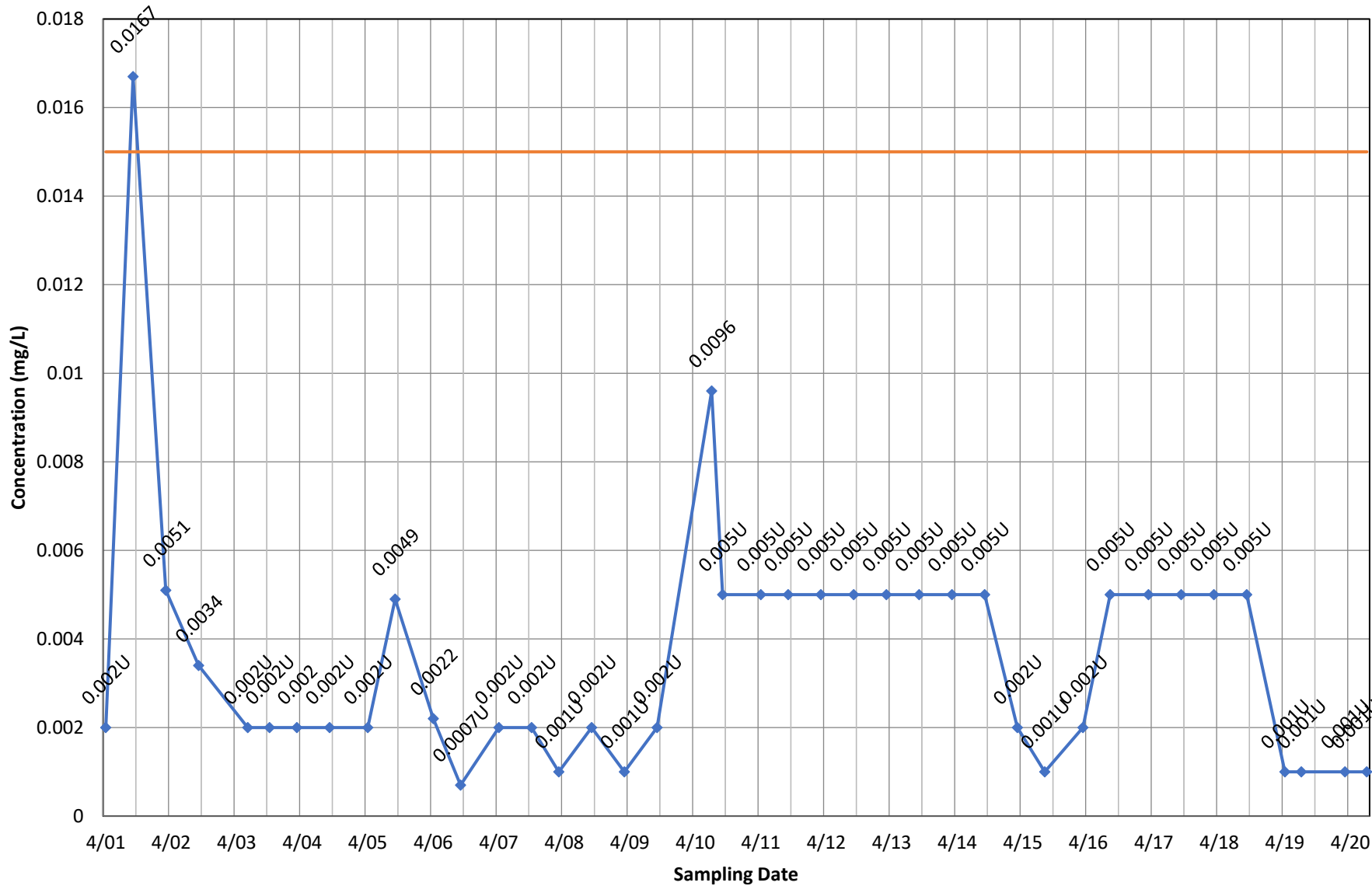
◆ Concentration    — Current MCL

### Monitoring Well OB02 - Bis(2-Ethylhexyl) Phthalate



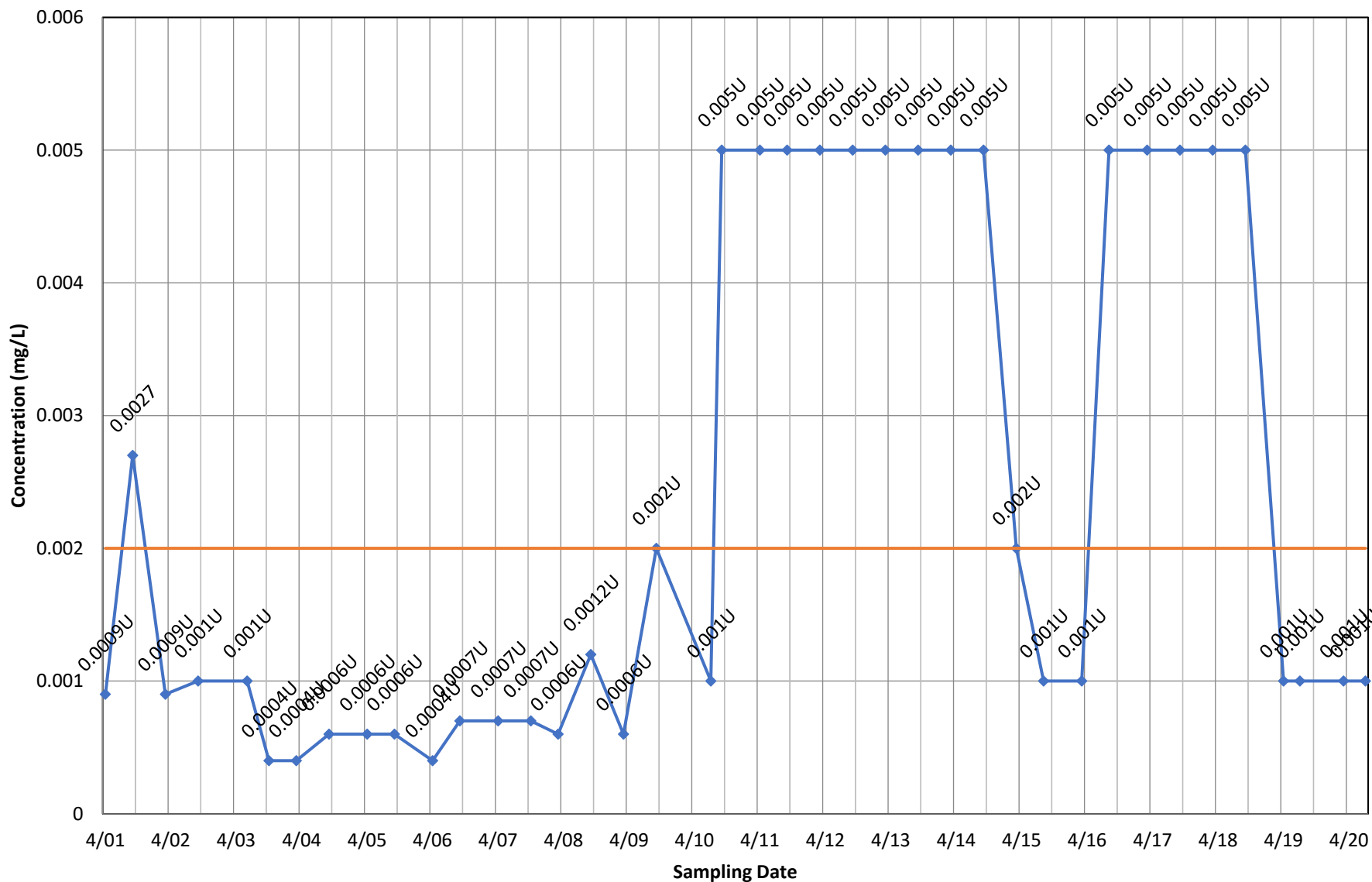
◆ Concentration    — Current MCL

### Monitoring Well OB02 - Lead, total



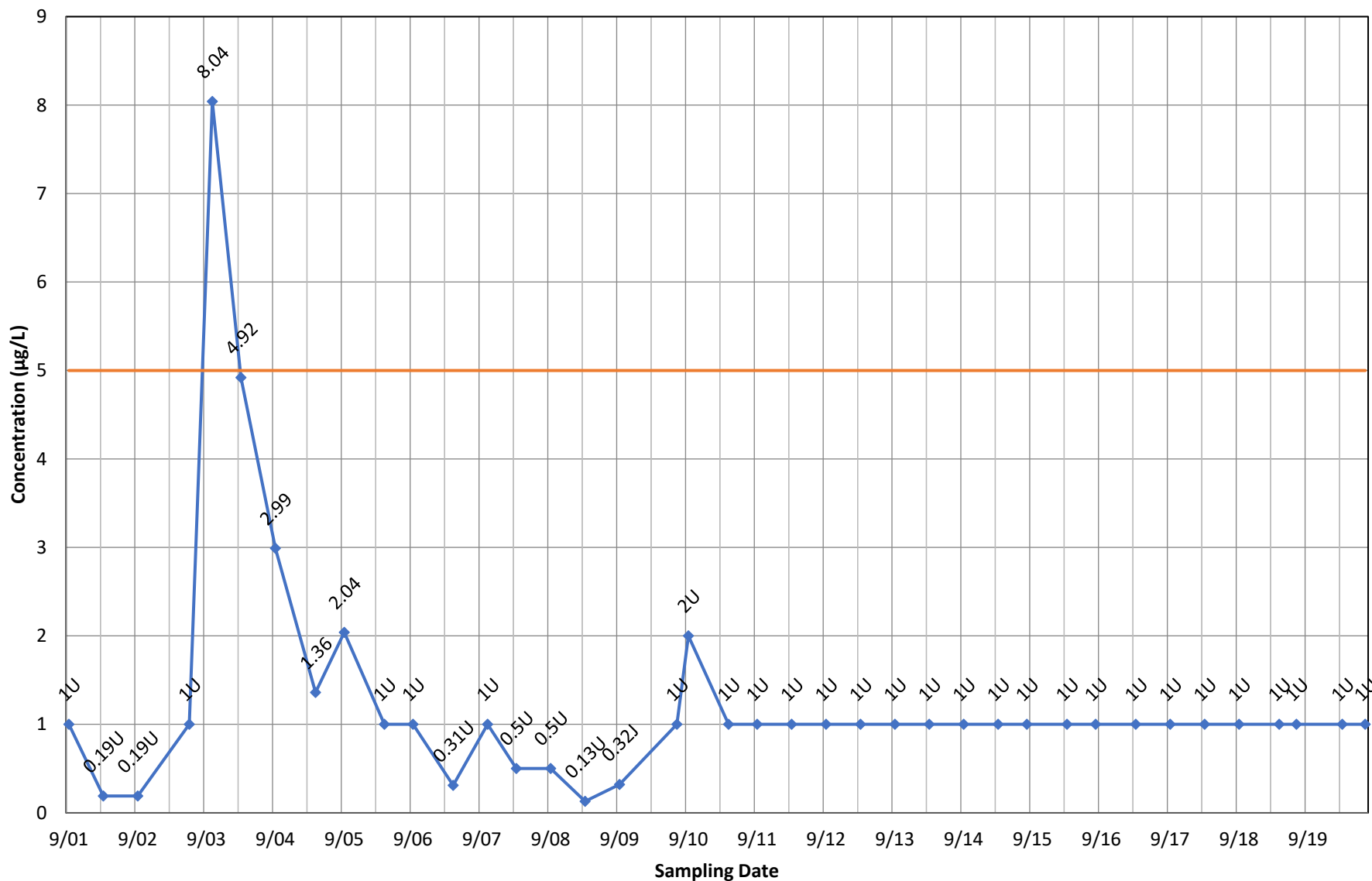
—◆— Concentration    — Current MCL

### Monitoring Well OB02 - Thallium, total



◆ Concentration    — Current MCL

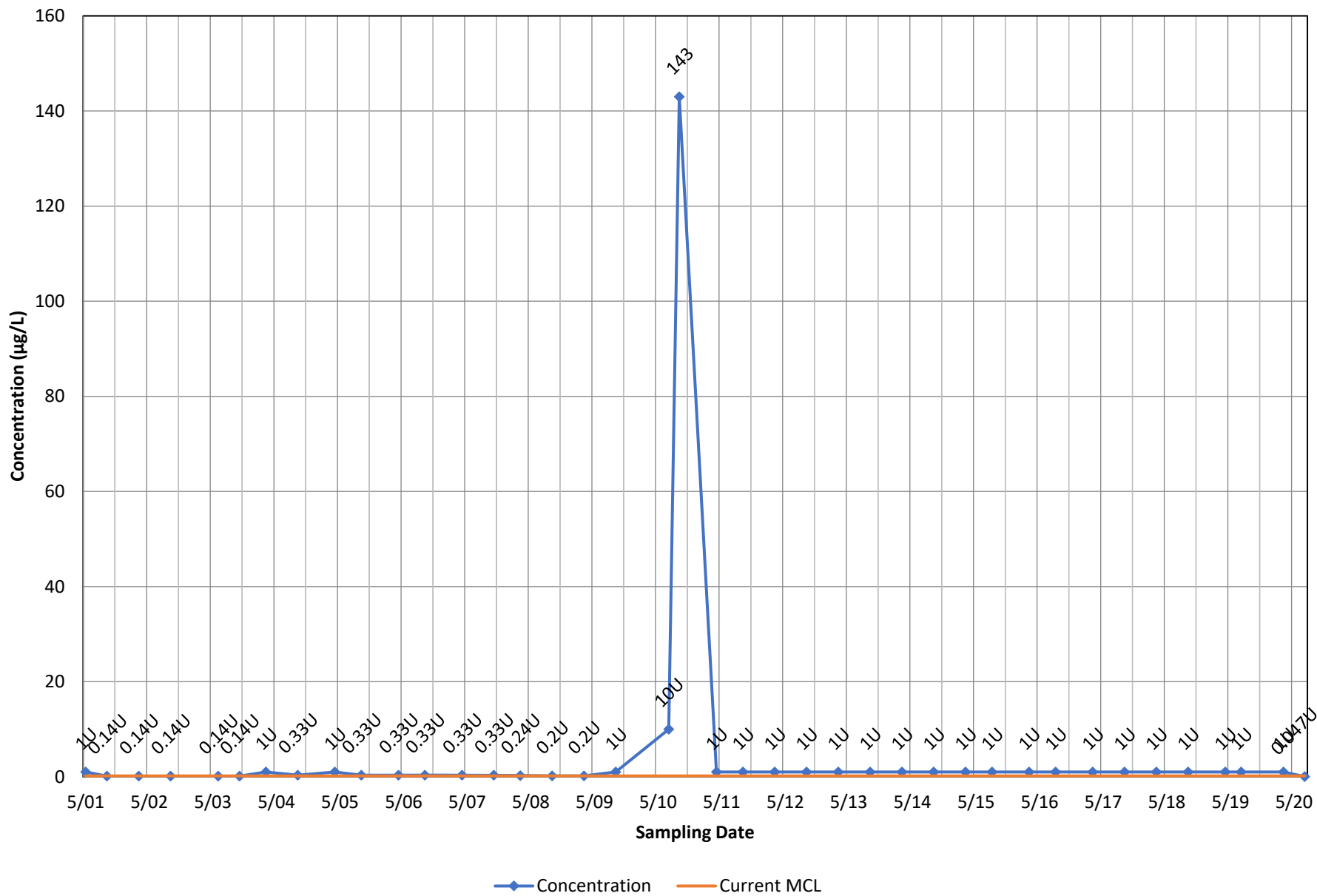
### Monitoring Well OB02 - Trichloroethene



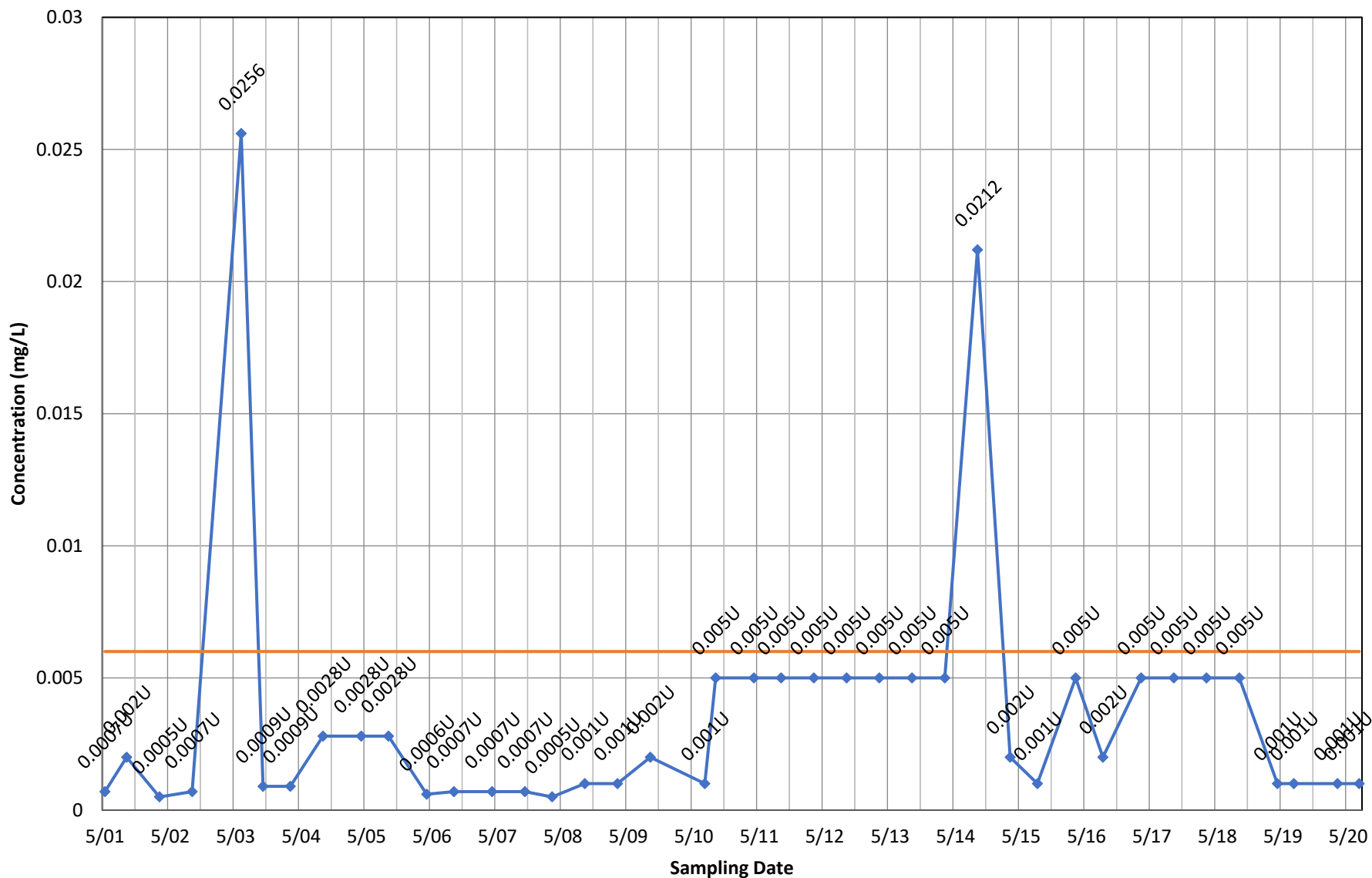
◆ Concentration    — Current MCL



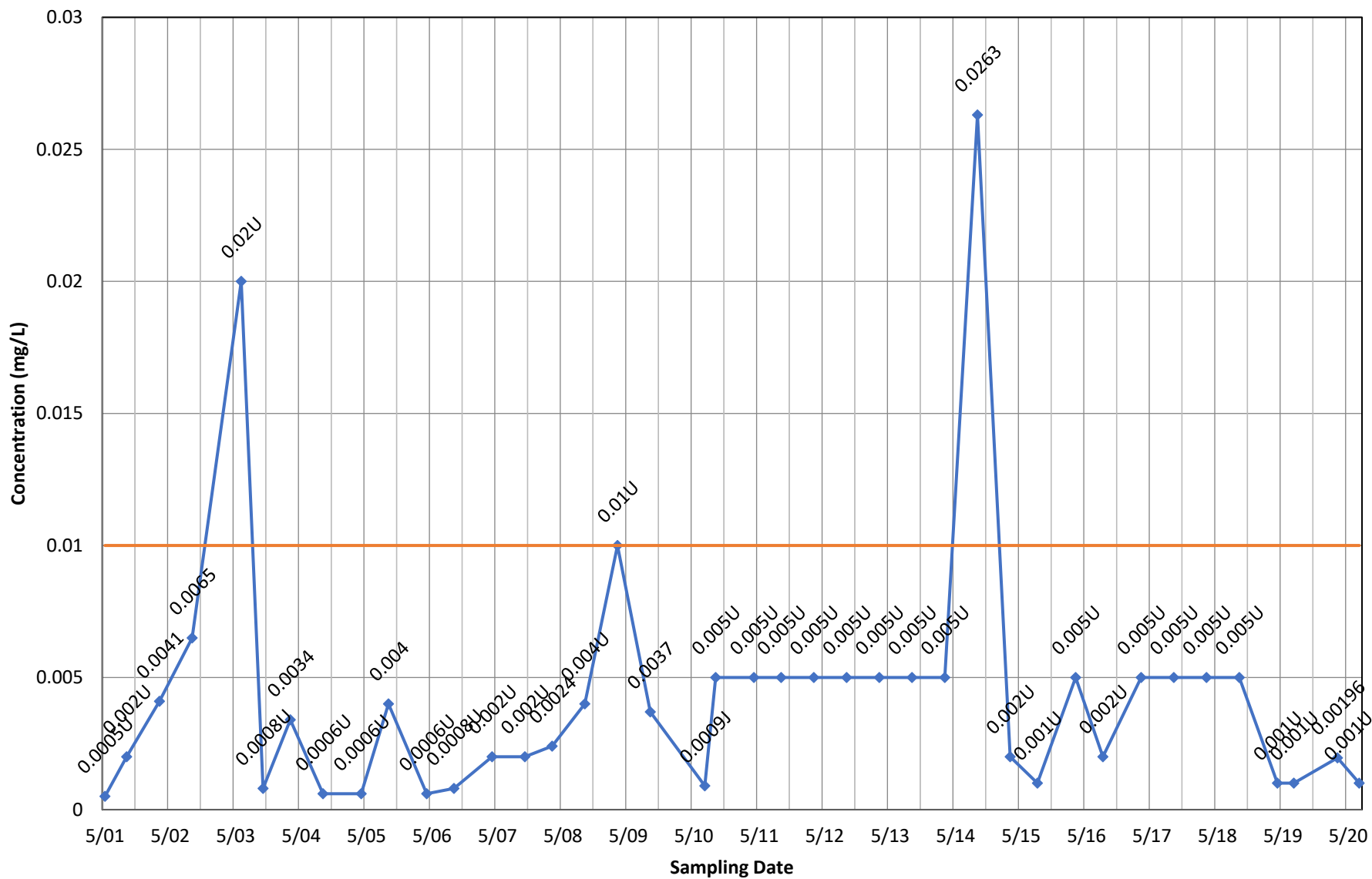
# Monitoring Well OB025 - 1,2-Dibromo-3-chloropropane



### Monitoring Well OB025 - Antimony, total

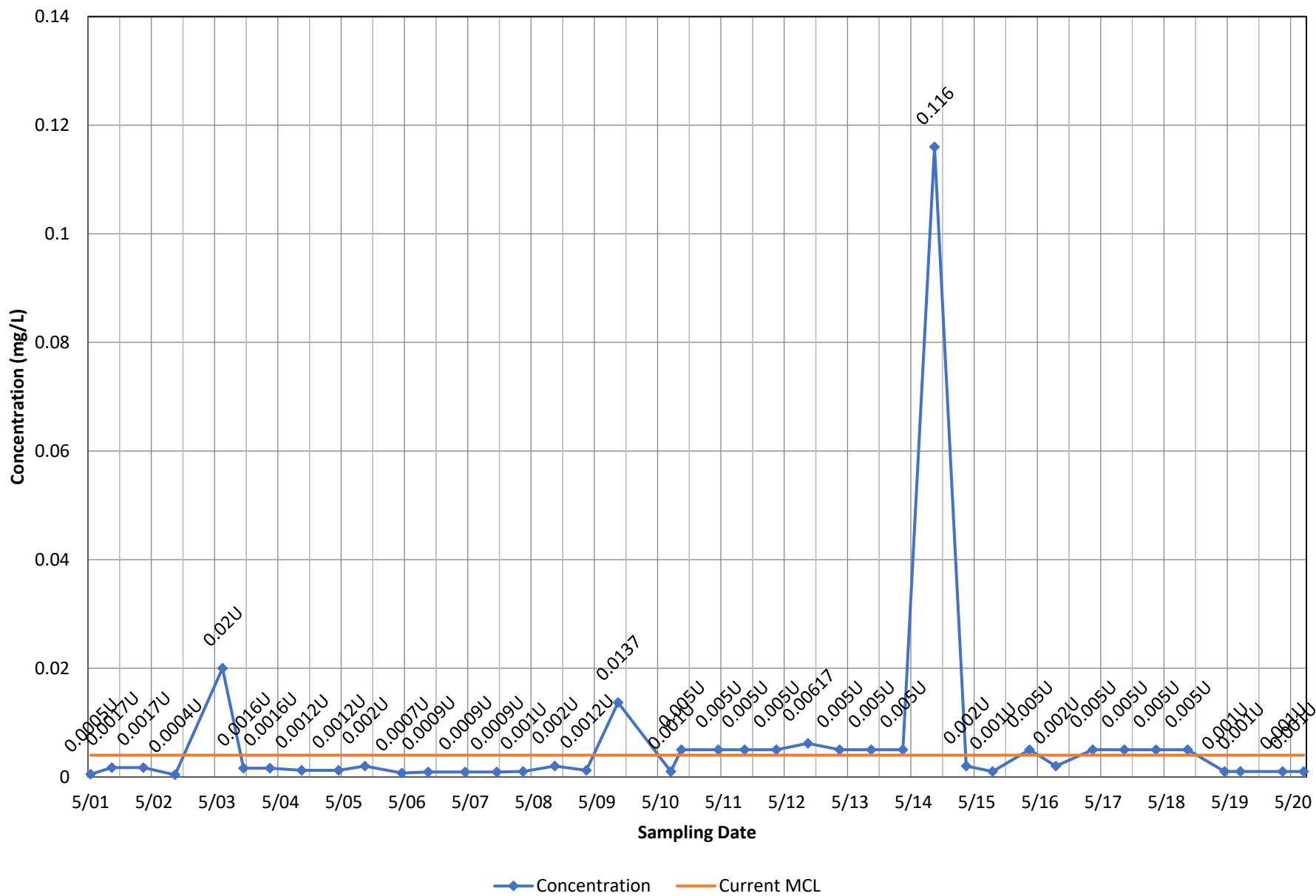


### Monitoring Well OB025 - Arsenic, total

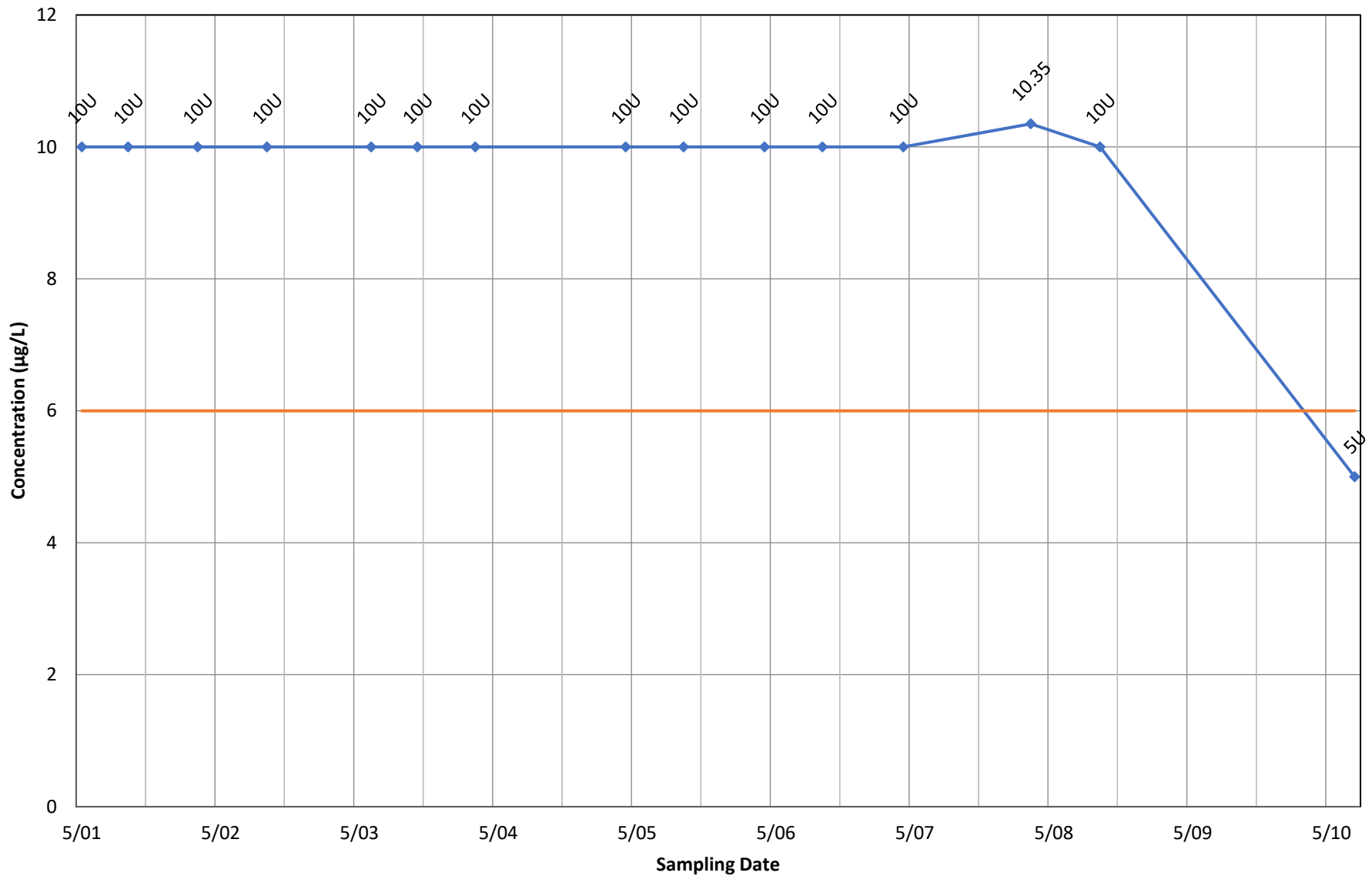


◆ Concentration    — Current MCL

### Monitoring Well OB025 - Beryllium, total

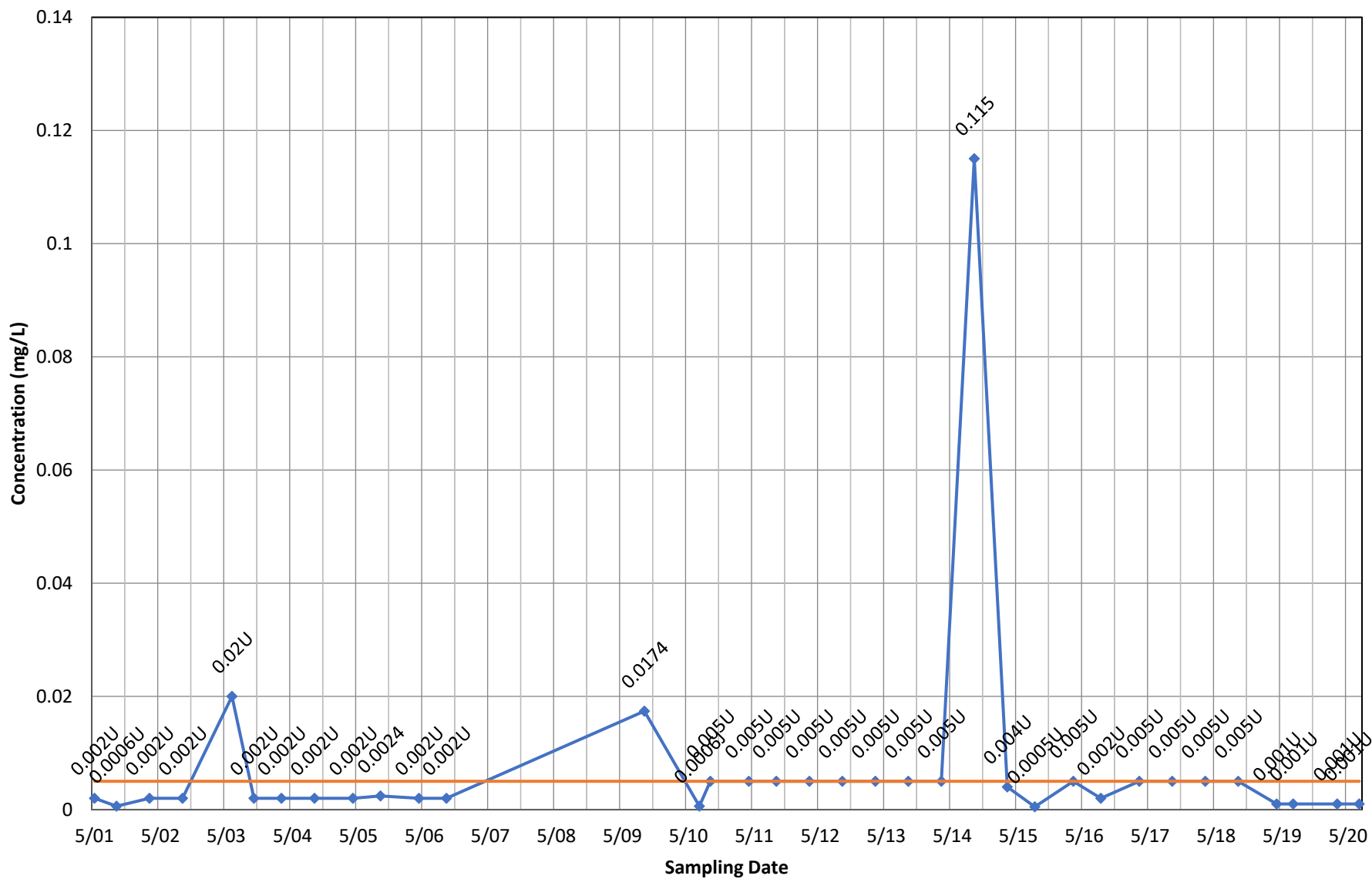


### Monitoring Well OB025 - Bis(2-Ethylhexyl) Phthalate



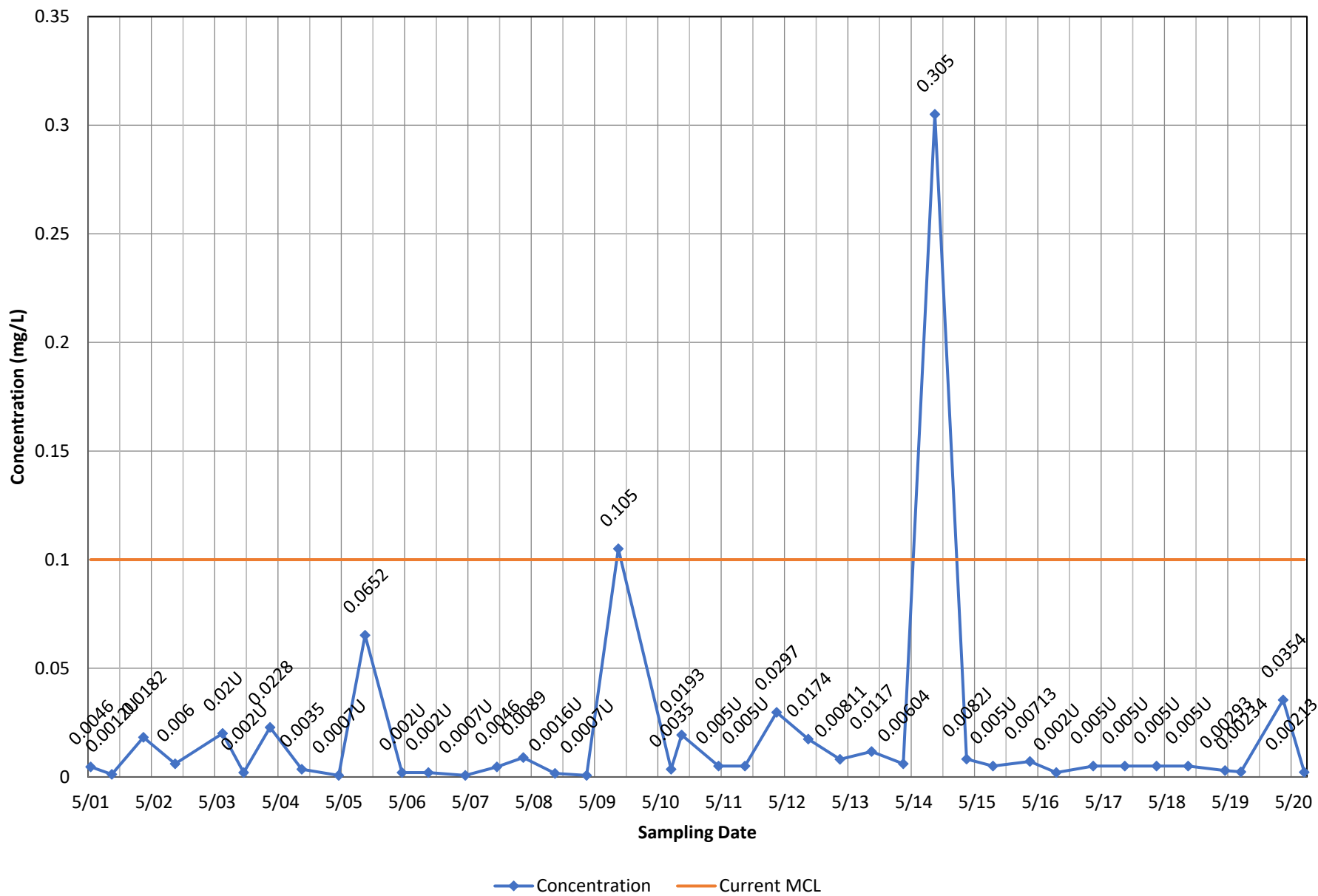
◆ Concentration    — Current MCL

### Monitoring Well OB025 - Cadmium, total

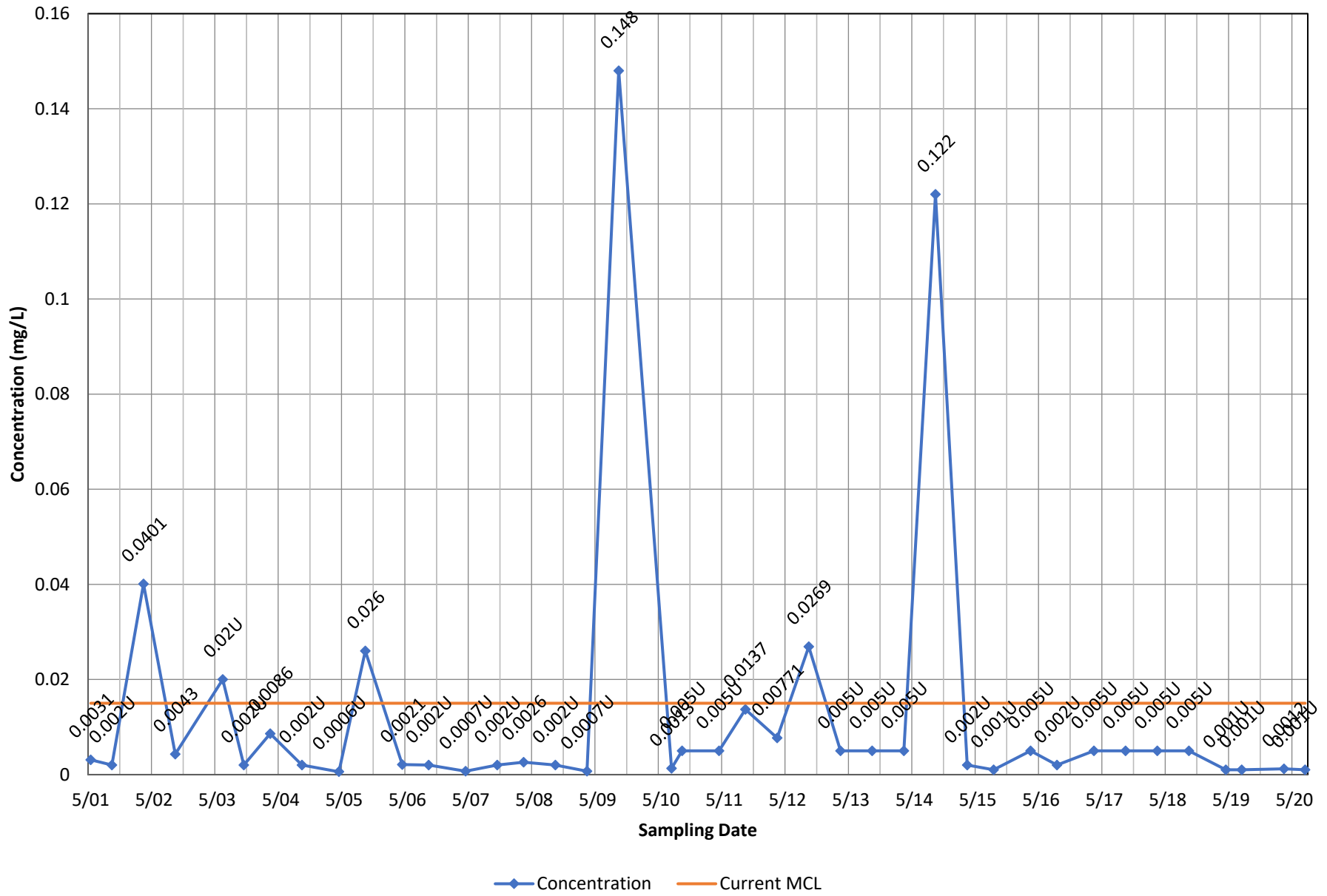


◆ Concentration    — Current MCL

### Monitoring Well OB025 - Chromium, total

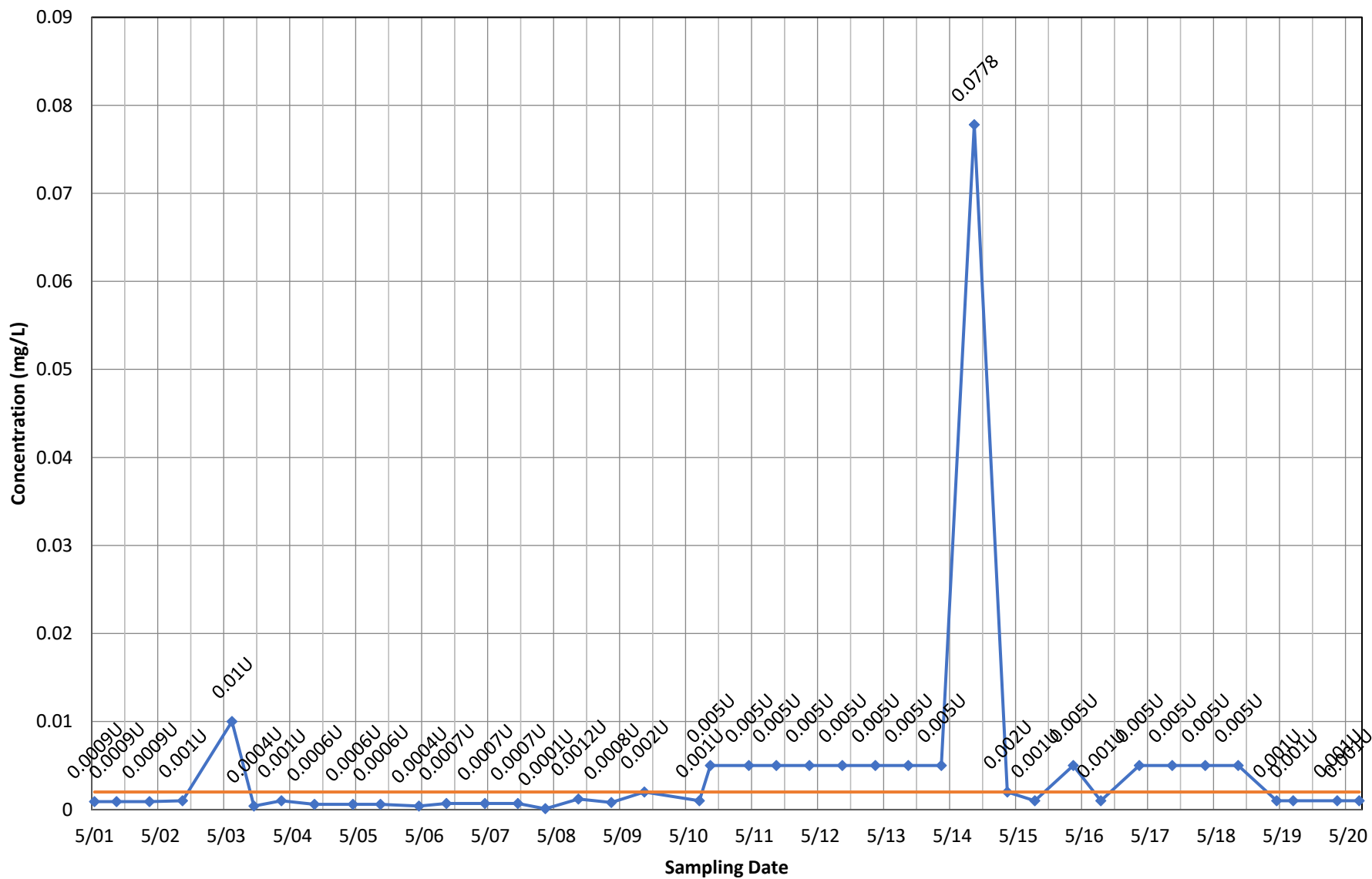


# Monitoring Well OB025 - Lead, total



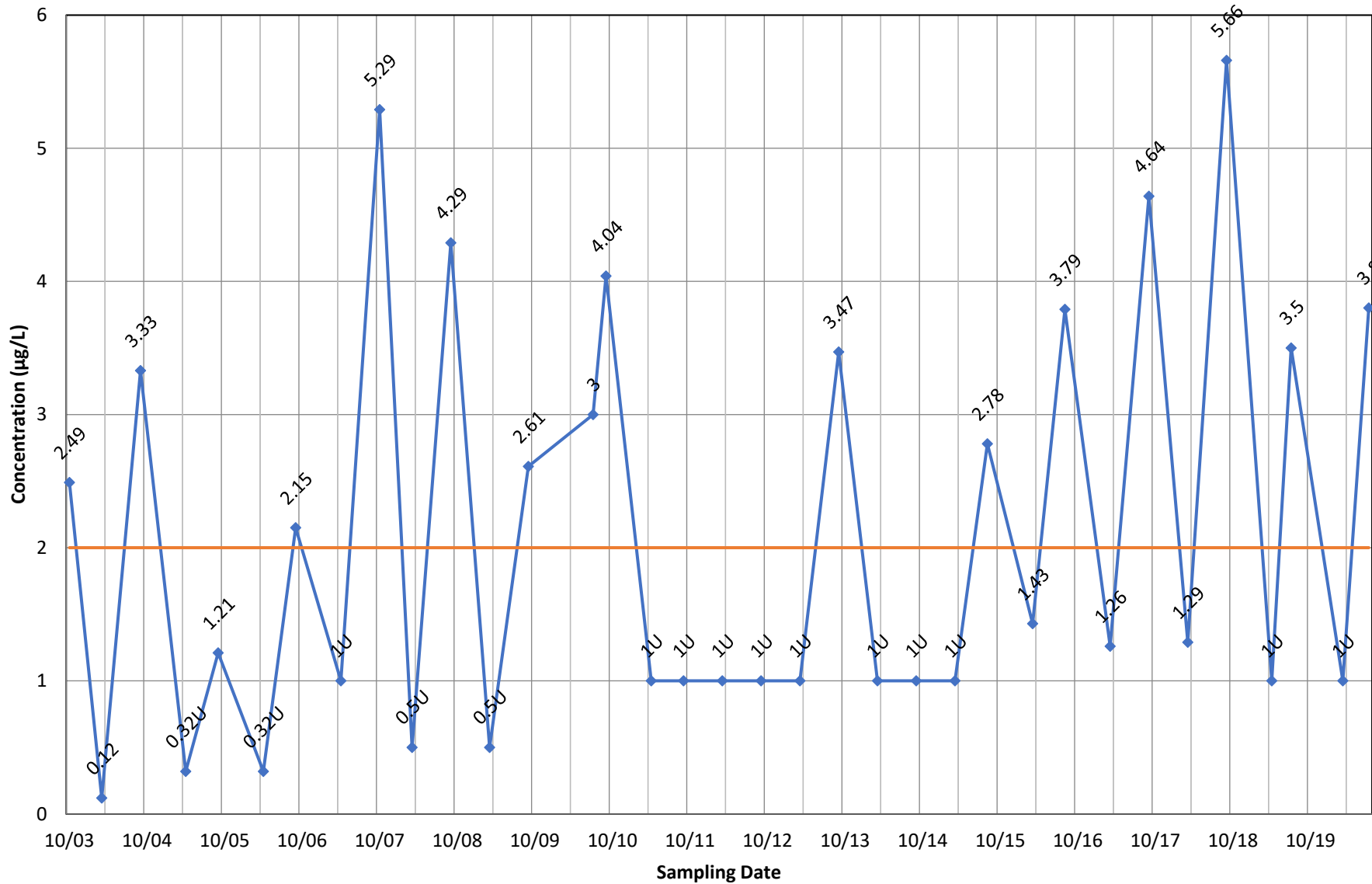


### Monitoring Well OB025 - Thallium, total



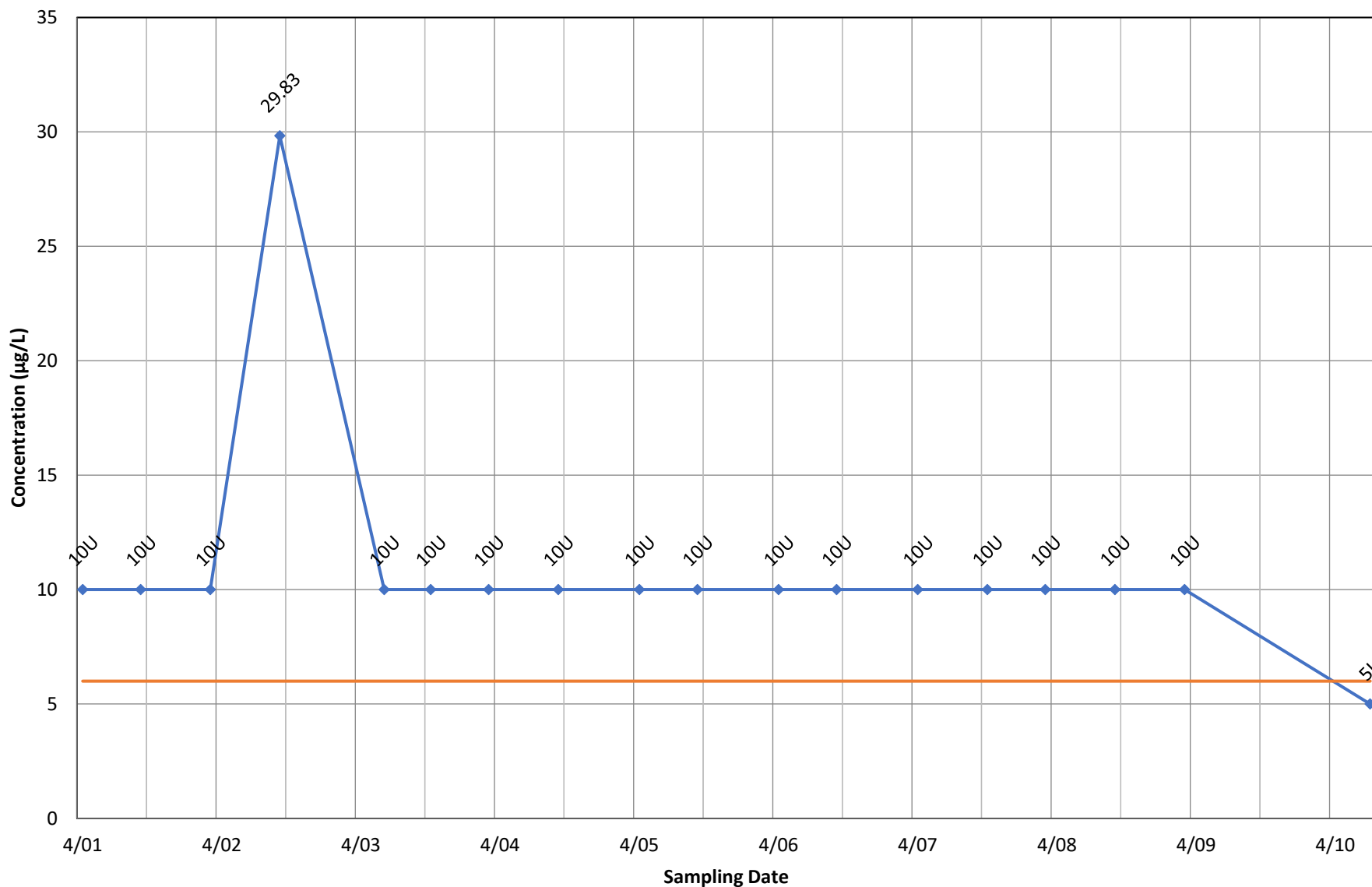
◆ Concentration    — Current MCL

### Monitoring Well OB025 - Vinyl Chloride



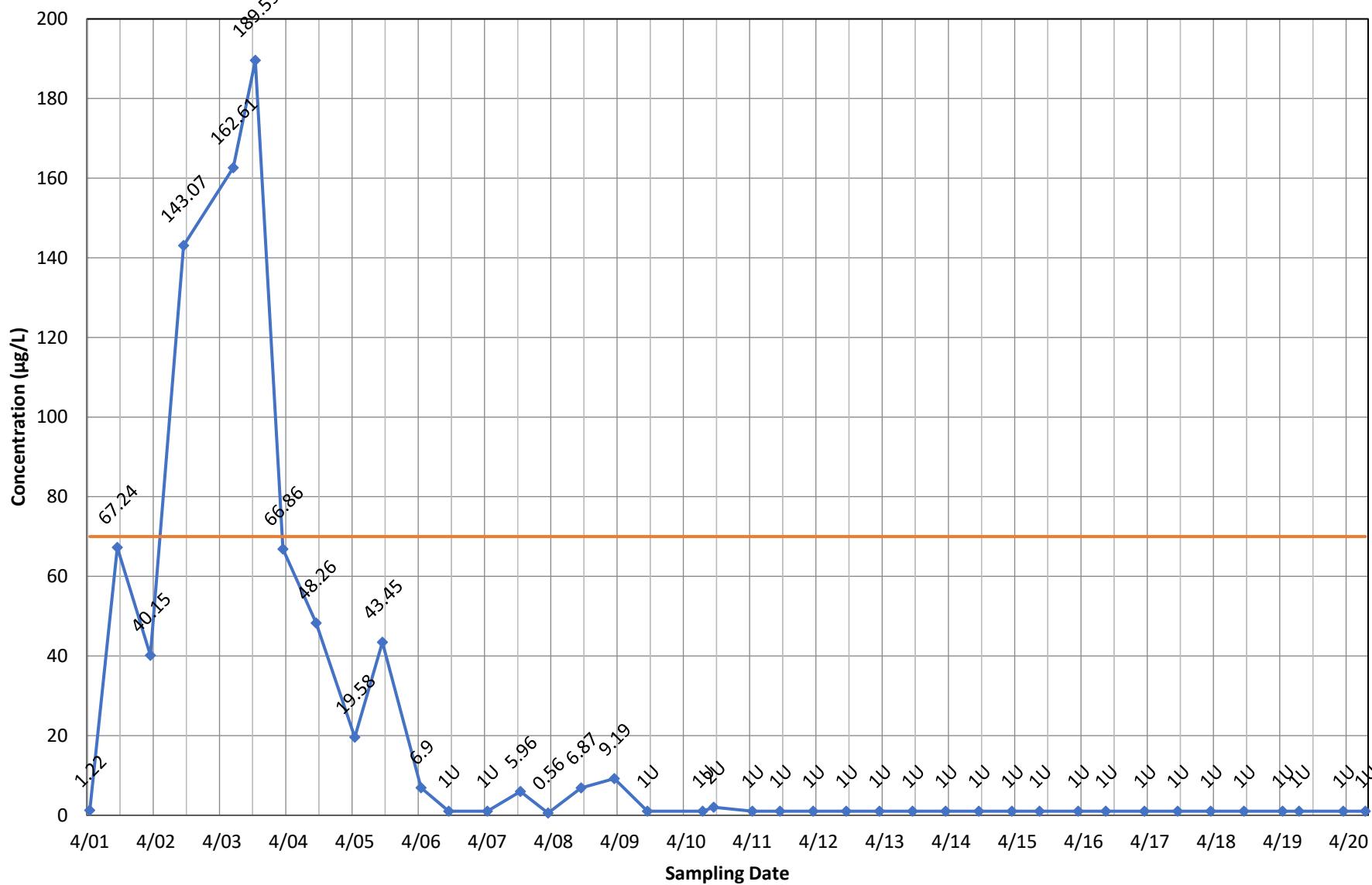
◆ Concentration    — Current MCL

### Monitoring Well OB02A - Bis(2-Ethylhexyl) Phthalate



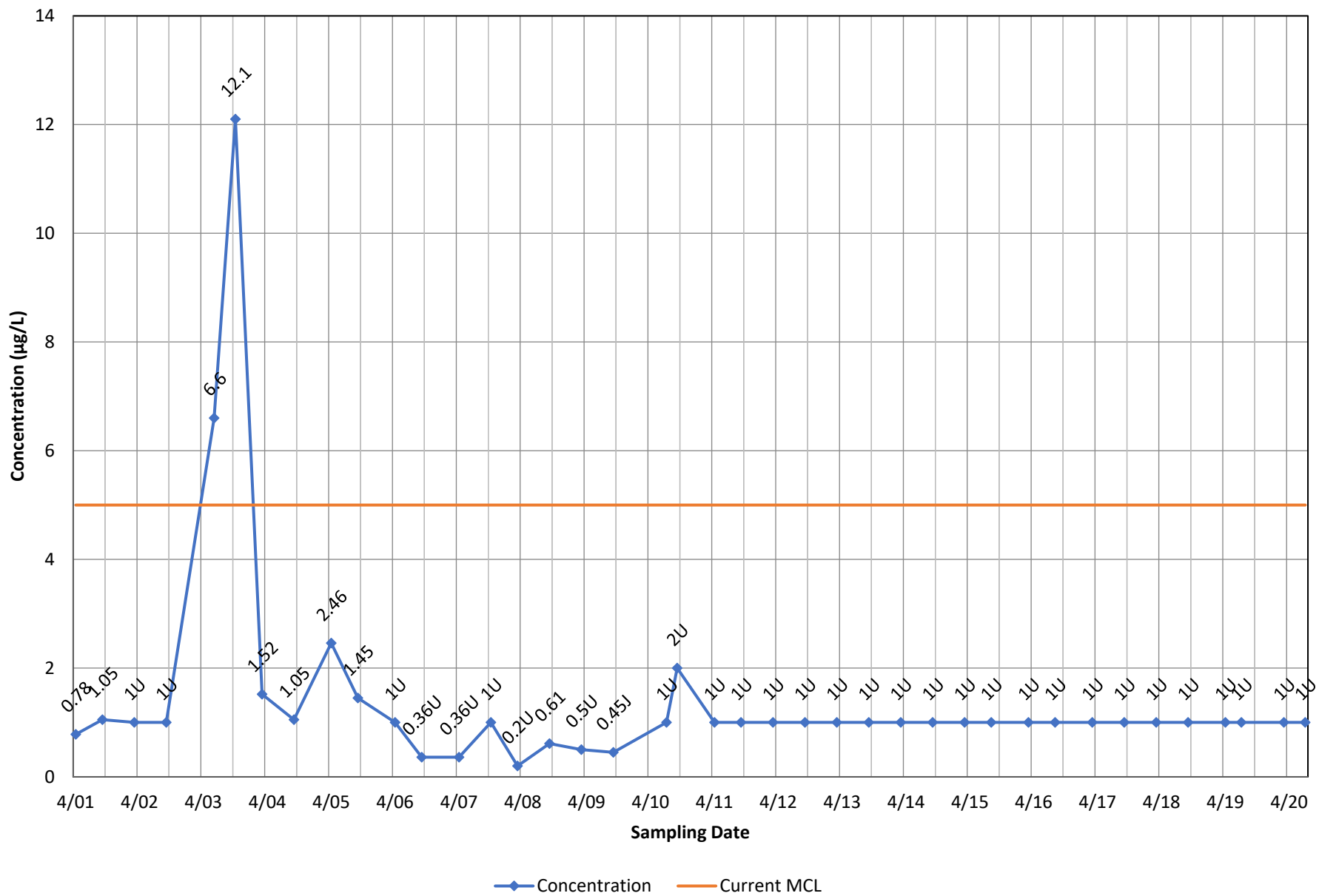
◆ Concentration    — Current MCL

### Monitoring Well OB02A - cis-1,2-Dichloroethene

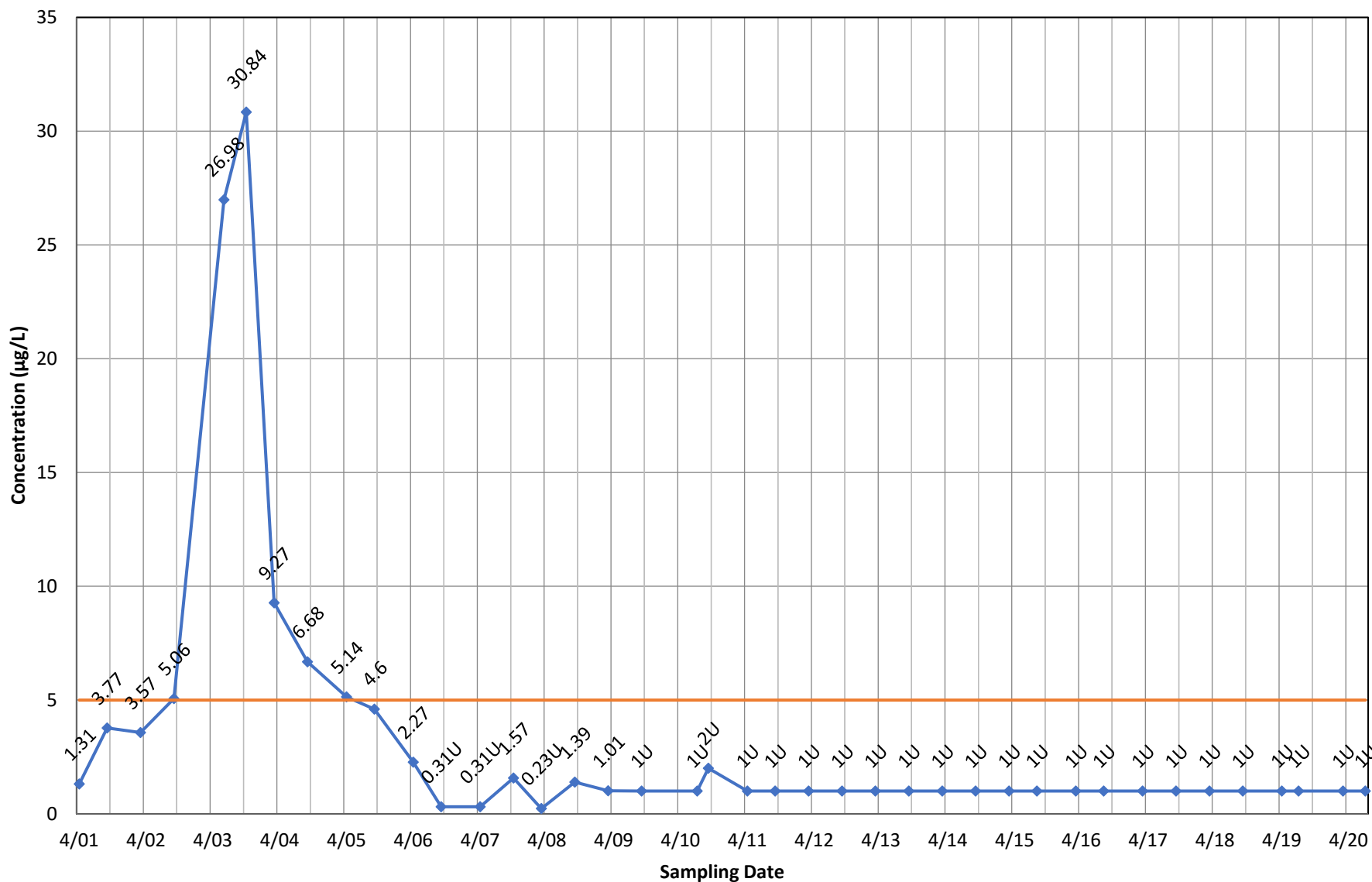


◆ Concentration    — Current MCL

### Monitoring Well OB02A - Tetrachloroethene

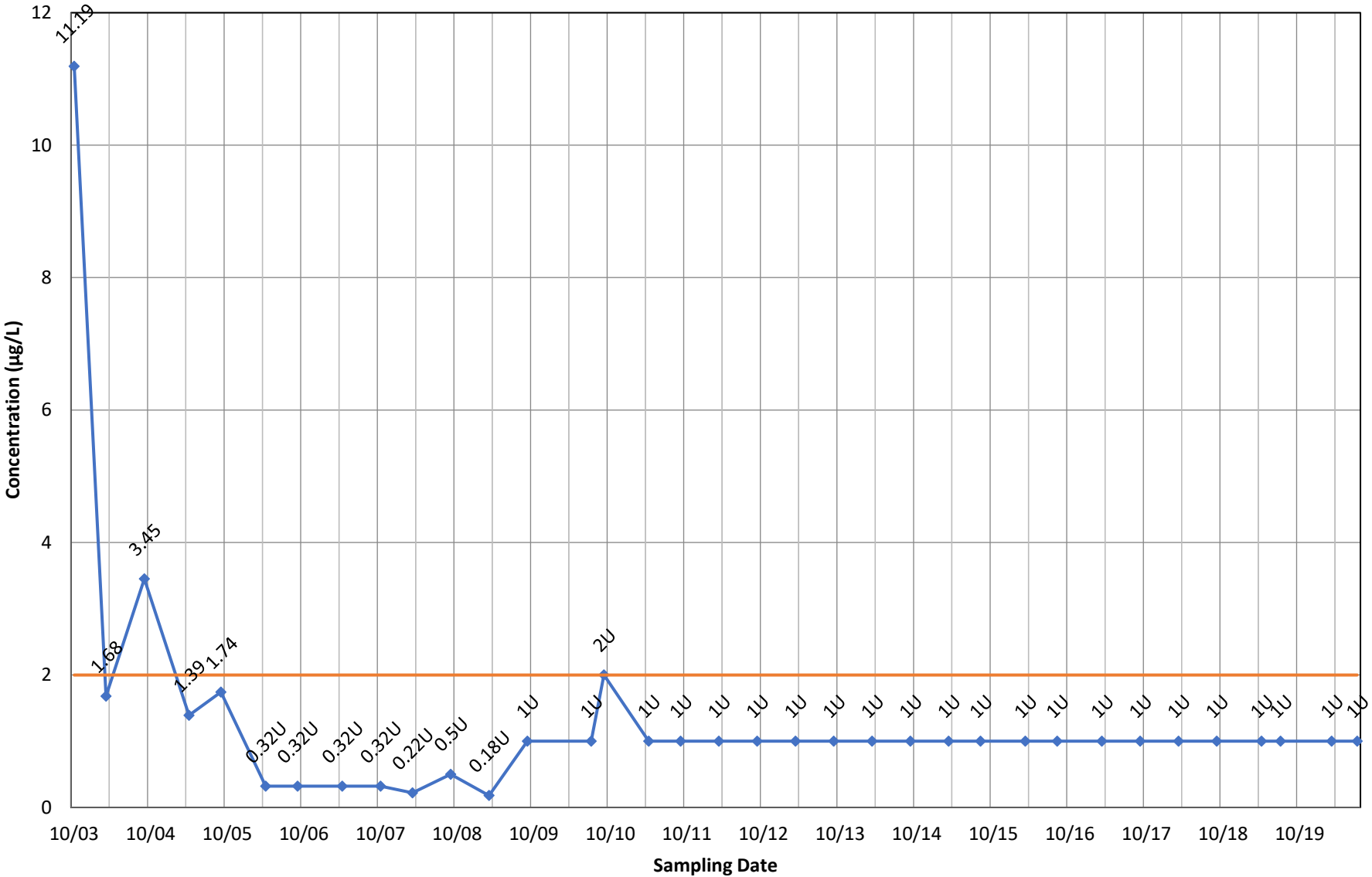


### Monitoring Well OB02A - Trichloroethene



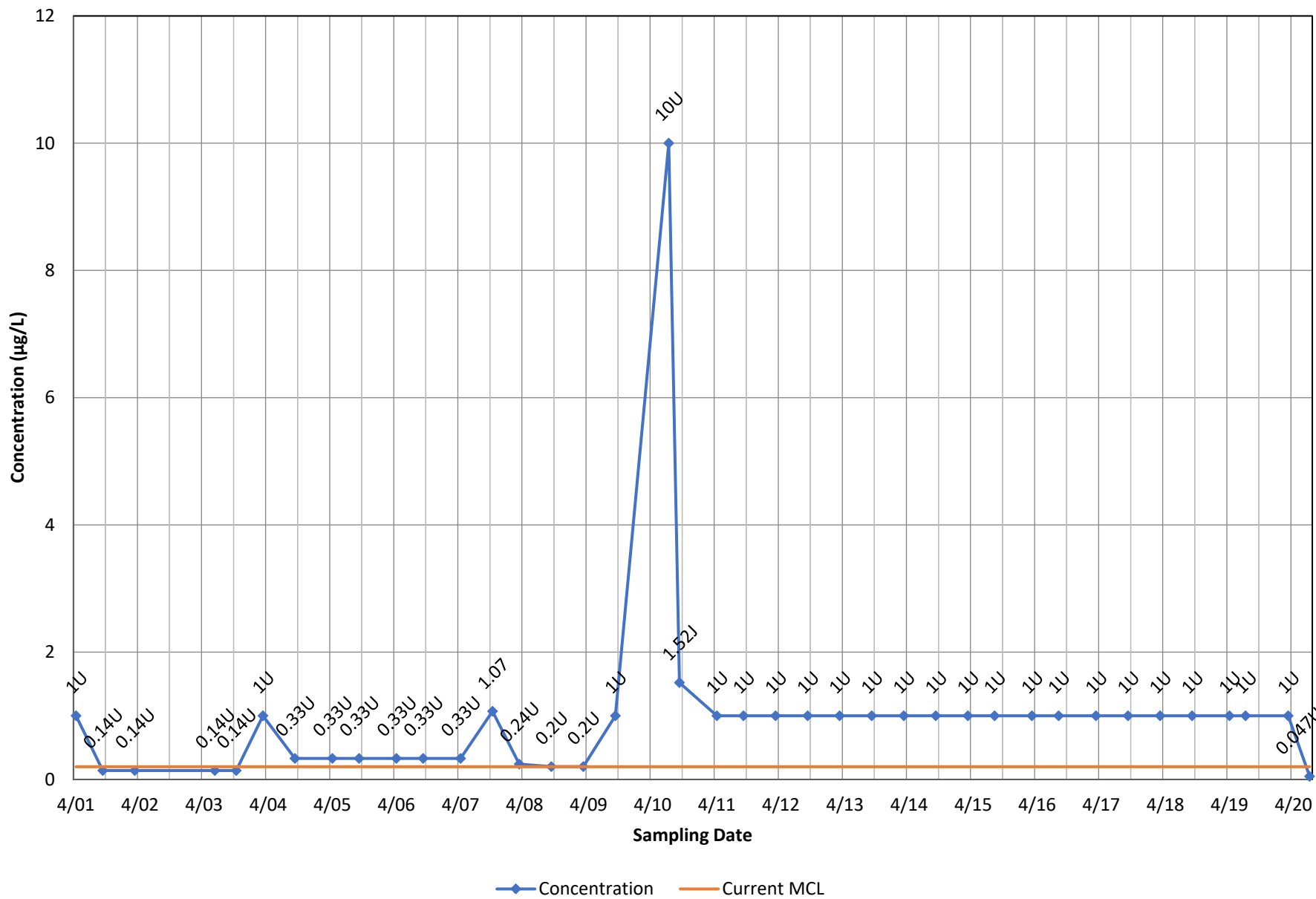
◆ Concentration    — Current MCL

### Monitoring Well OB02A - Vinyl Chloride



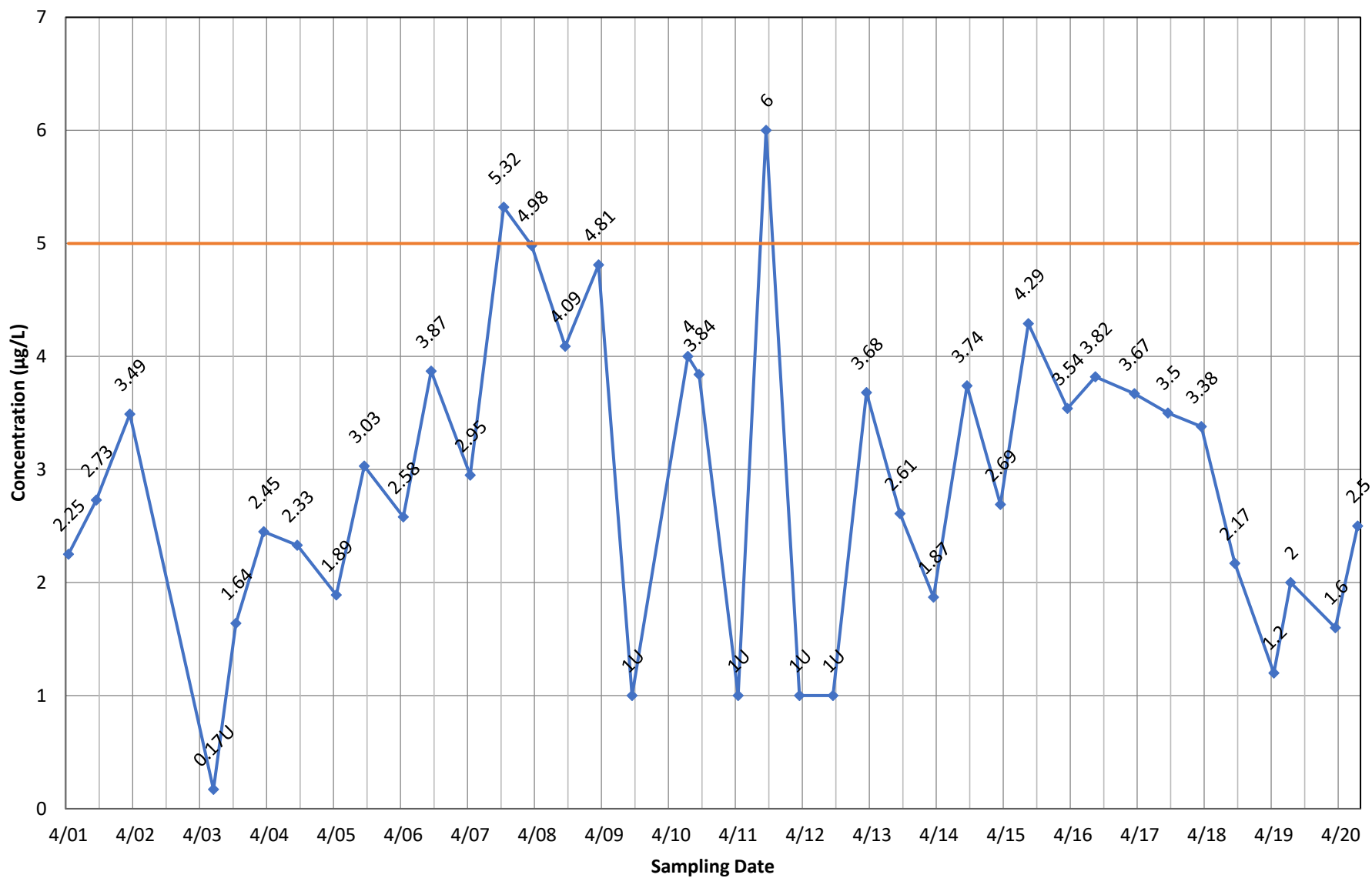
◆ Concentration    — Current MCL

# Monitoring Well OB03 - 1,2-Dibromo-3-chloropropane



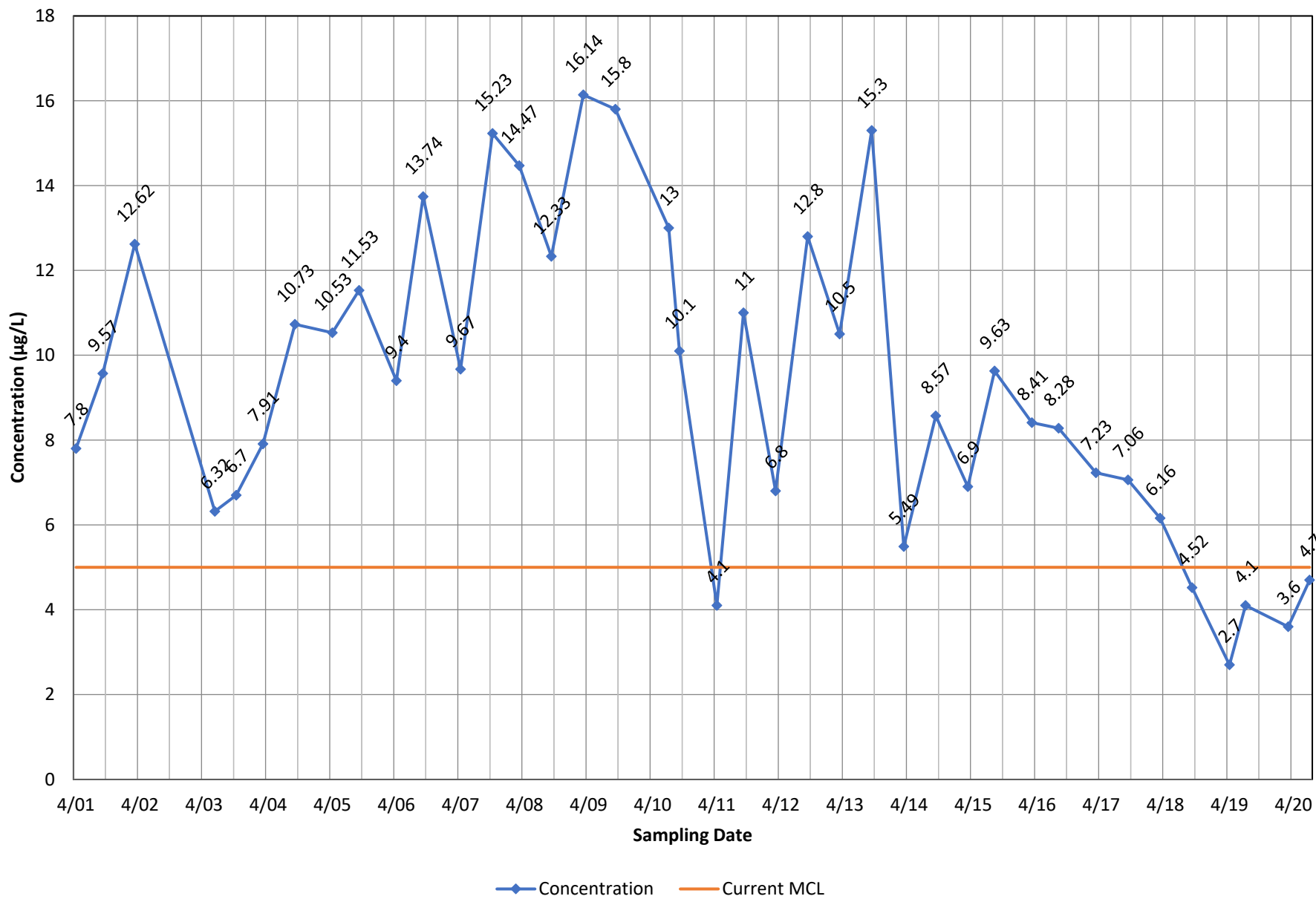


### Monitoring Well OB03 - 1,2-Dichloroethane

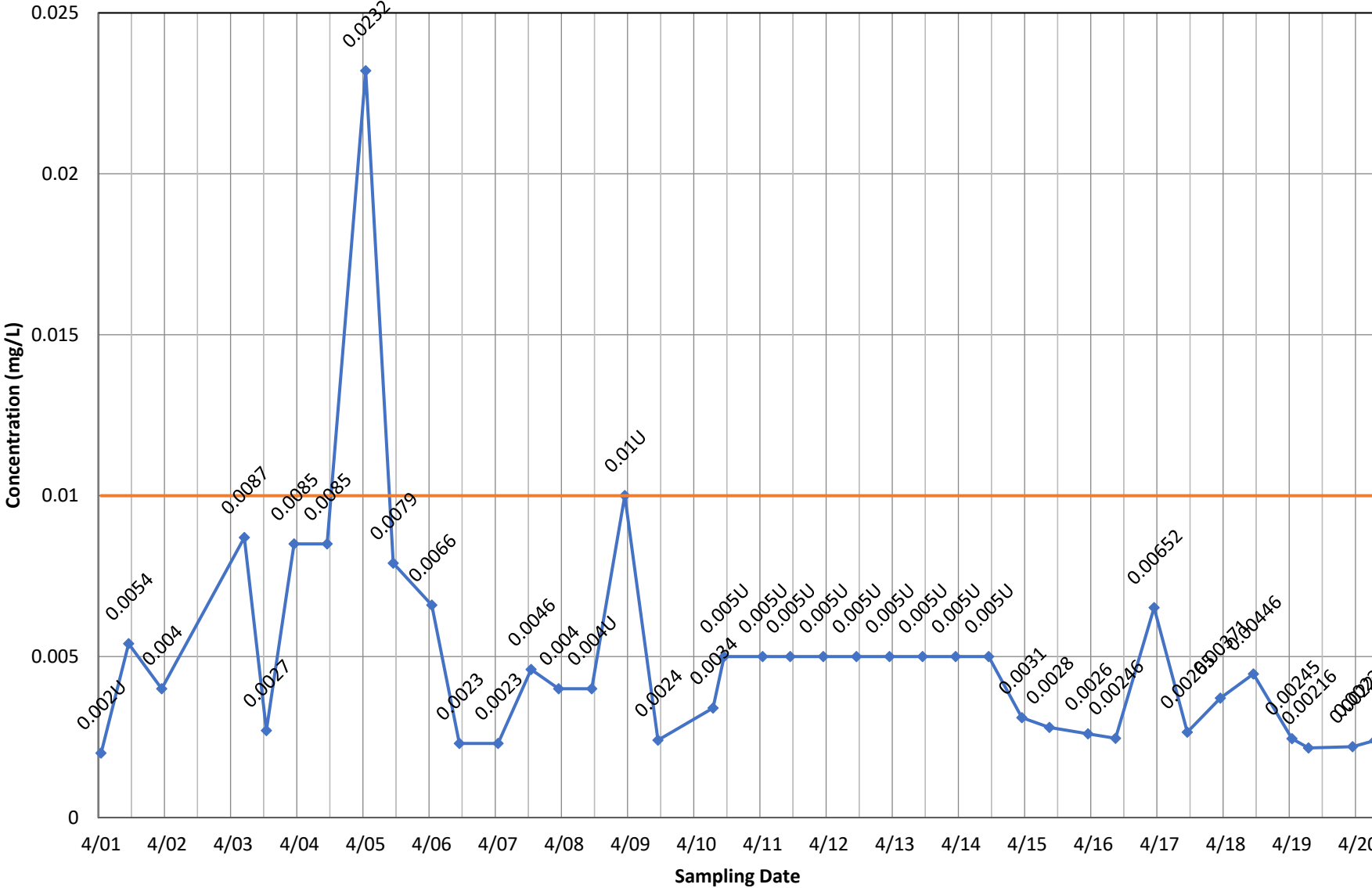


◆ Concentration    — Current MCL

### Monitoring Well OB03 - 1,2-Dichloropropane

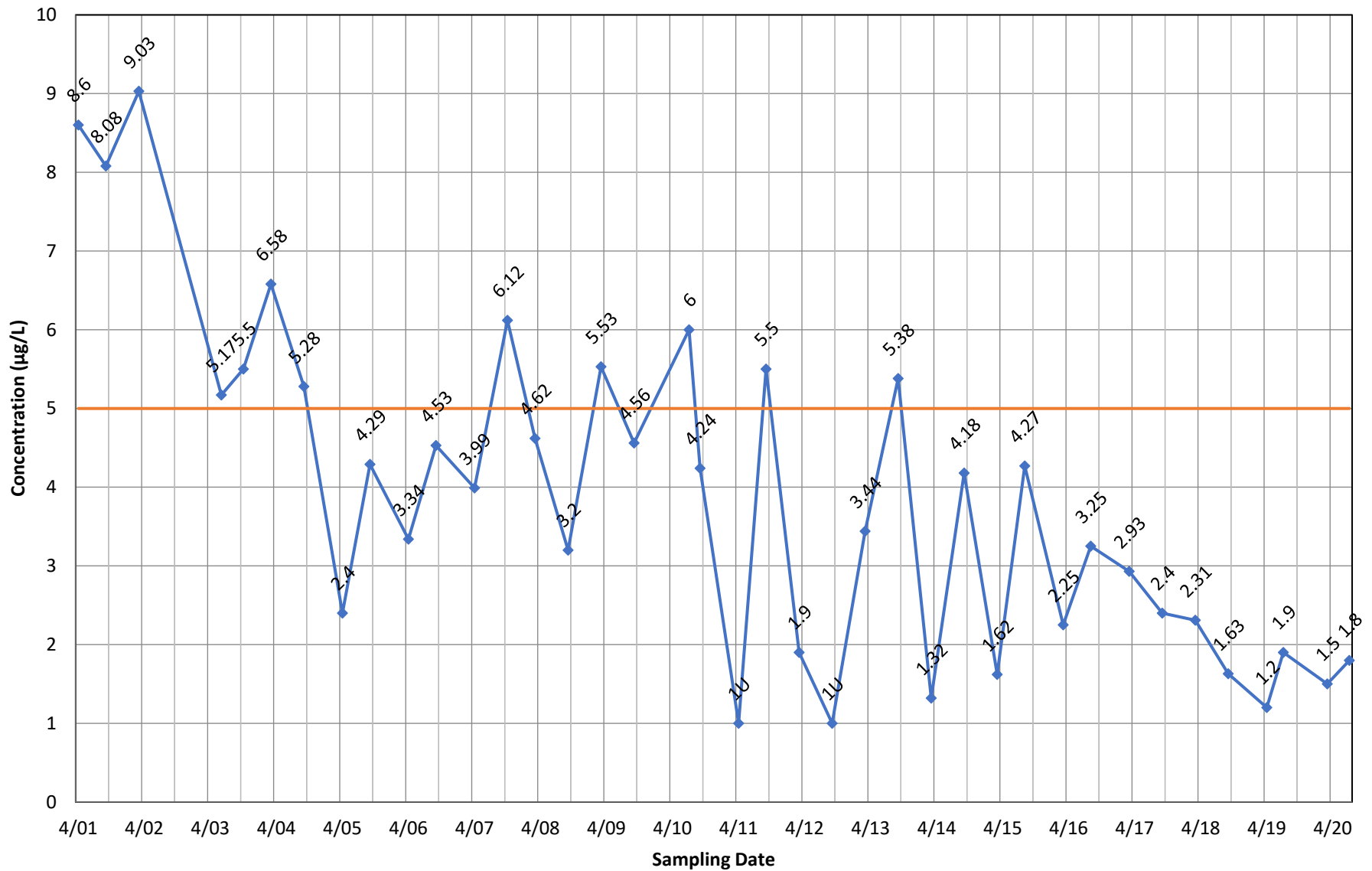


### Monitoring Well OB03 - Arsenic, total



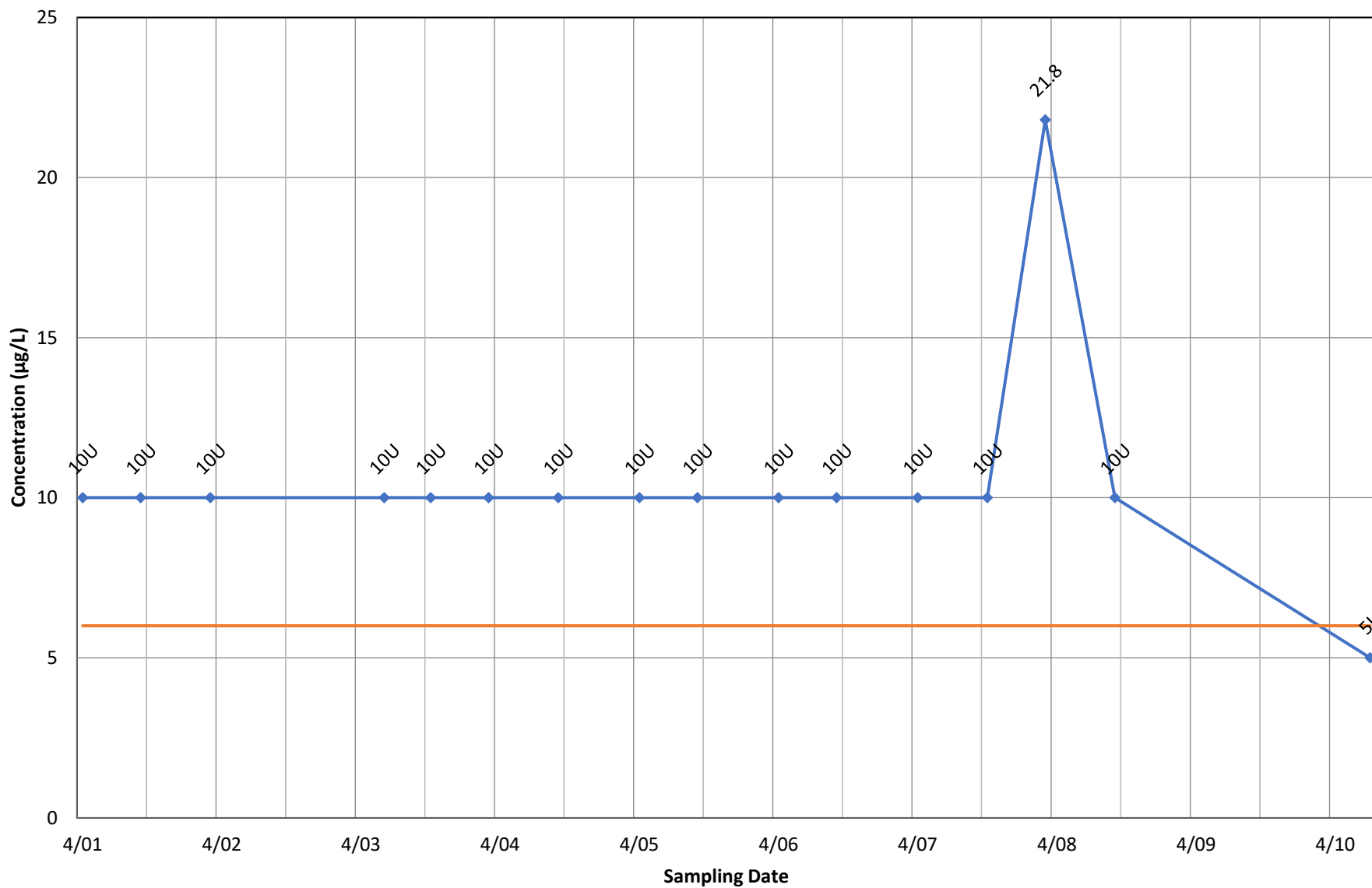
◆ Concentration    — Current MCL

# Monitoring Well OB03 - Benzene



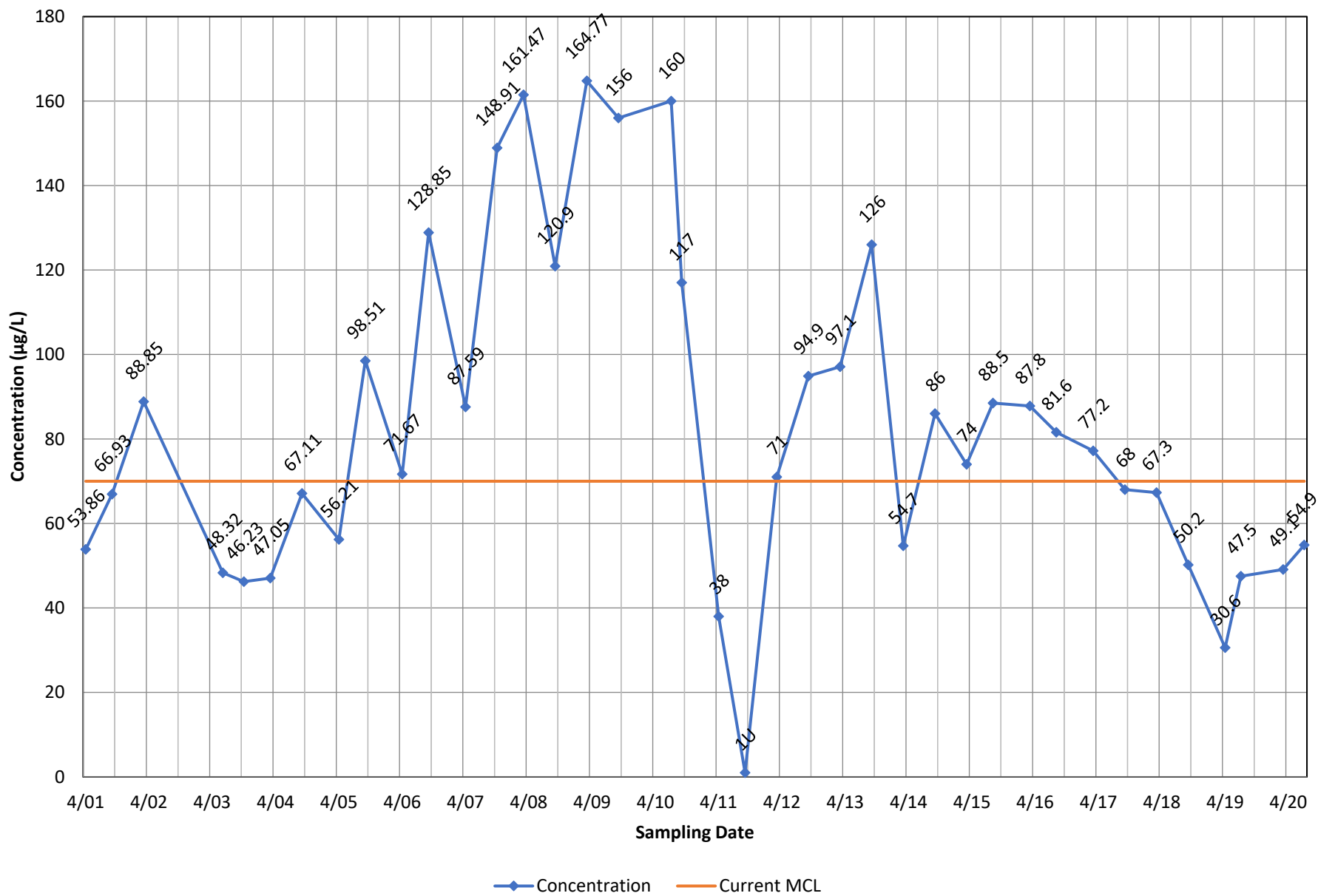
◆ Concentration    — Current MCL

### Monitoring Well OB03 - Bis(2-Ethylhexyl) Phthalate

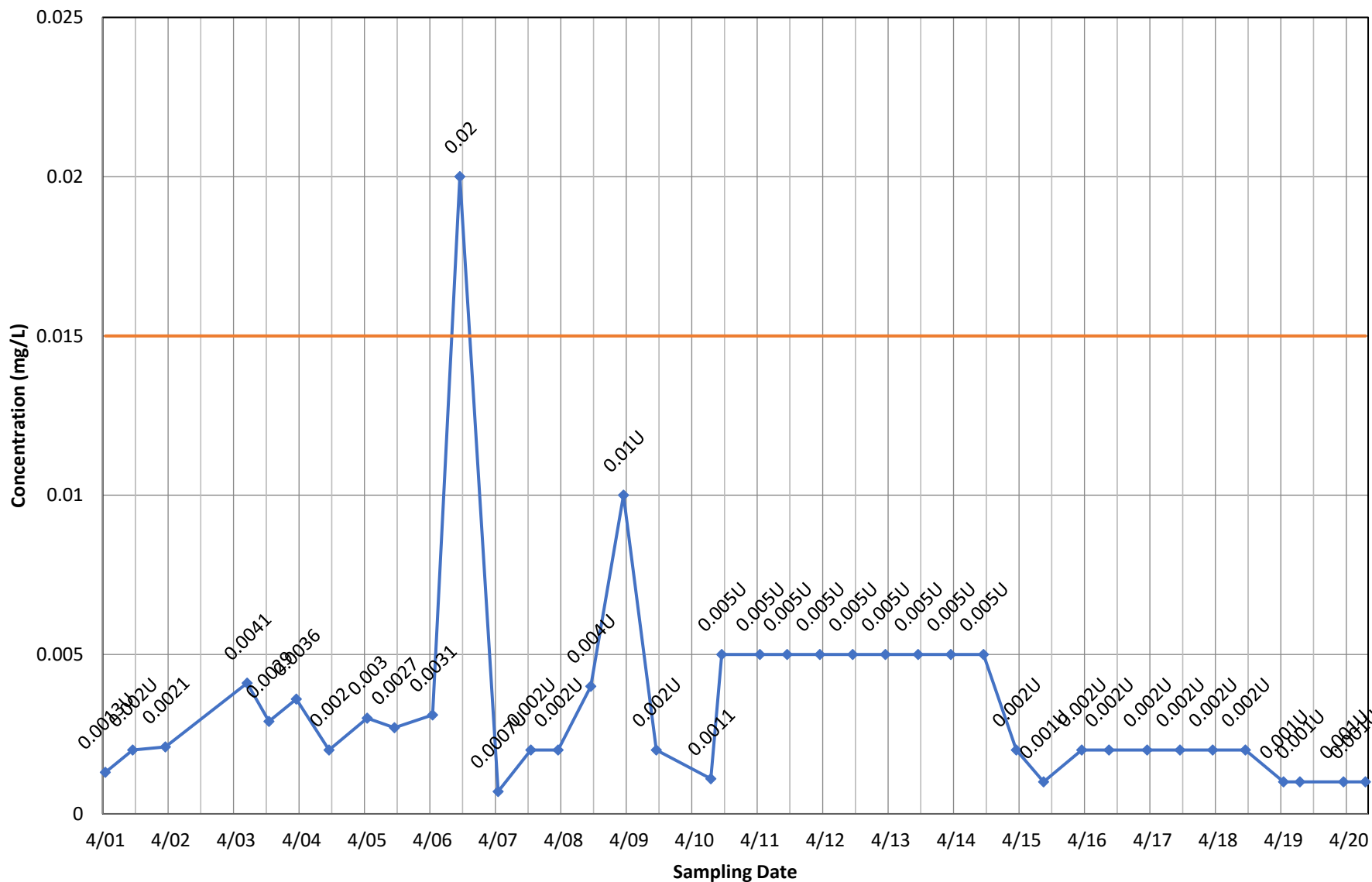


◆ Concentration    — Current MCL

### Monitoring Well OB03 - cis-1,2-Dichloroethene

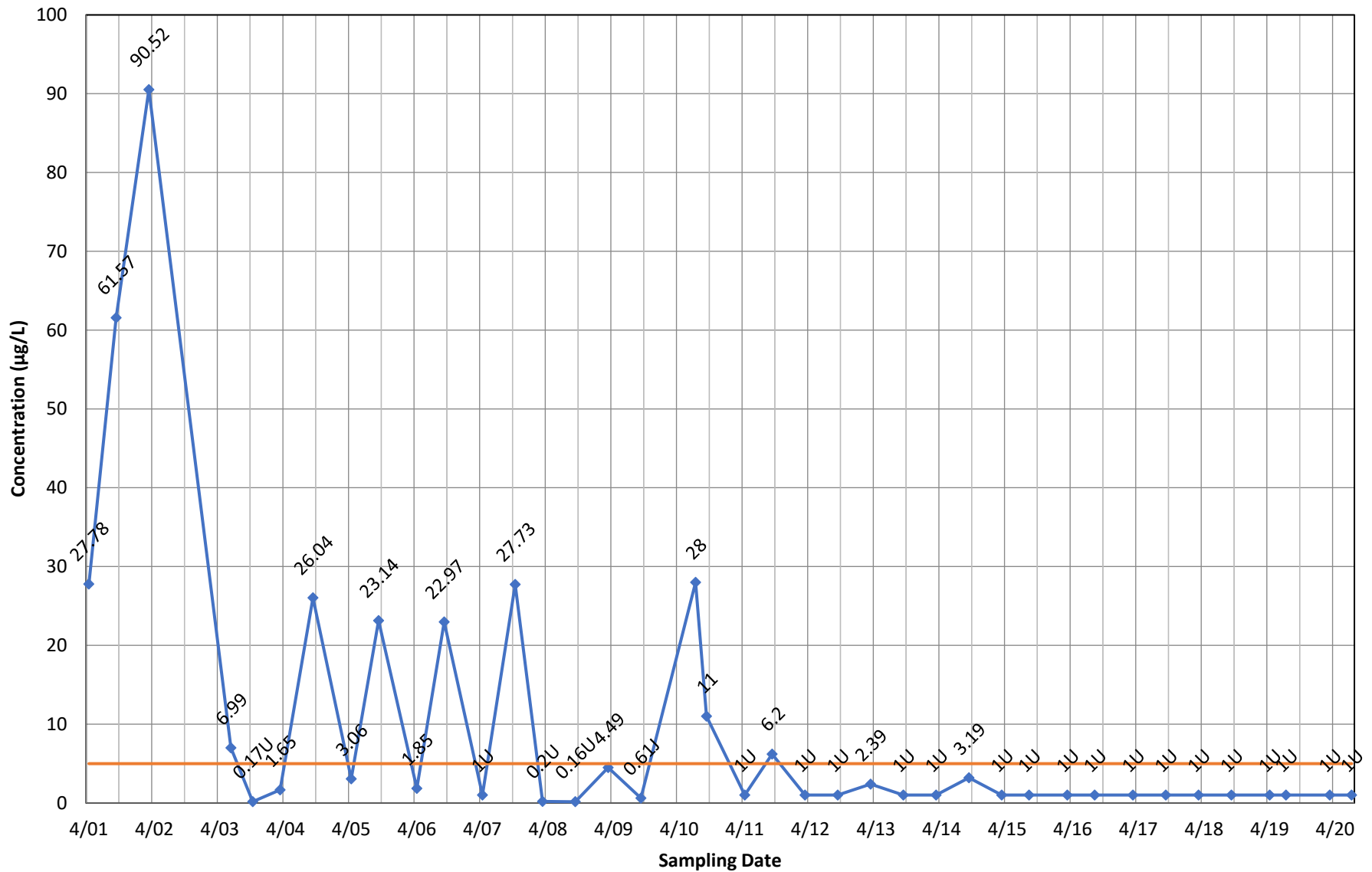


### Monitoring Well OB03 - Lead, total



◆ Concentration    — Current MCL

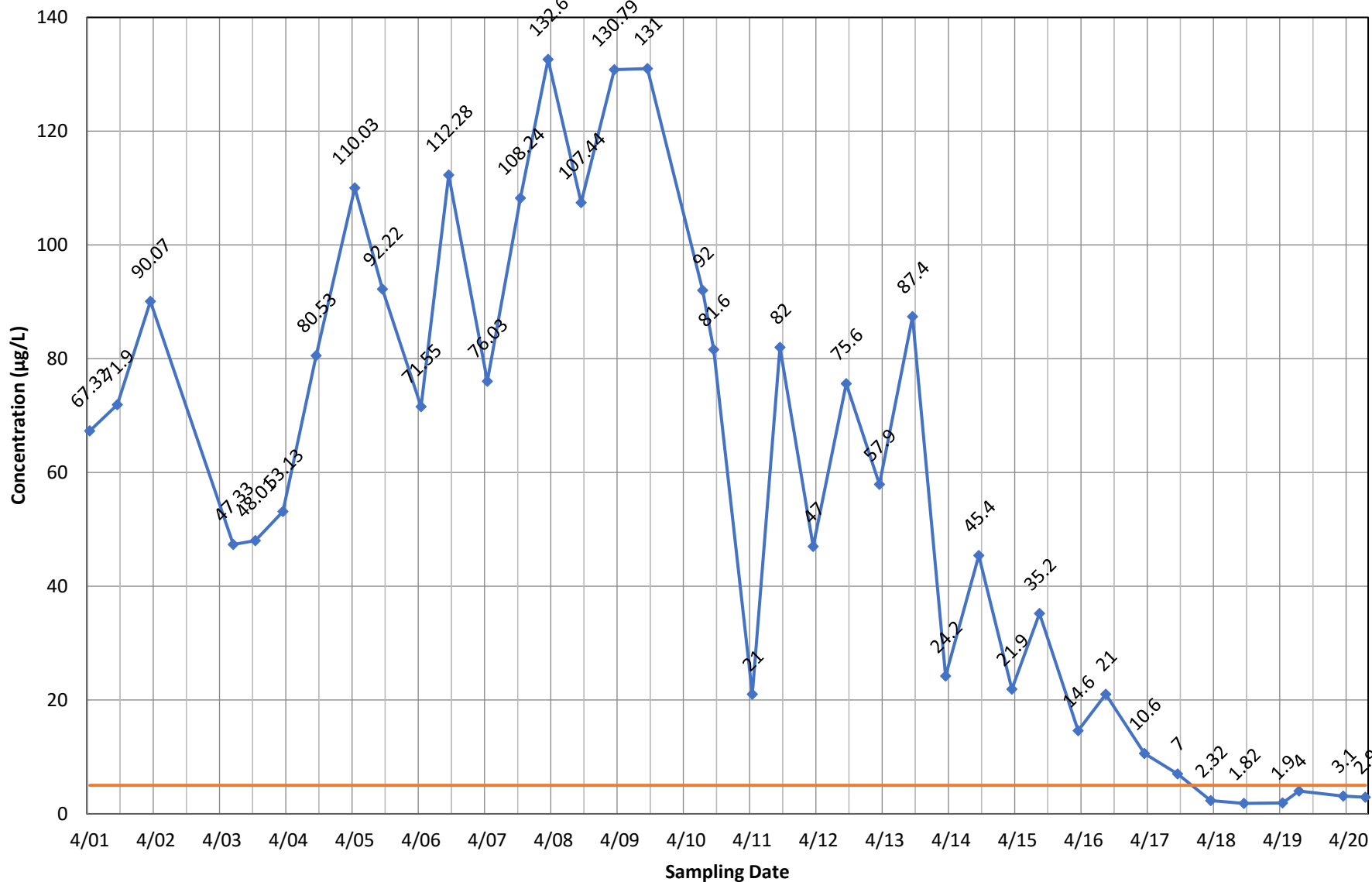
# Monitoring Well OB03 - Tetrachloroethene



◆ Concentration    — Current MCL

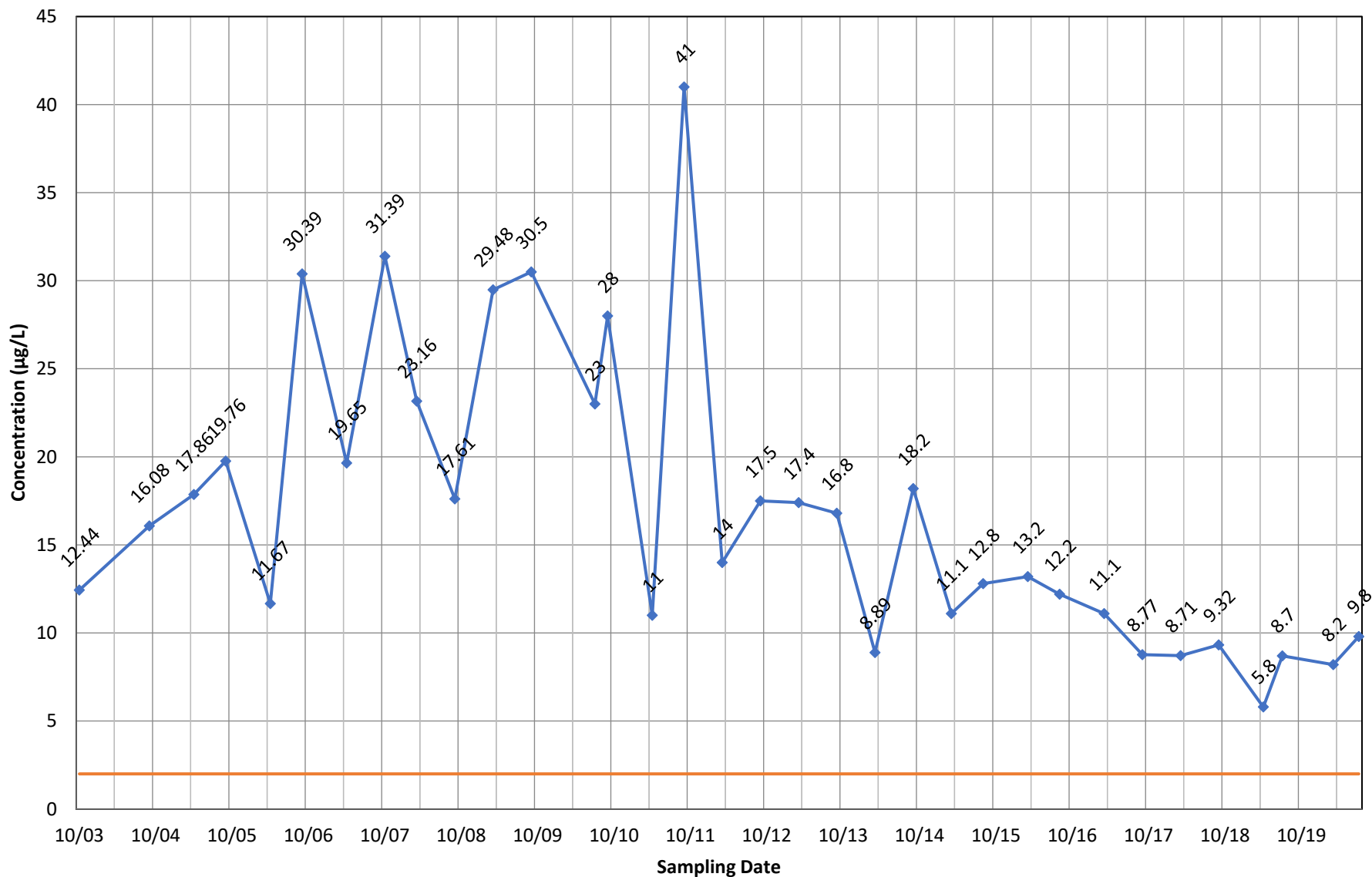


### Monitoring Well OB03 - Trichloroethene



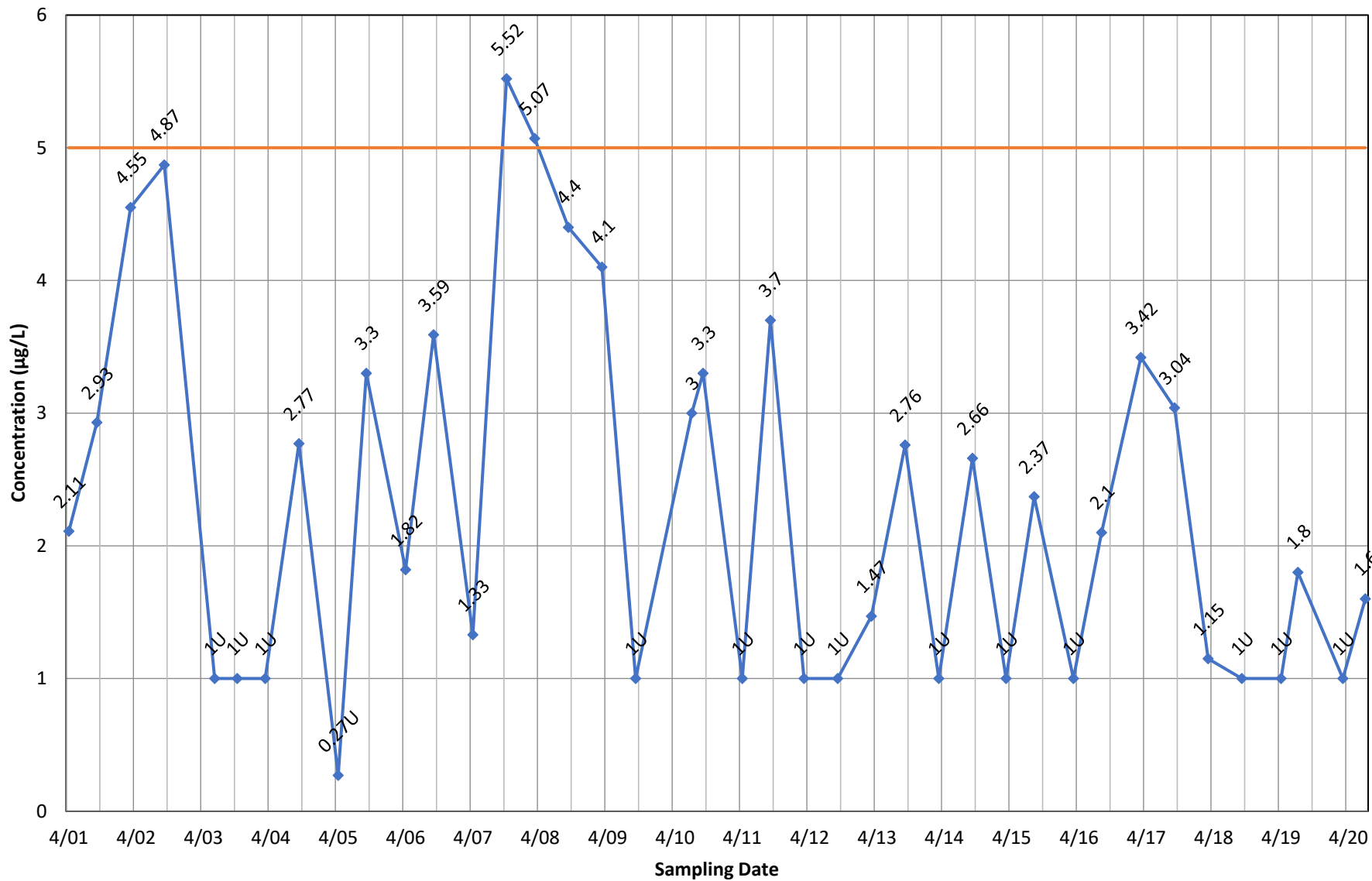
◆ Concentration    — Current MCL

### Monitoring Well OB03 - Vinyl Chloride



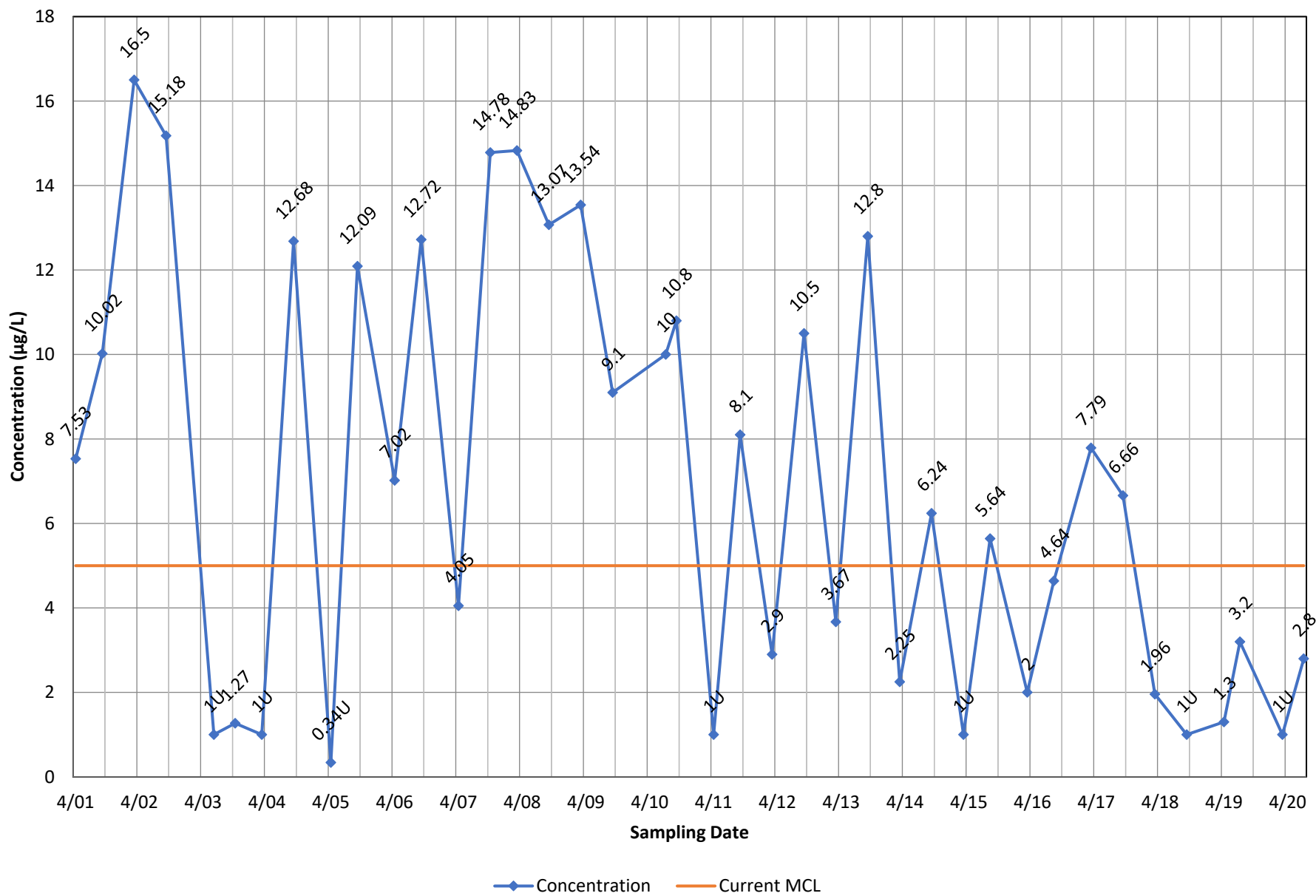
◆ Concentration    — Current MCL

### Monitoring Well OB03A - 1,2-Dichloroethane

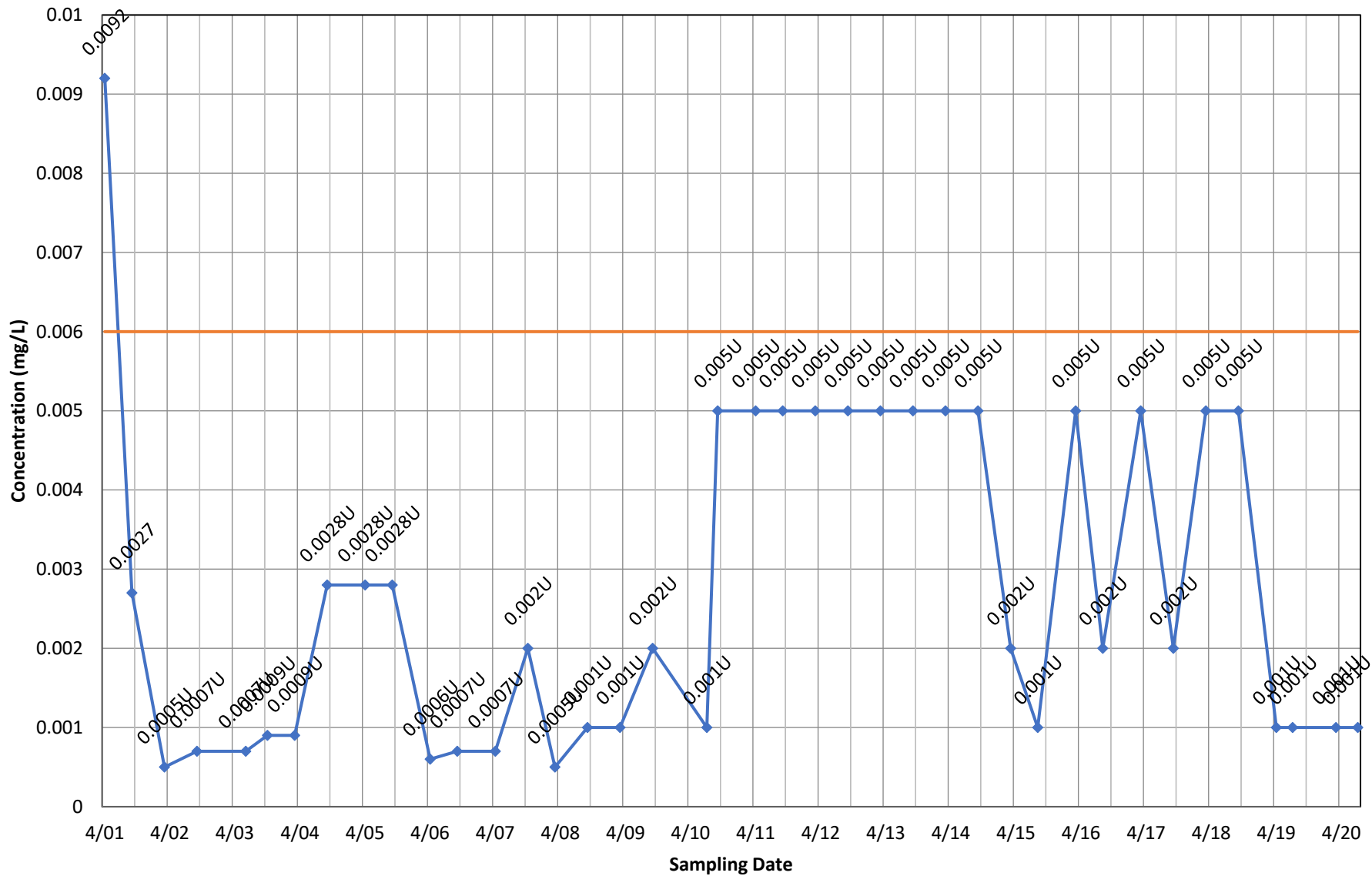


◆ Concentration    — Current MCL

# Monitoring Well OB03A - 1,2-Dichloropropane

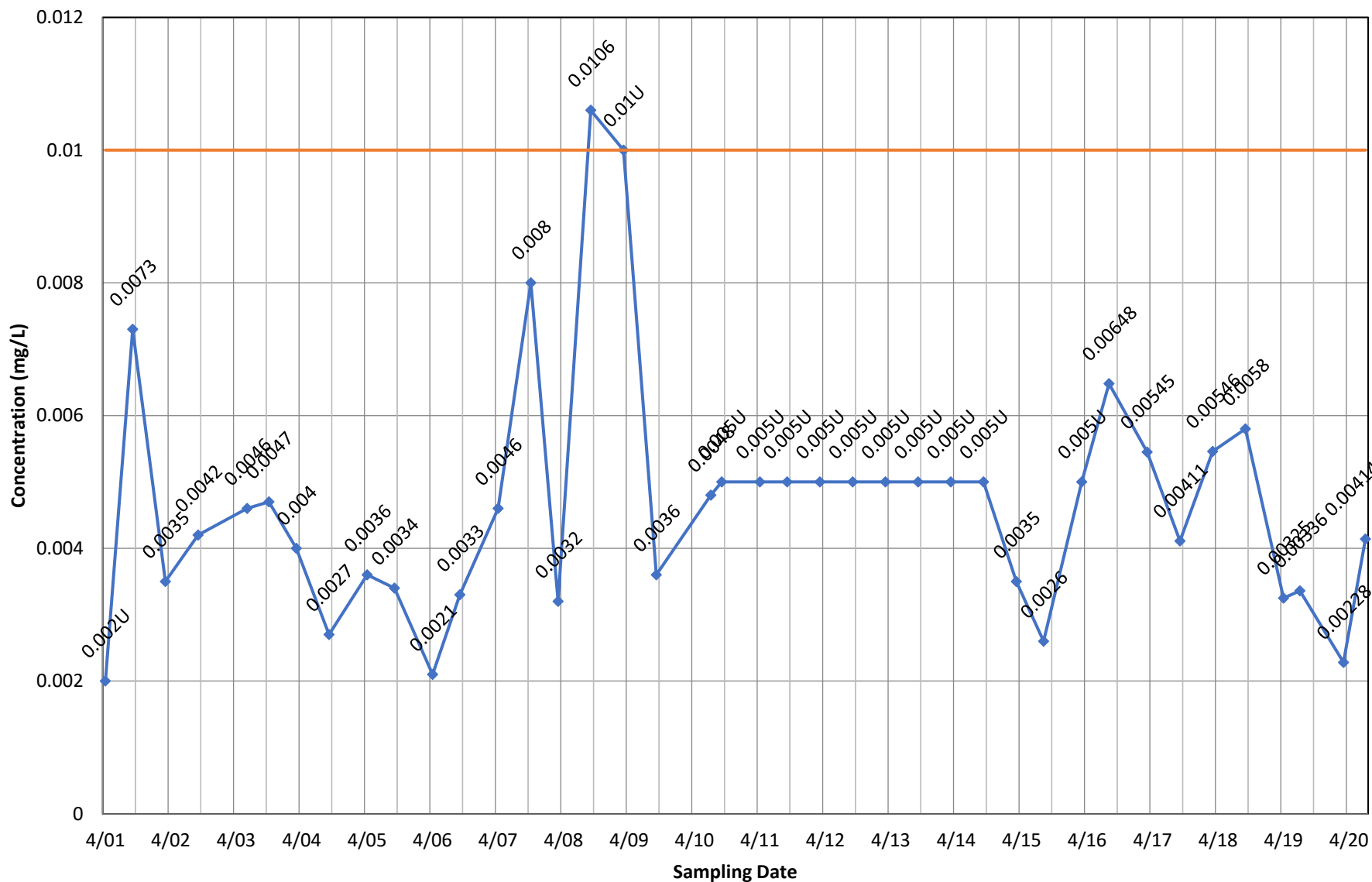


### Monitoring Well OB03A - Antimony, total



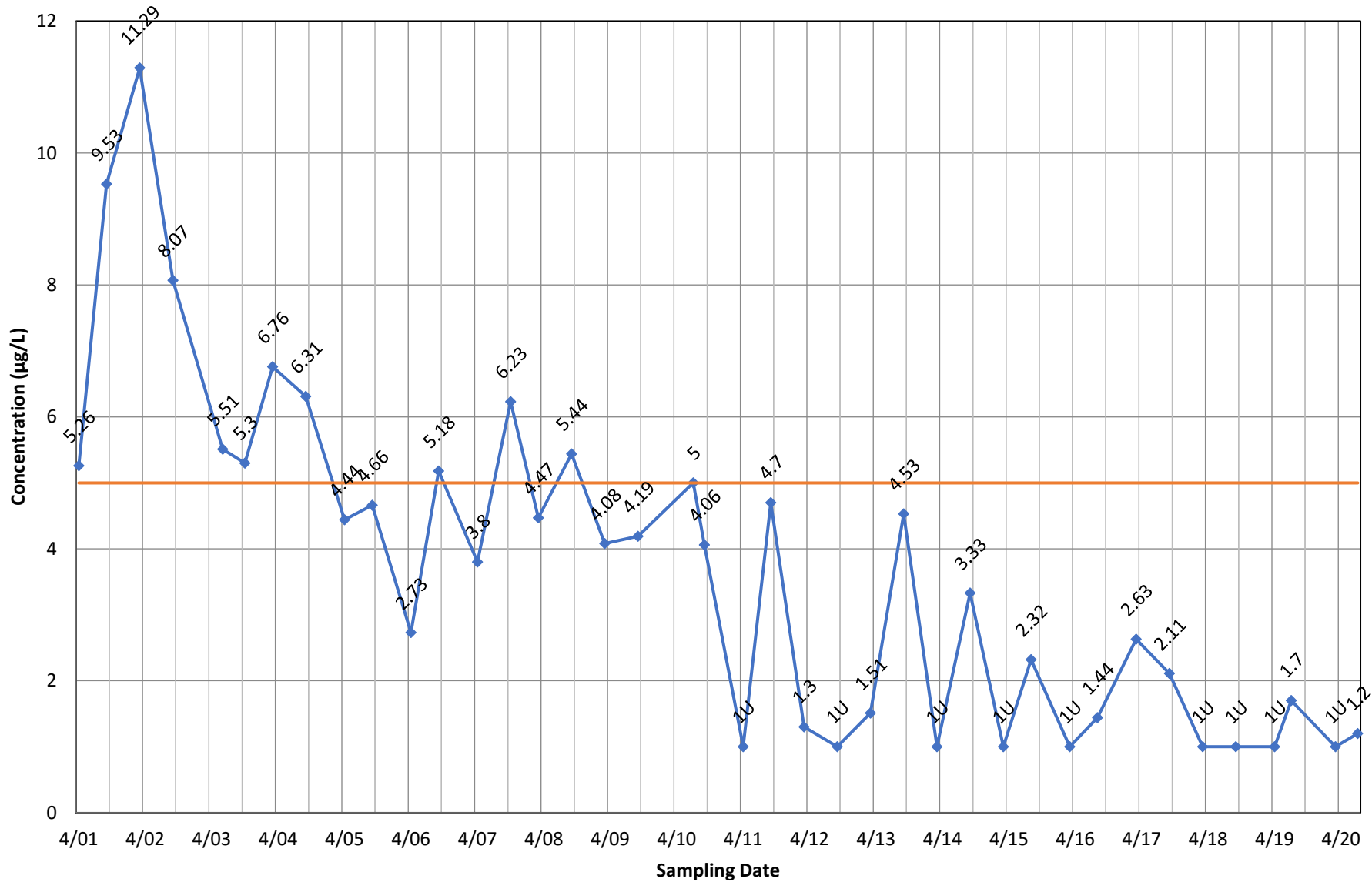
—◆— Concentration    — Current MCL

### Monitoring Well OB03A - Arsenic, total



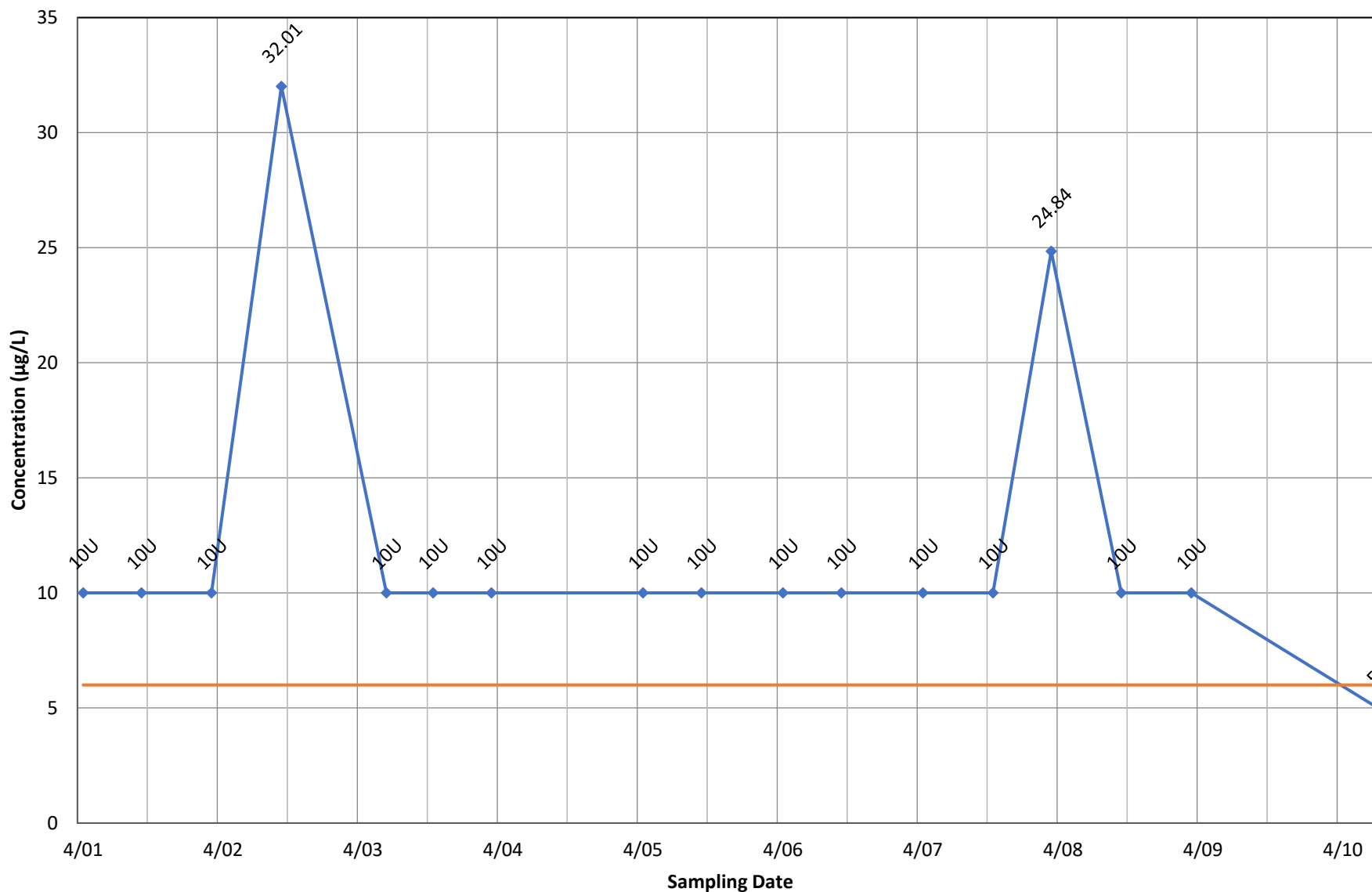
◆ Concentration    — Current MCL

### Monitoring Well OB03A - Benzene



◆ Concentration    — Current MCL

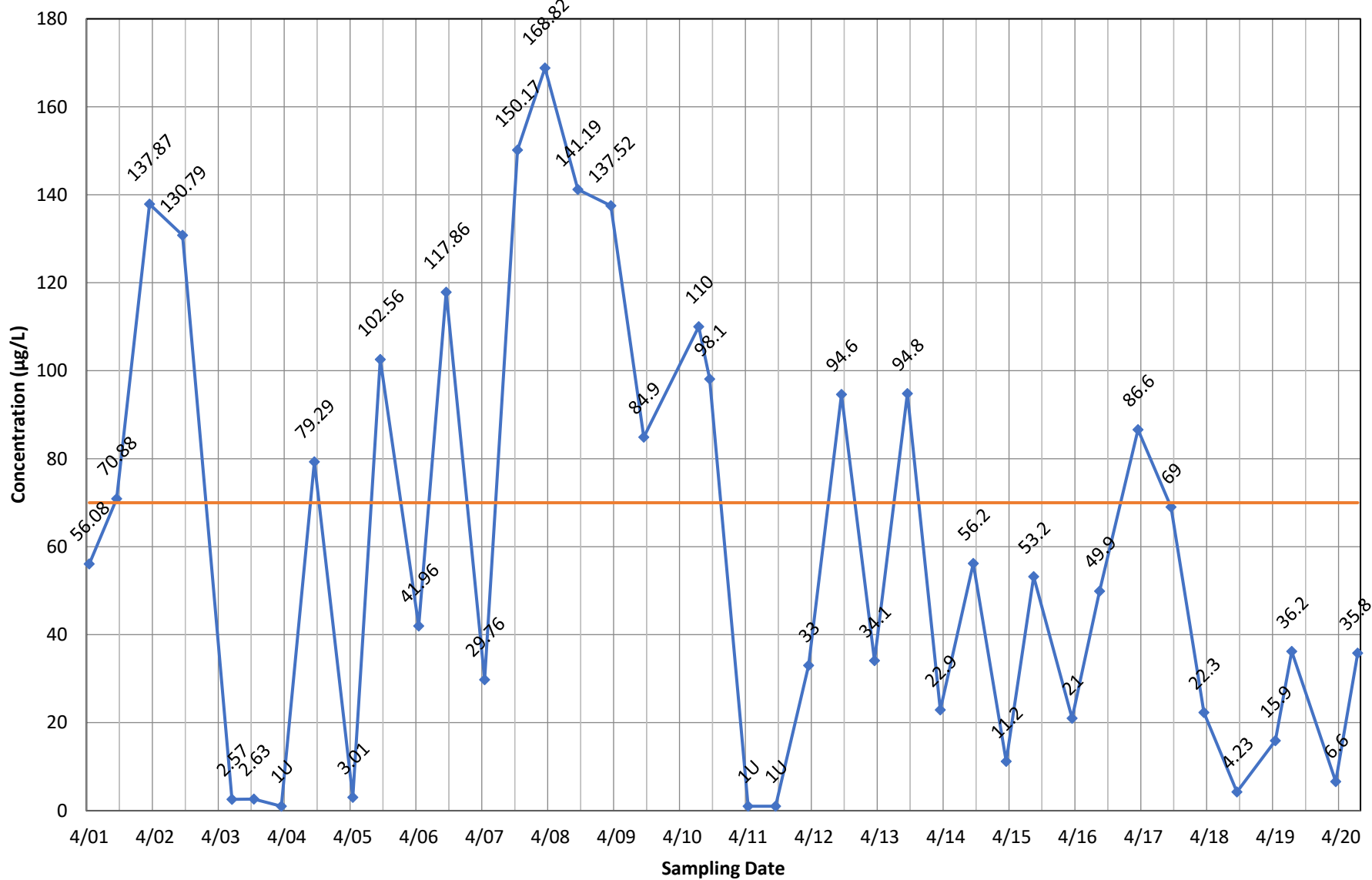
### Monitoring Well OB03A - Bis(2-Ethylhexyl) Phthalate



◆ Concentration    — Current MCL

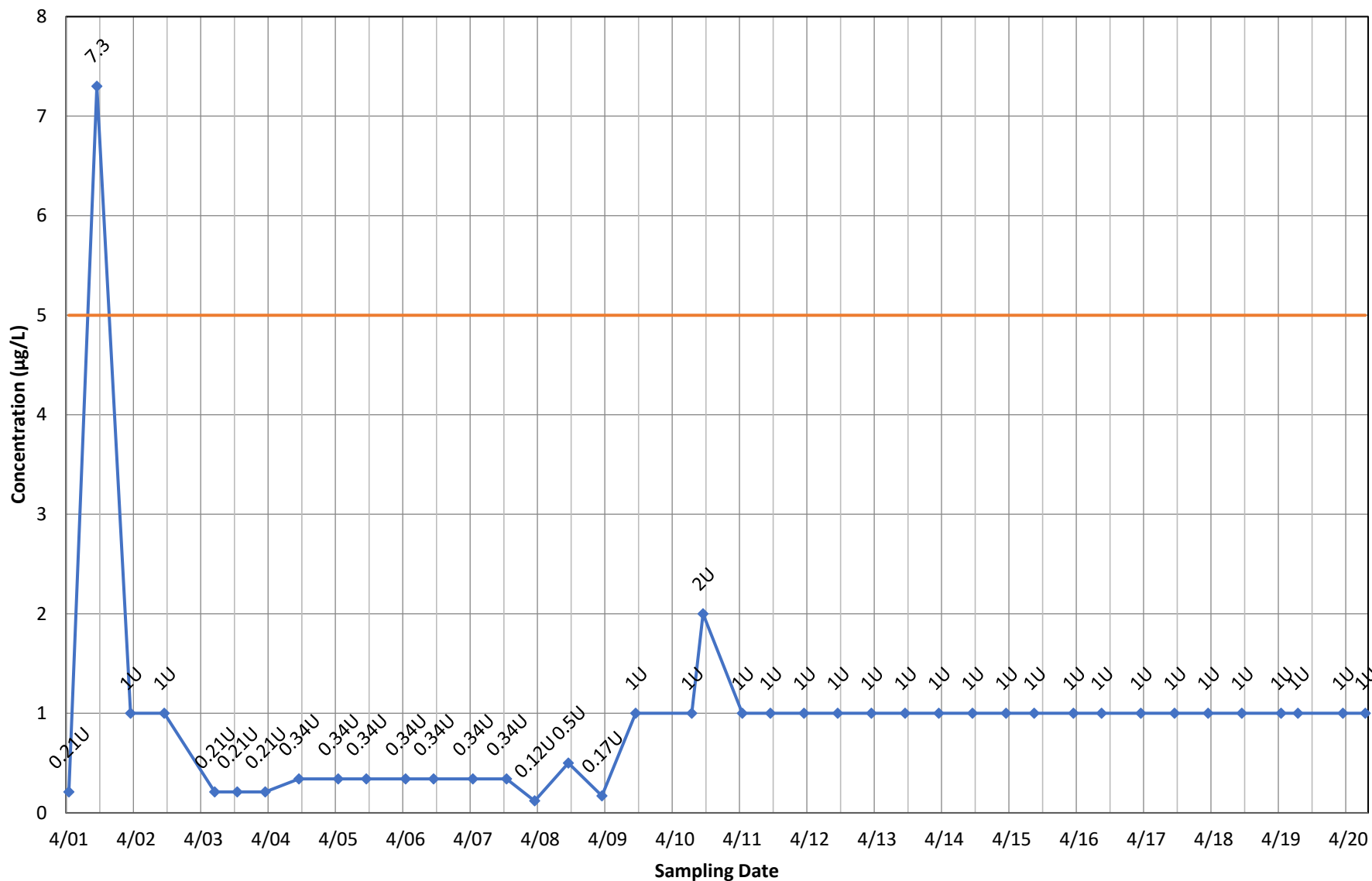


### Monitoring Well OB03A - cis-1,2-Dichloroethene



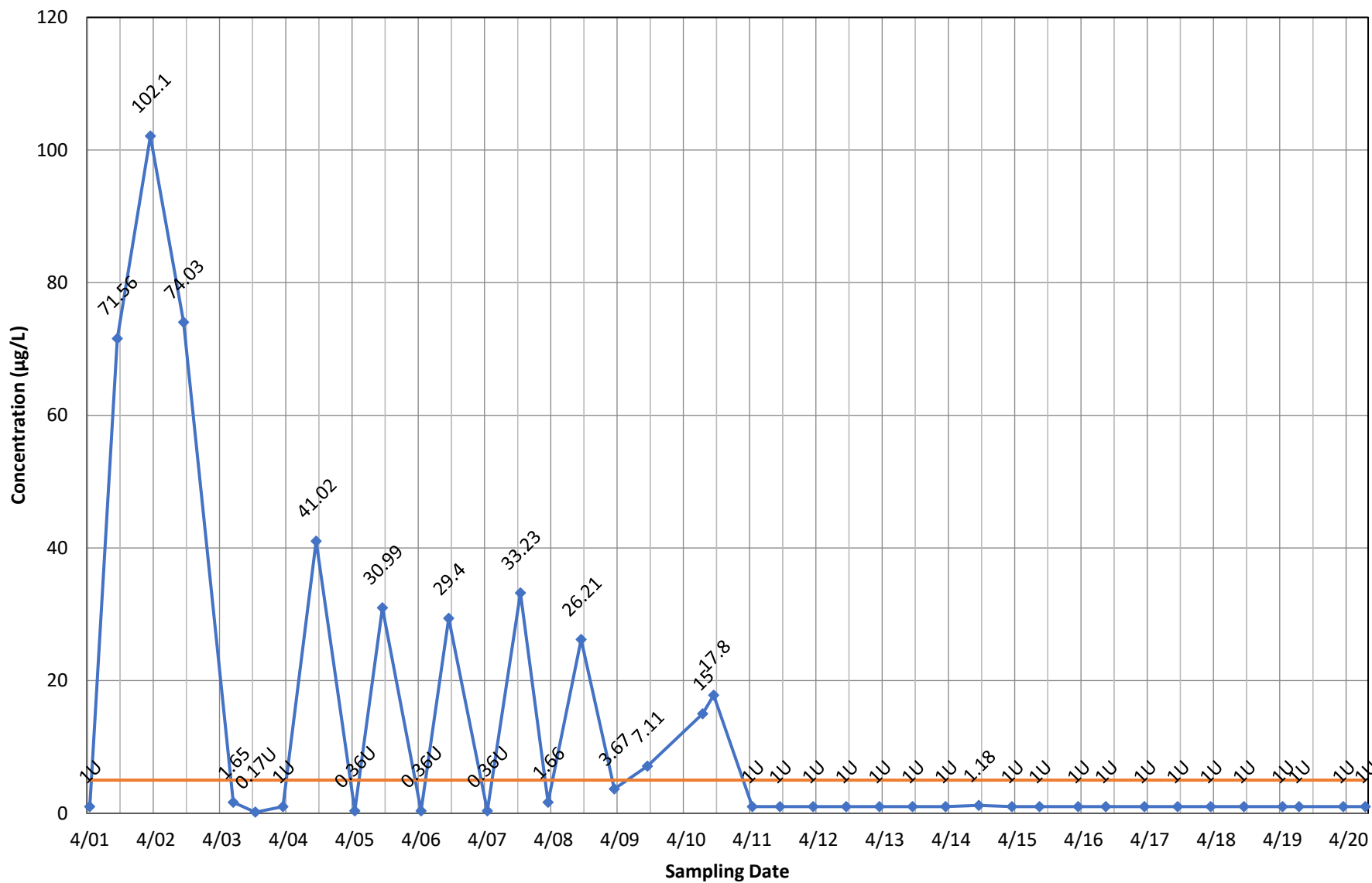
◆ Concentration    — Current MCL

### Monitoring Well OB03A - Methylene Chloride



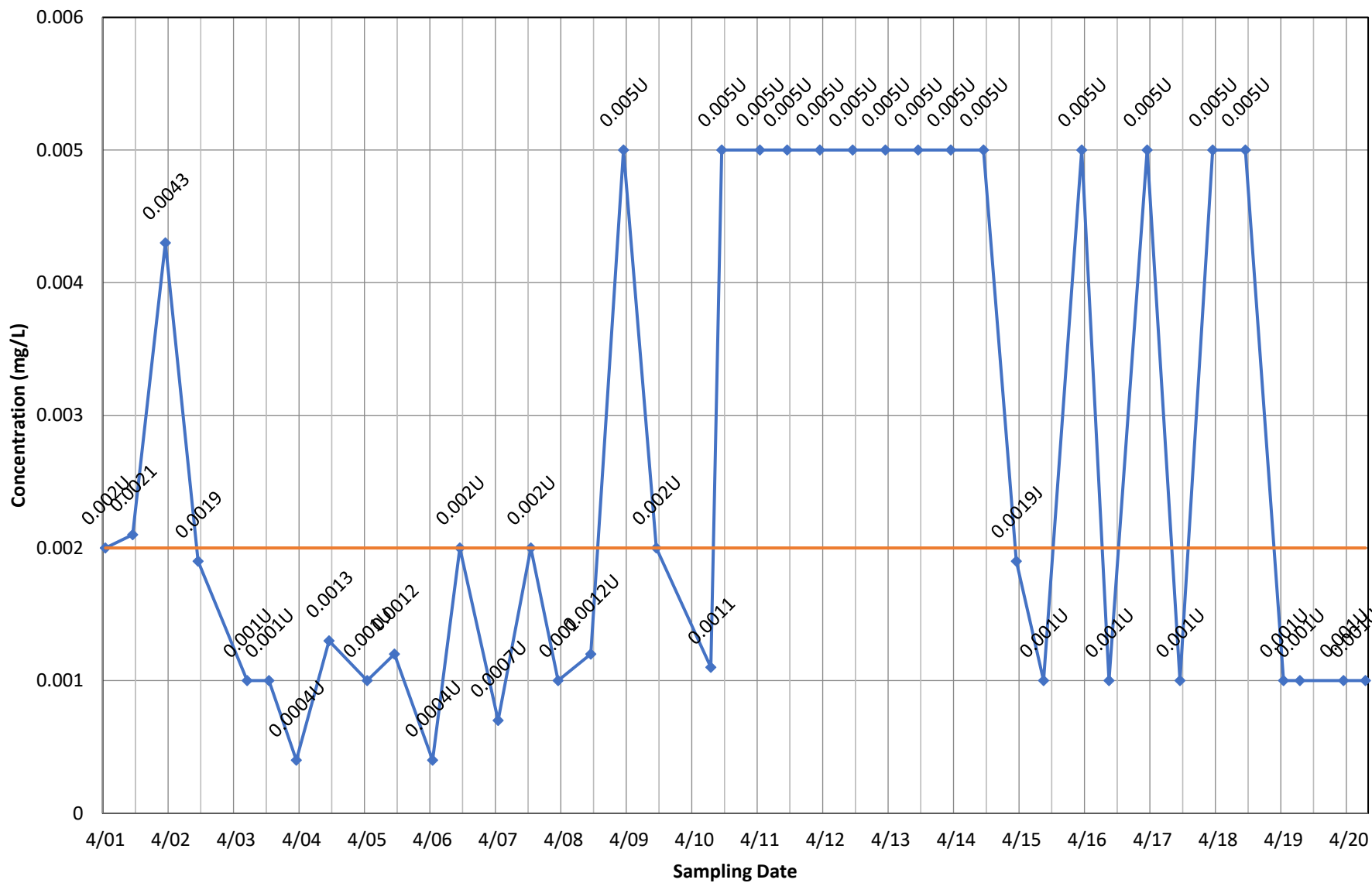
◆ Concentration    — Current MCL

### Monitoring Well OB03A - Tetrachloroethene



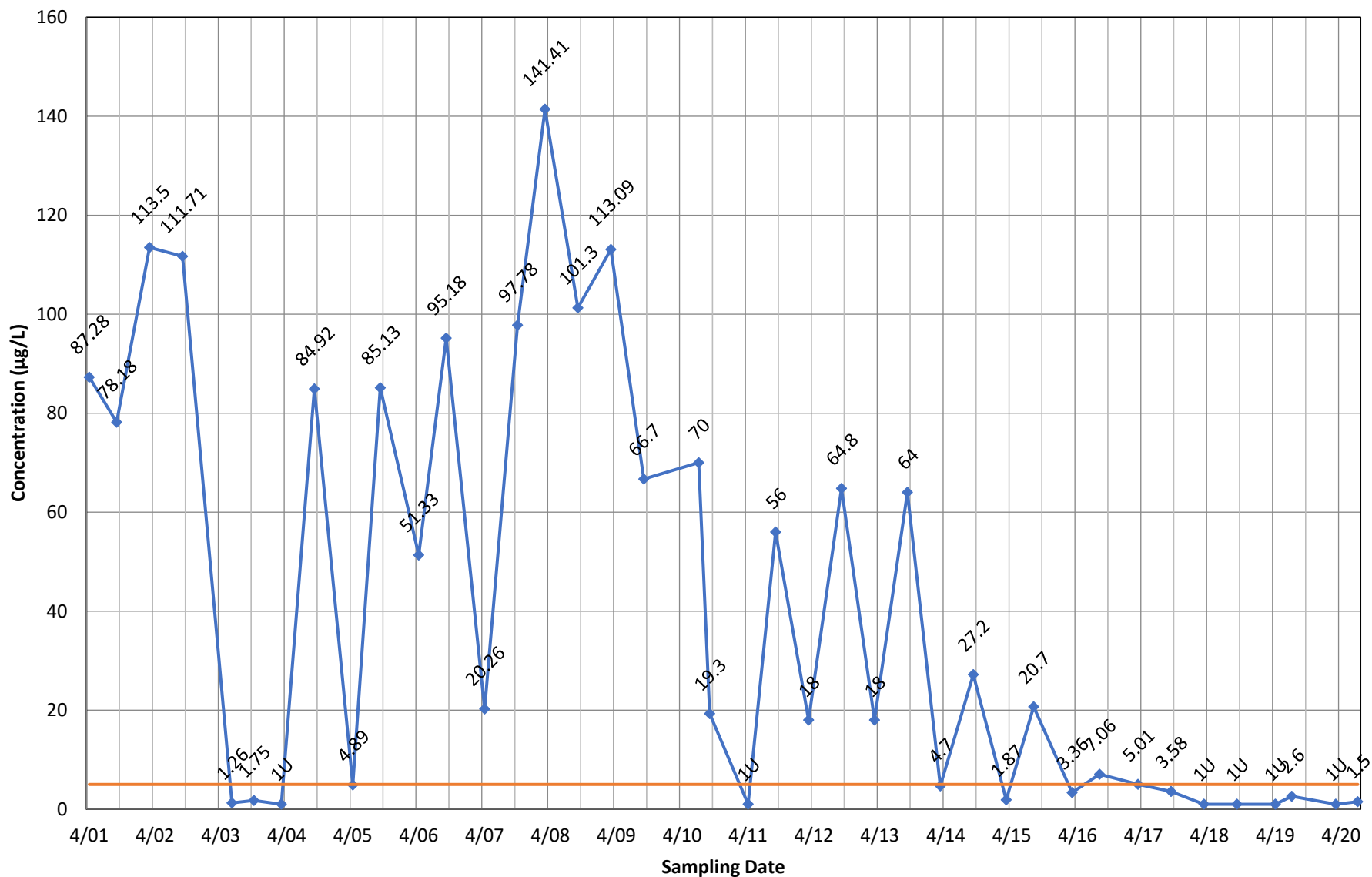
◆ Concentration    — Current MCL

### Monitoring Well OB03A - Thallium, total



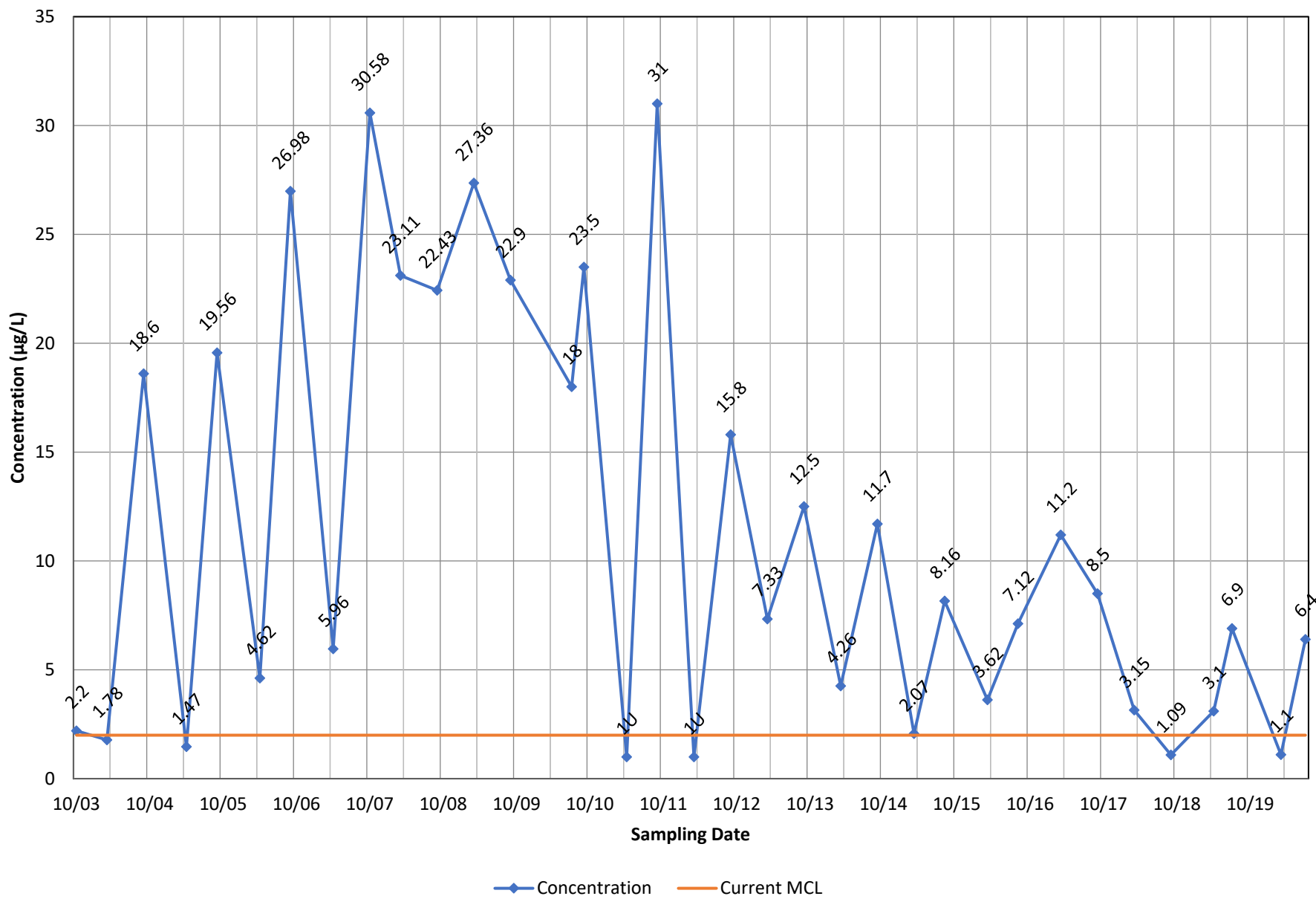
◆ Concentration    — Current MCL

### Monitoring Well OB03A - Trichloroethene

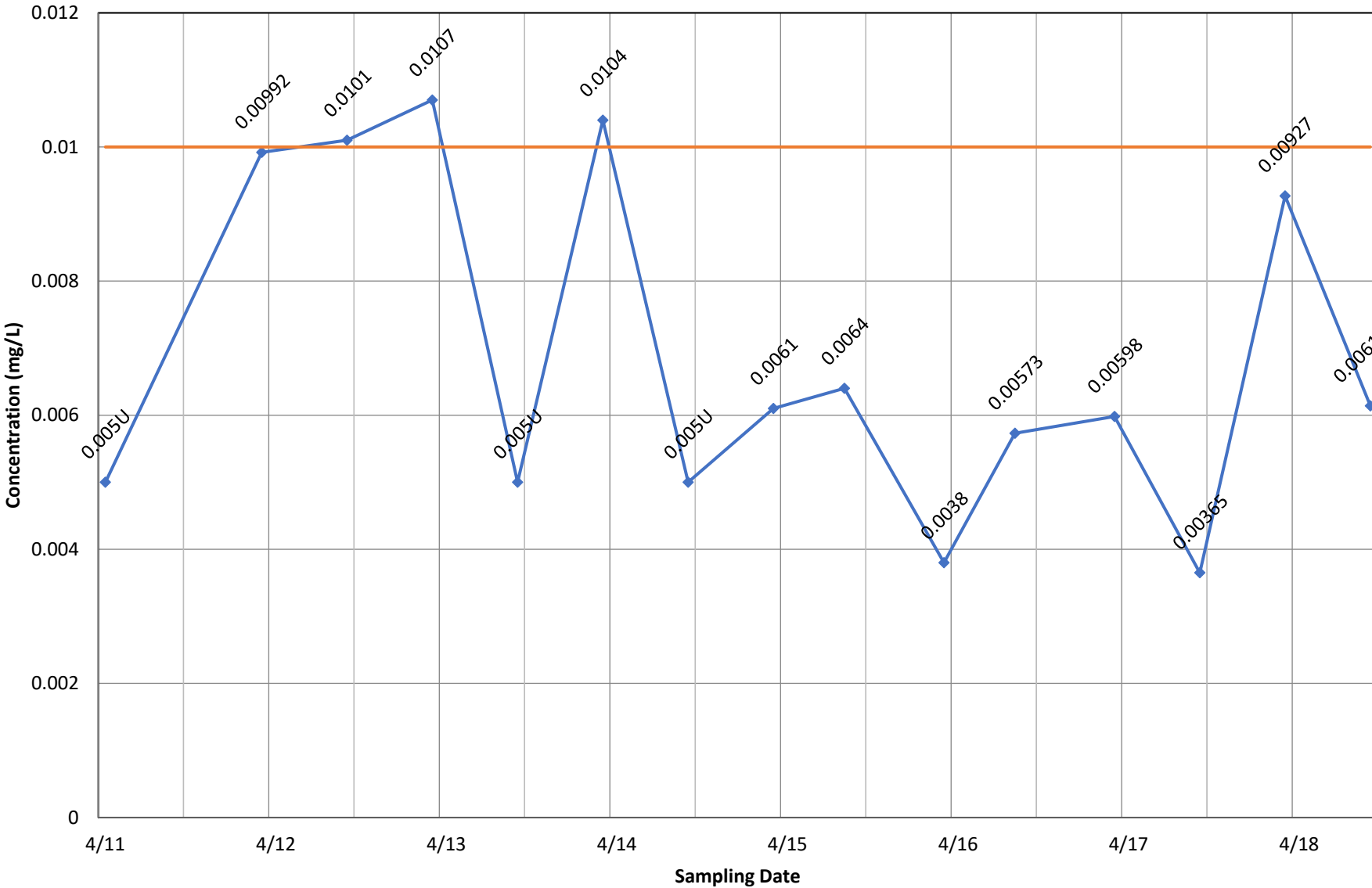


◆ Concentration    — Current MCL

### Monitoring Well OB03A - Vinyl Chloride

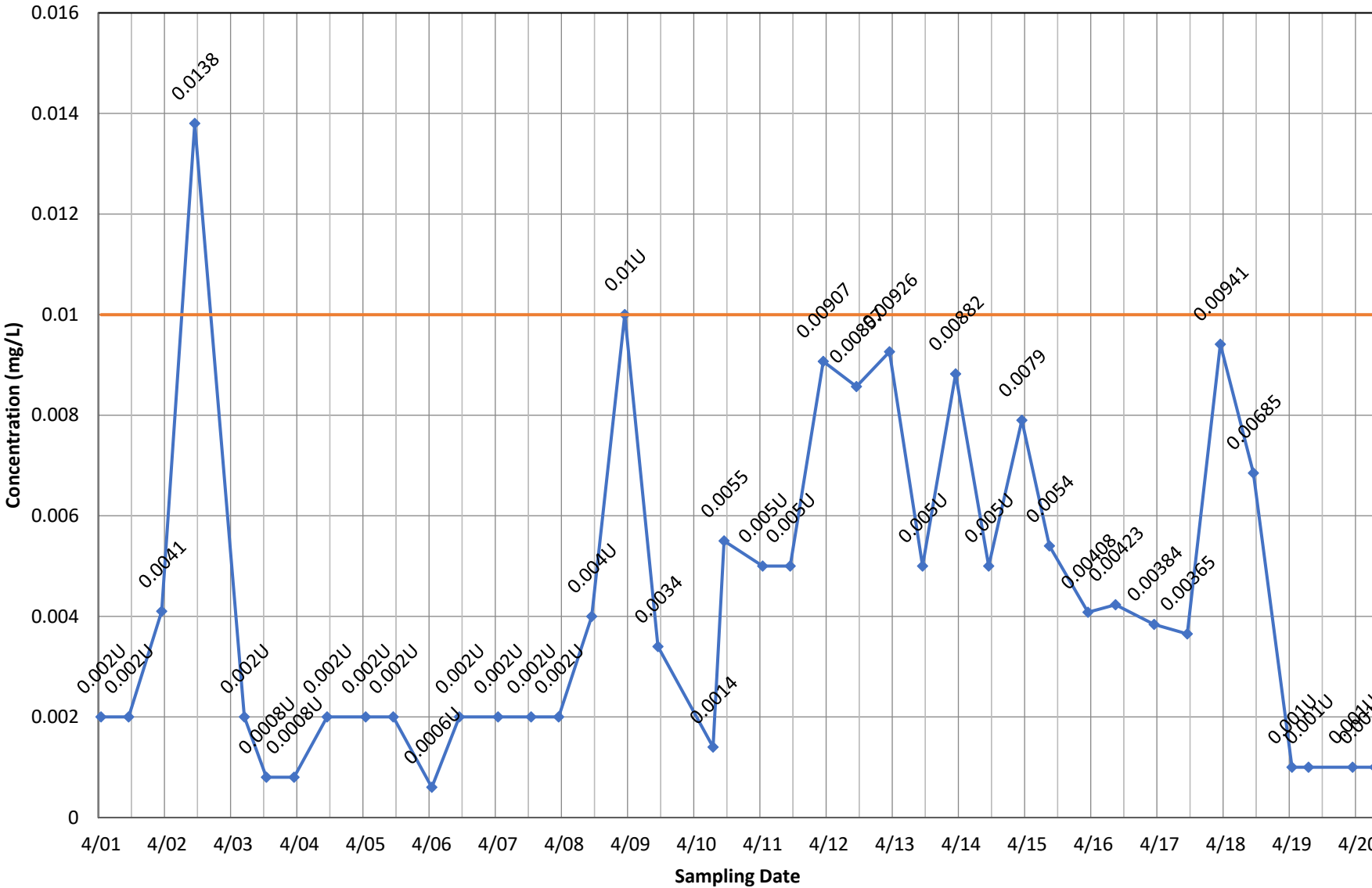


### Monitoring Well OB04 - Arsenic, dissolved



◆ Concentration    — Current MCL

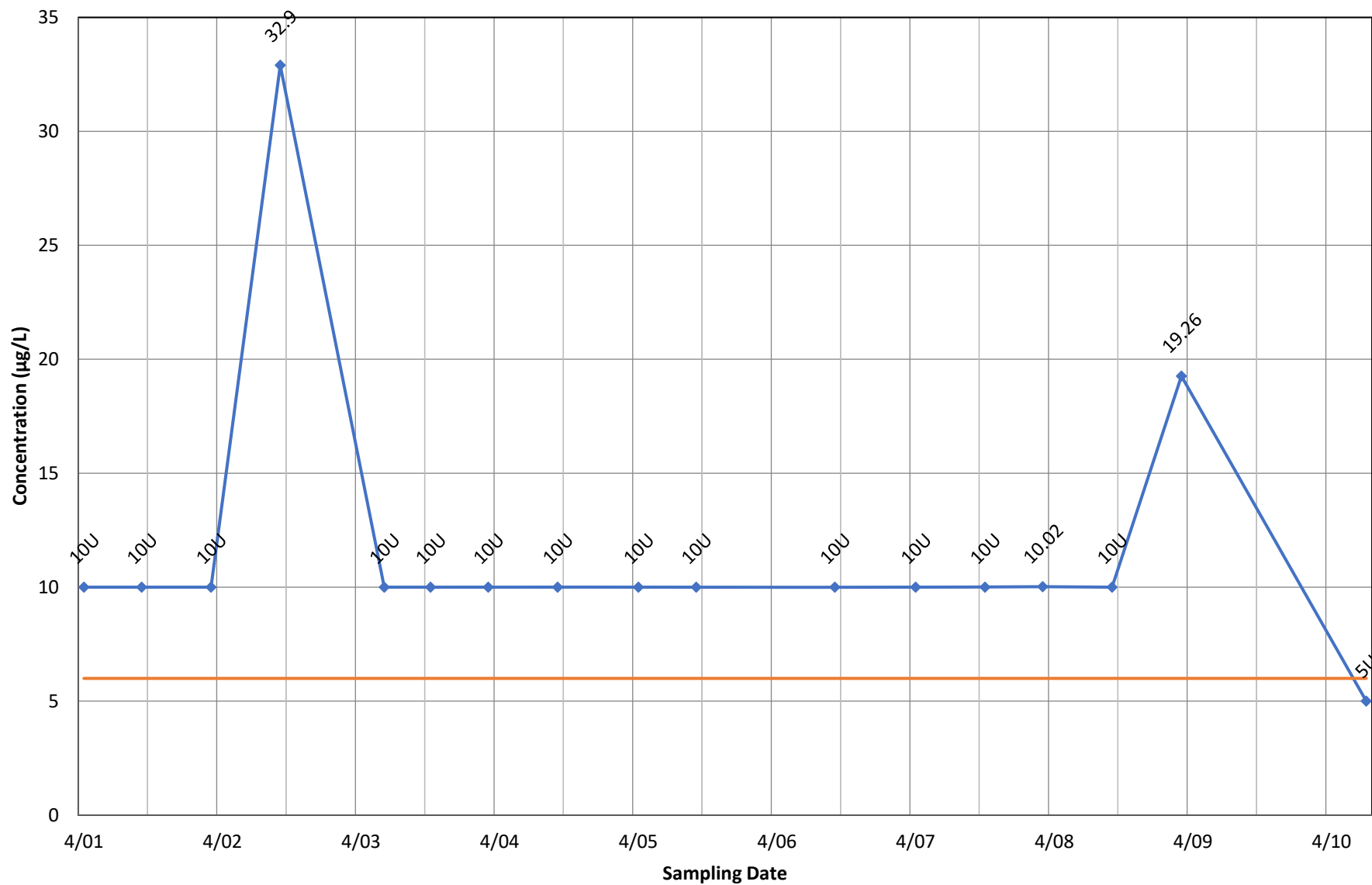
### Monitoring Well OB04 - Arsenic, total



◆ Concentration    — Current MCL

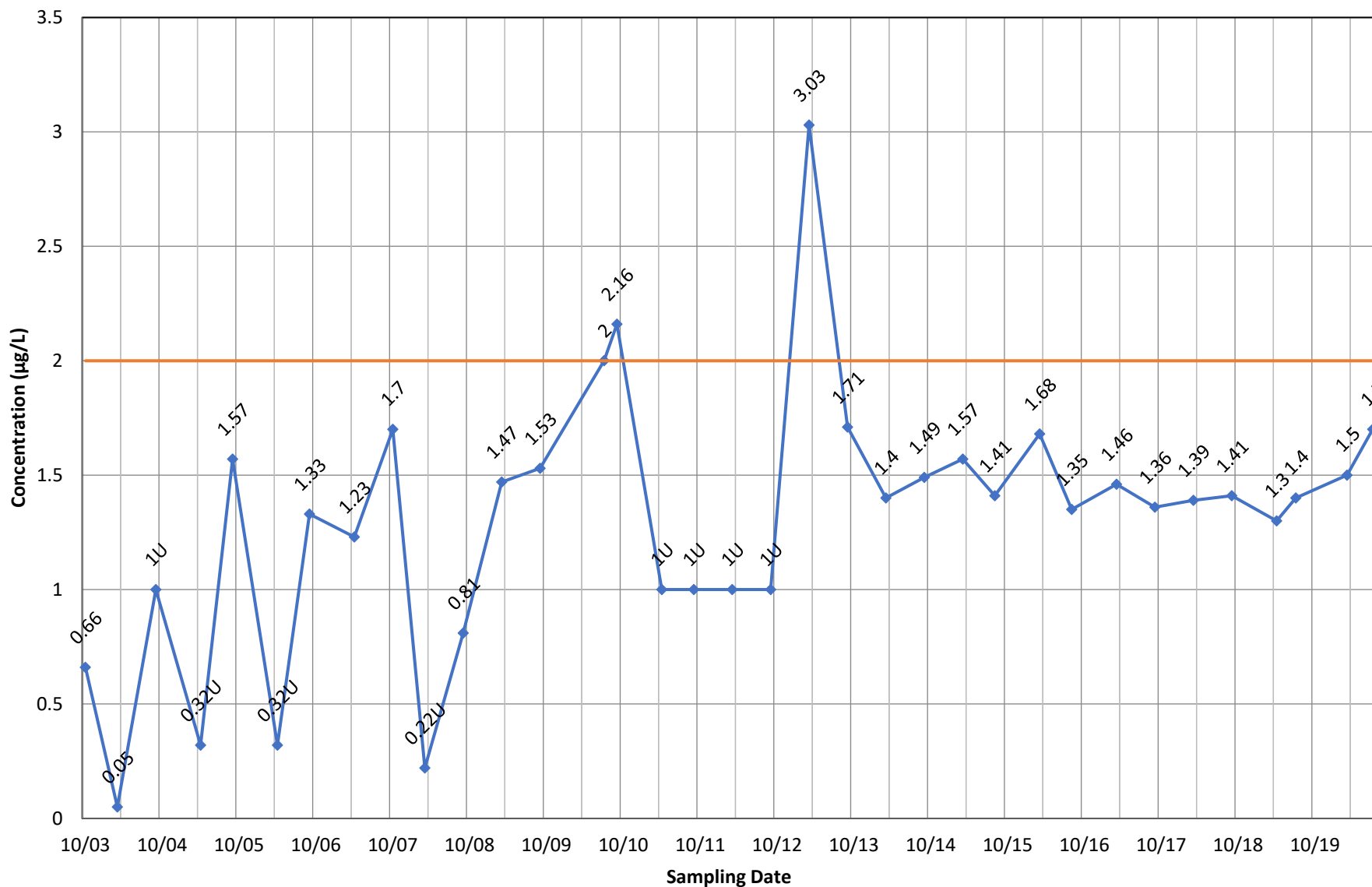


### Monitoring Well OB04 - Bis(2-Ethylhexyl) Phthalate



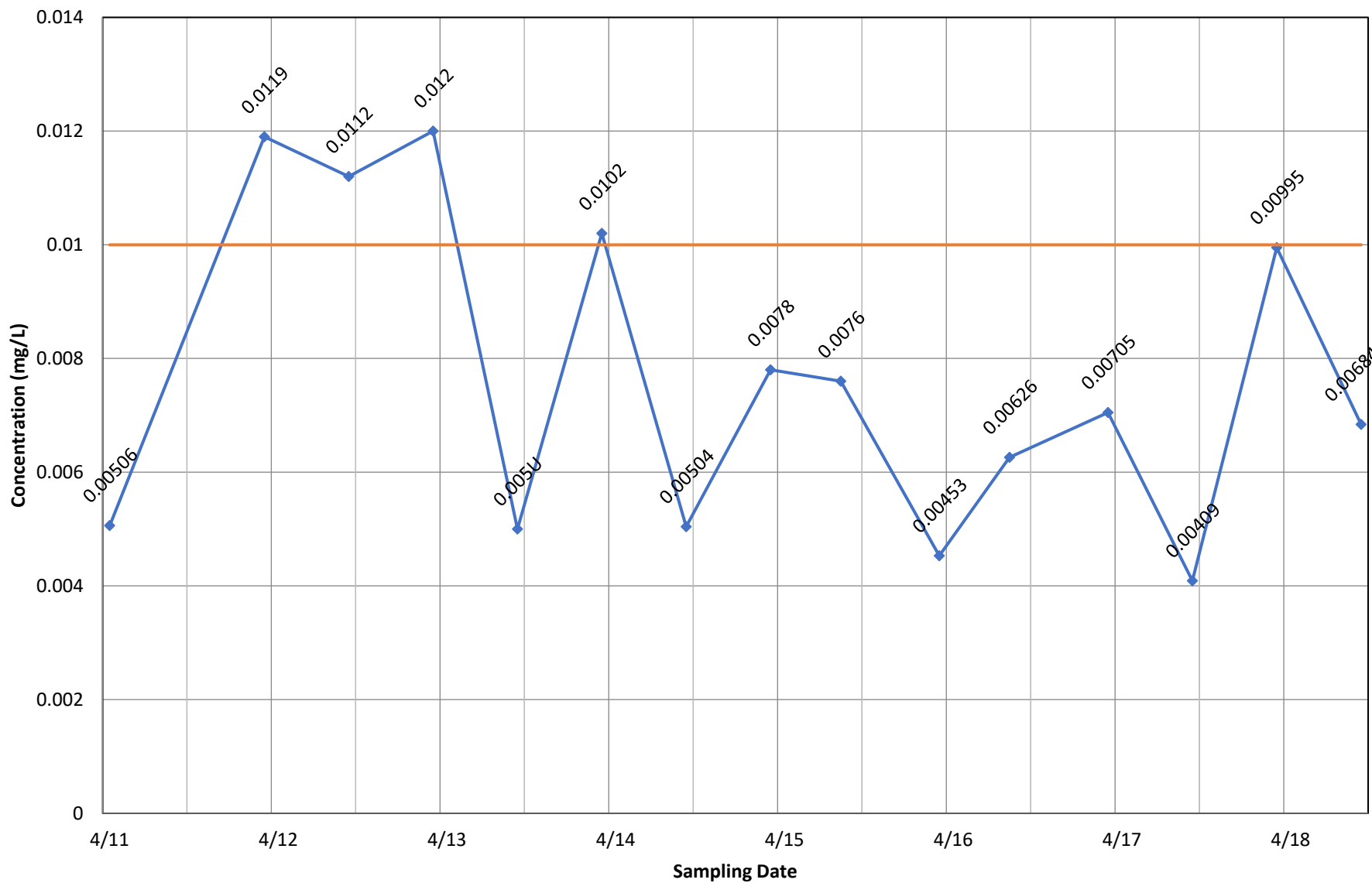
◆ Concentration    — Current MCL

### Monitoring Well OB04 - Vinyl Chloride



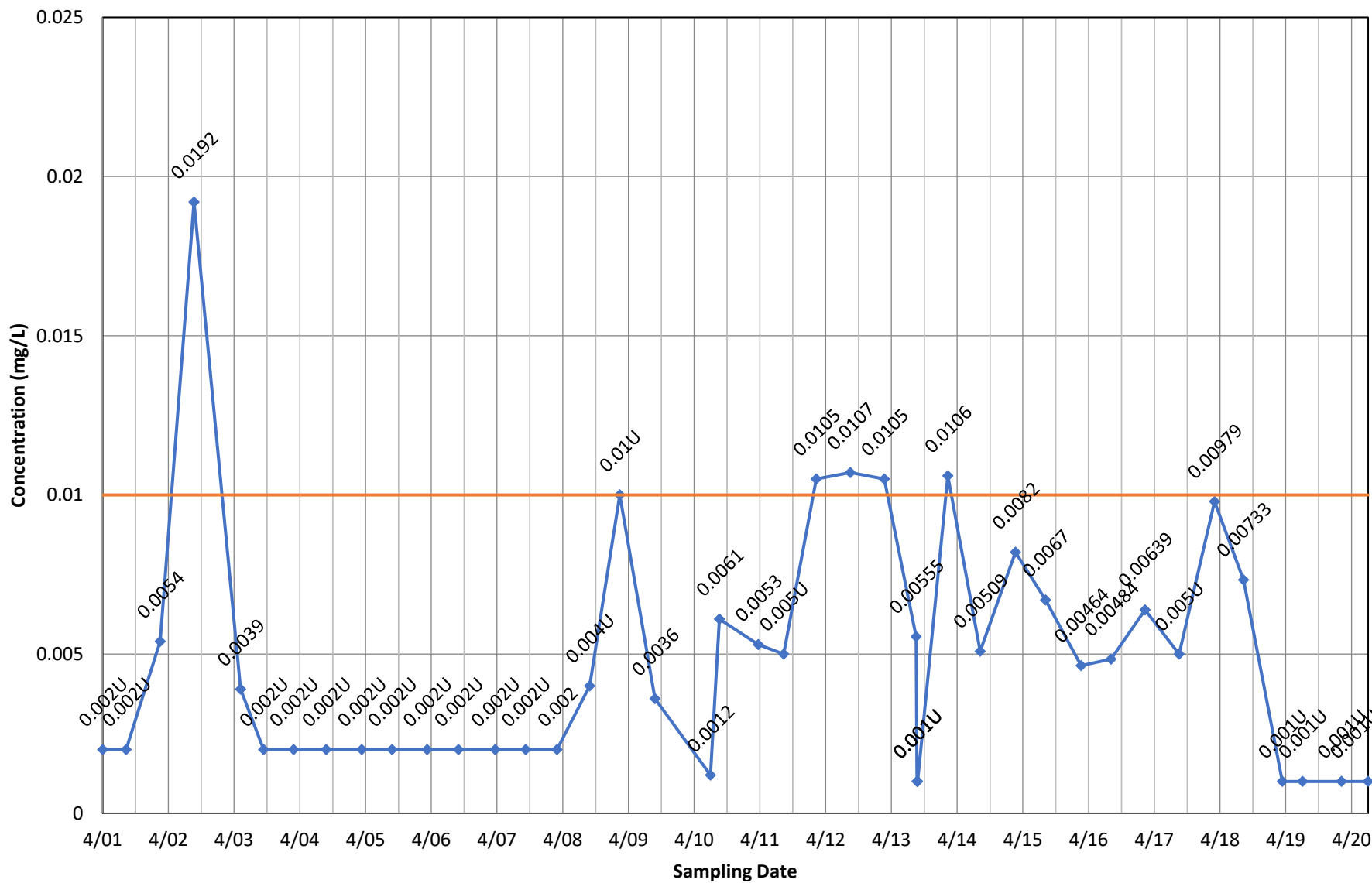
◆ Concentration    — Current MCL

### Monitoring Well OB04A - Arsenic, dissolved



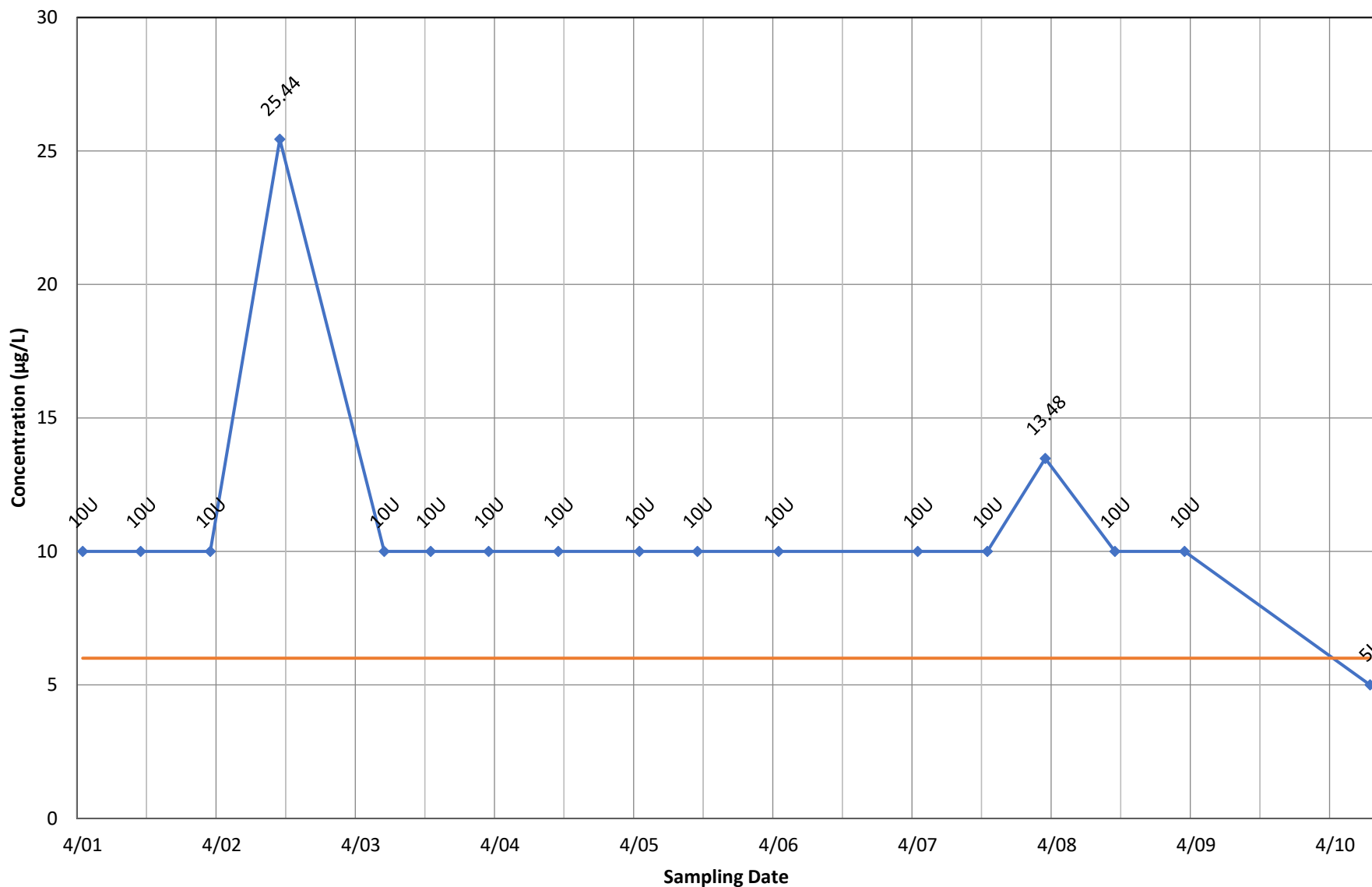
◆ Concentration    — Current MCL

### Monitoring Well OB04A - Arsenic, total



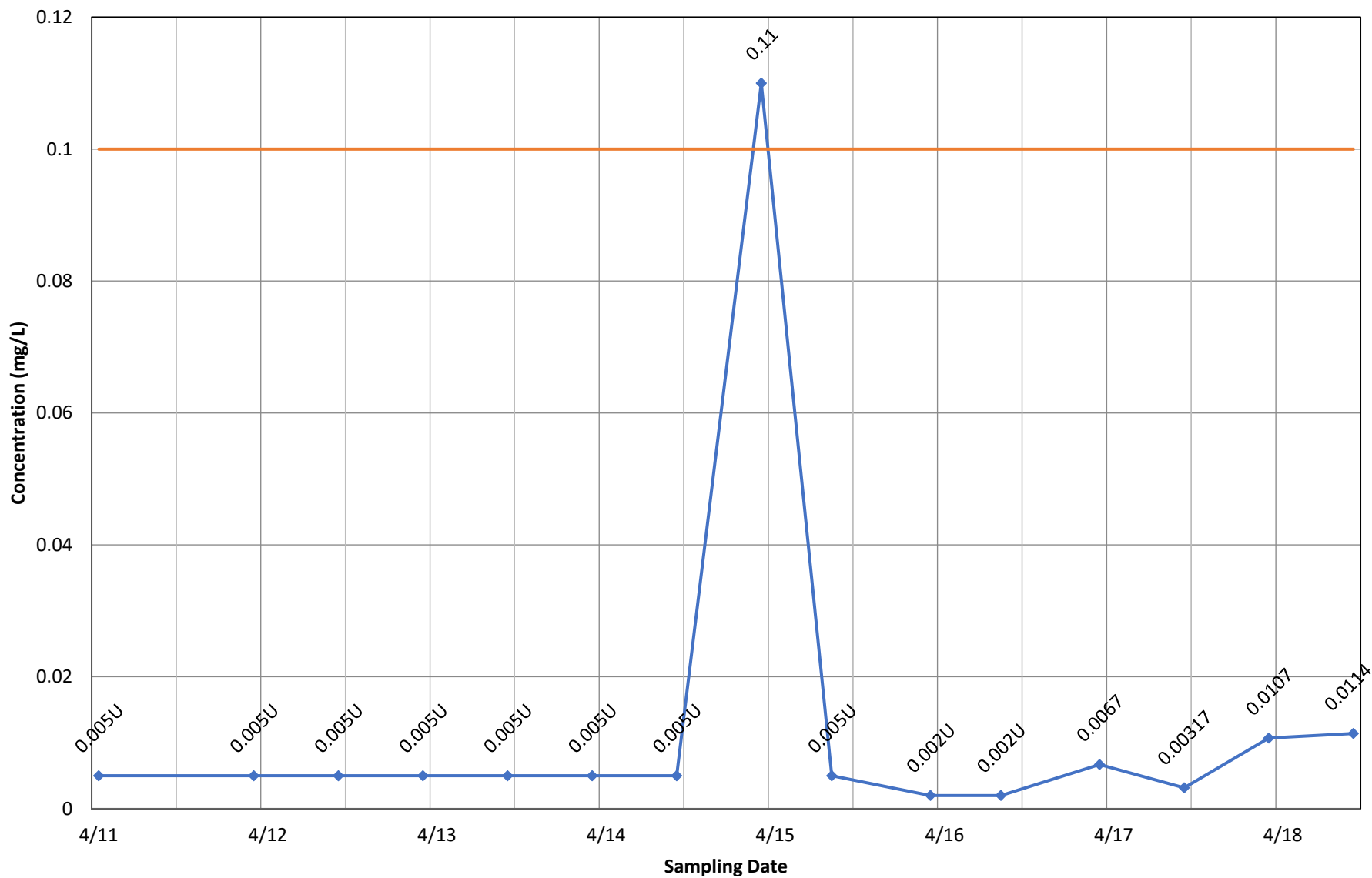
◆ Concentration    — Current MCL

### Monitoring Well OB04A - Bis(2-Ethylhexyl) Phthalate



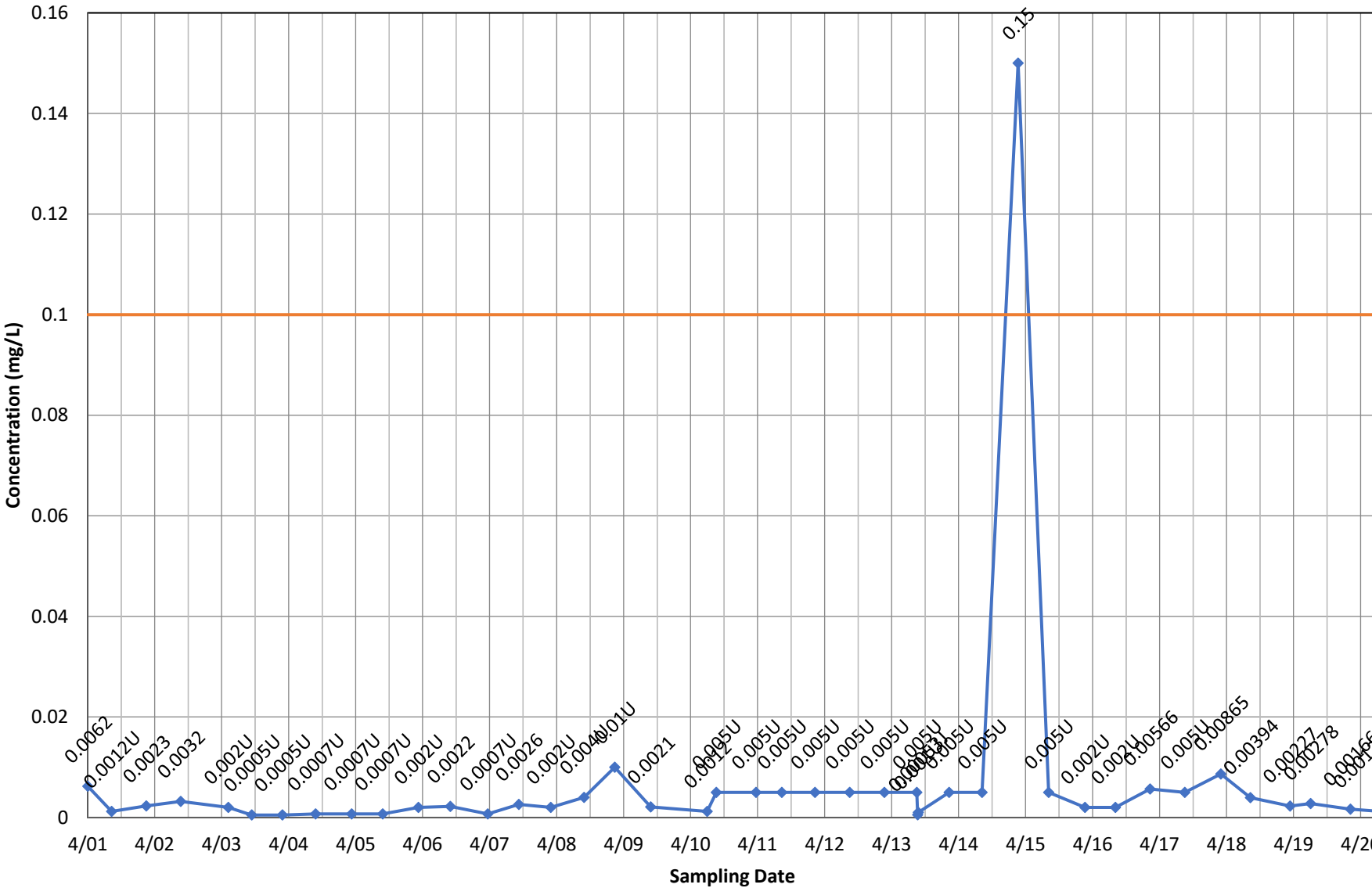
◆ Concentration    — Current MCL

### Monitoring Well OB04A - Chromium, dissolved



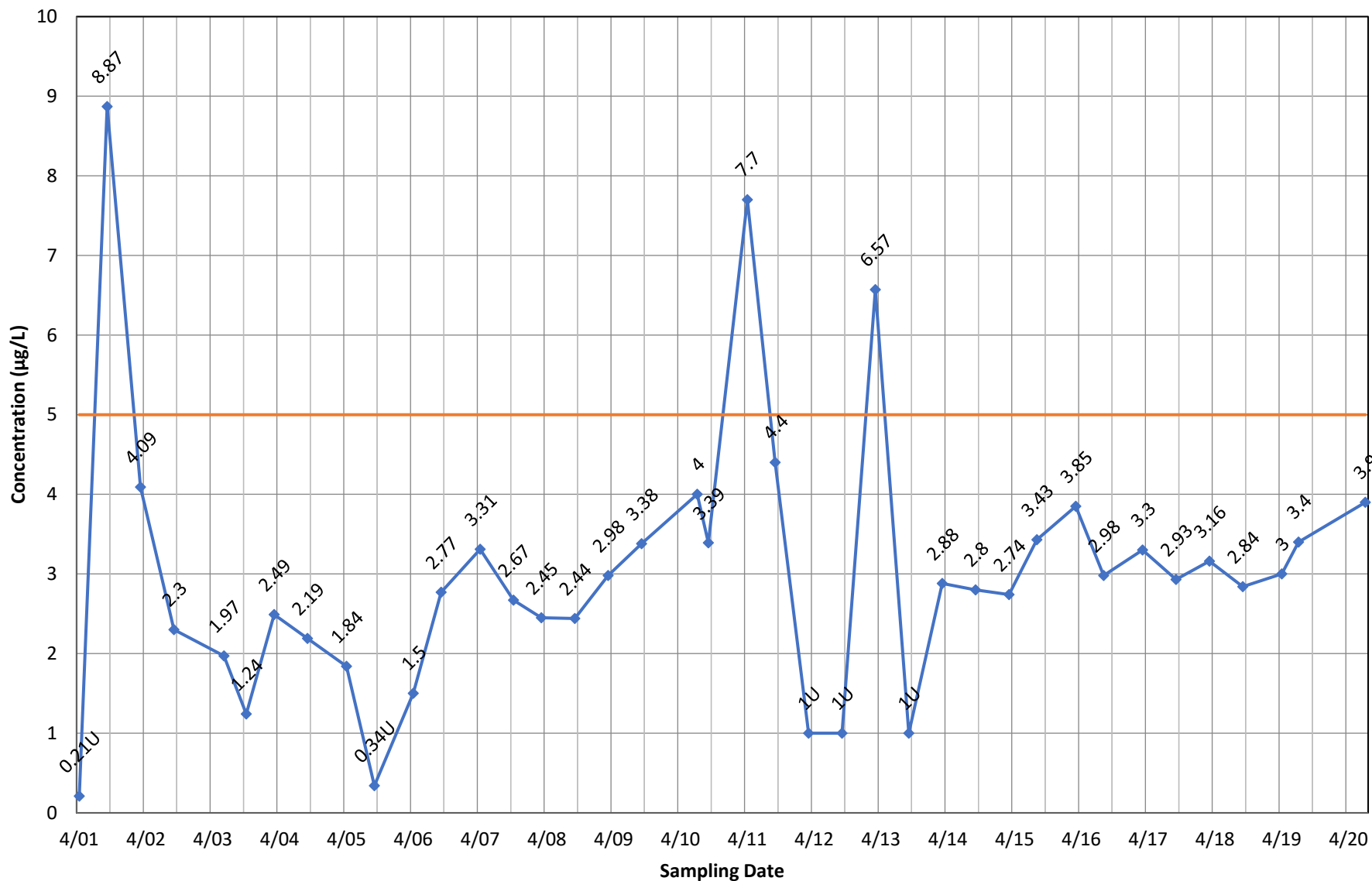
◆ Concentration    — Current MCL

### Monitoring Well OB04A - Chromium, total



◆ Concentration    — Current MCL

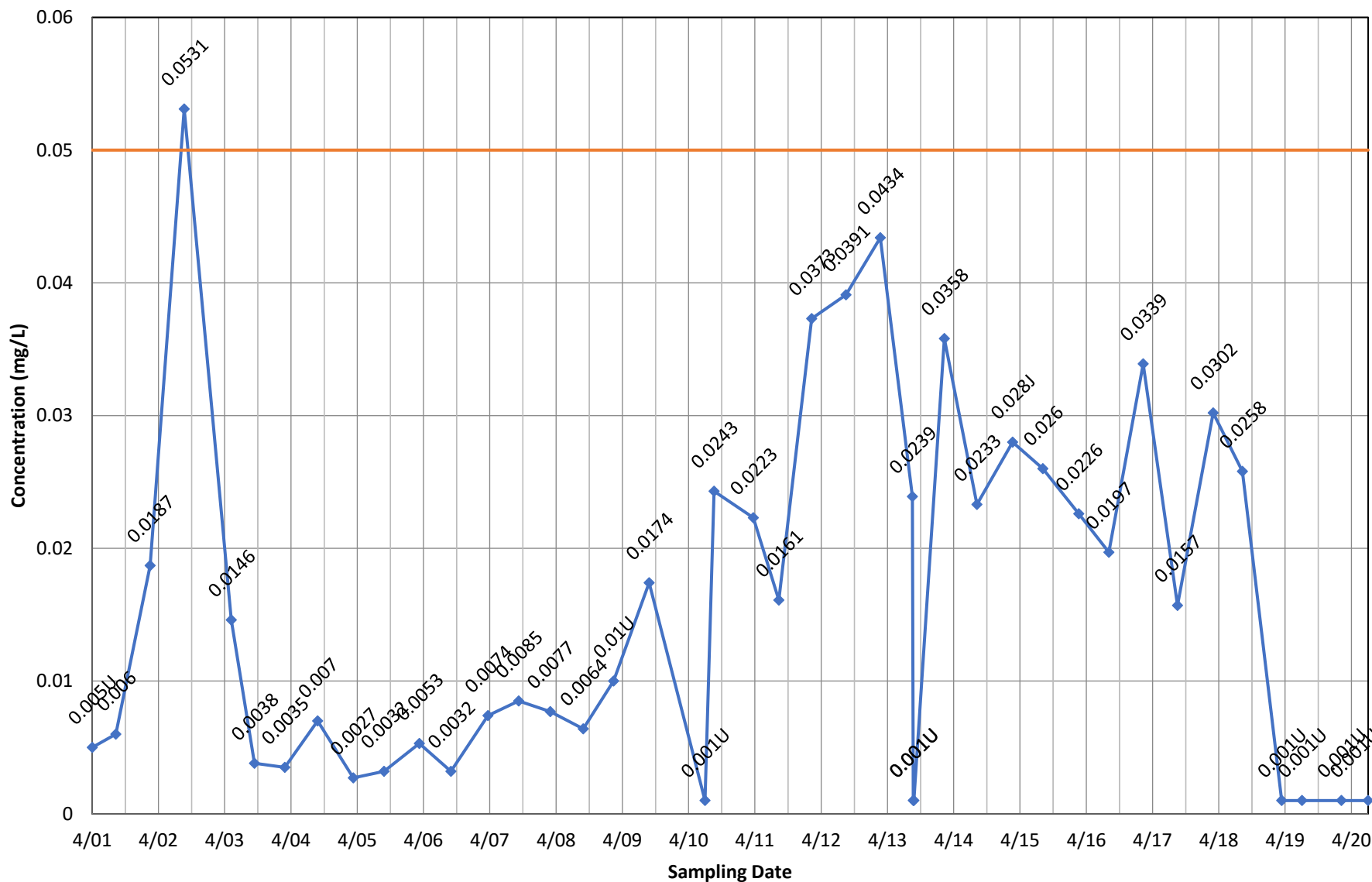
# Monitoring Well OB04A - Methylene Chloride



◆ Concentration    — Current MCL

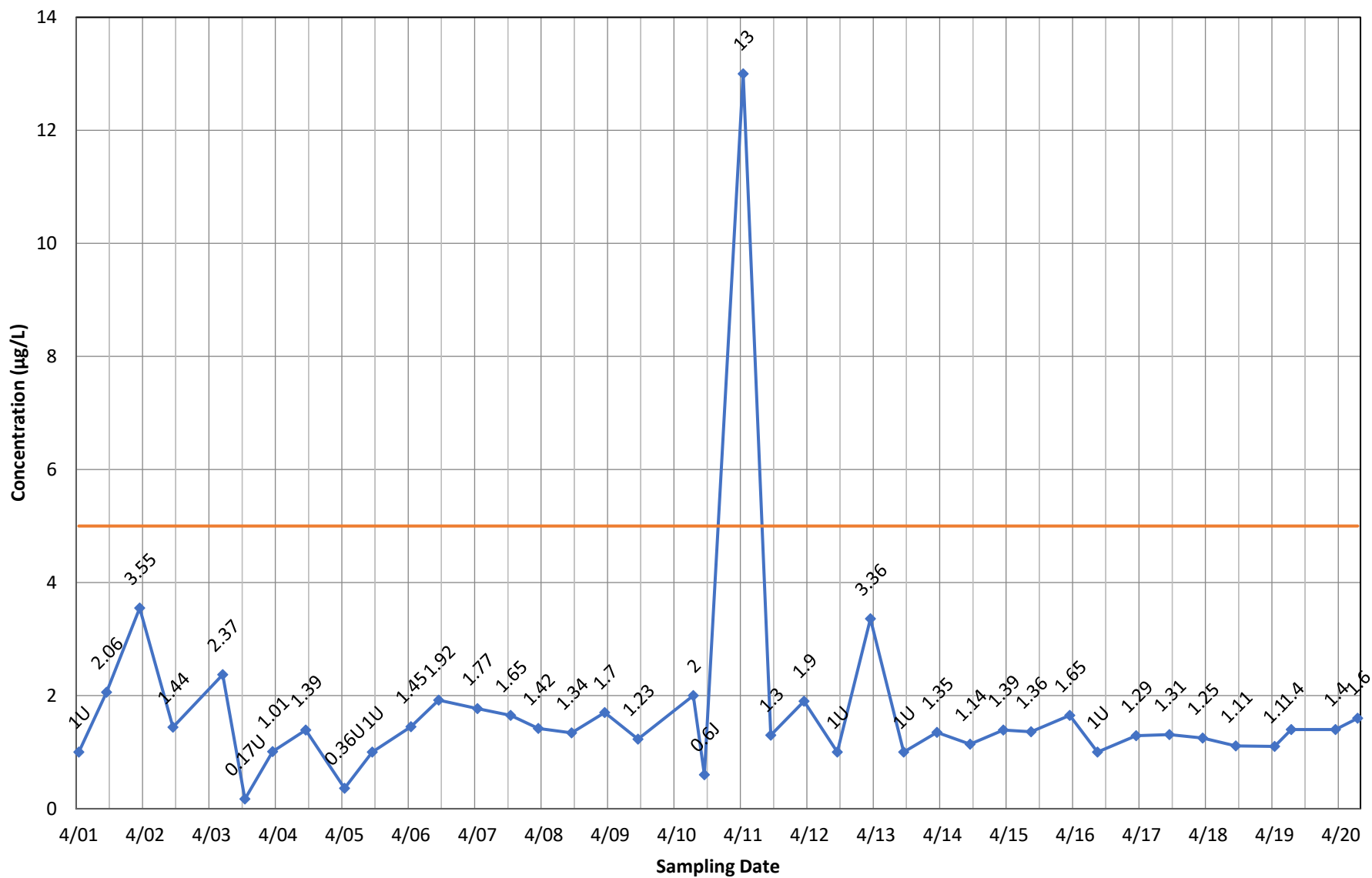


### Monitoring Well OB04A - Selenium, total



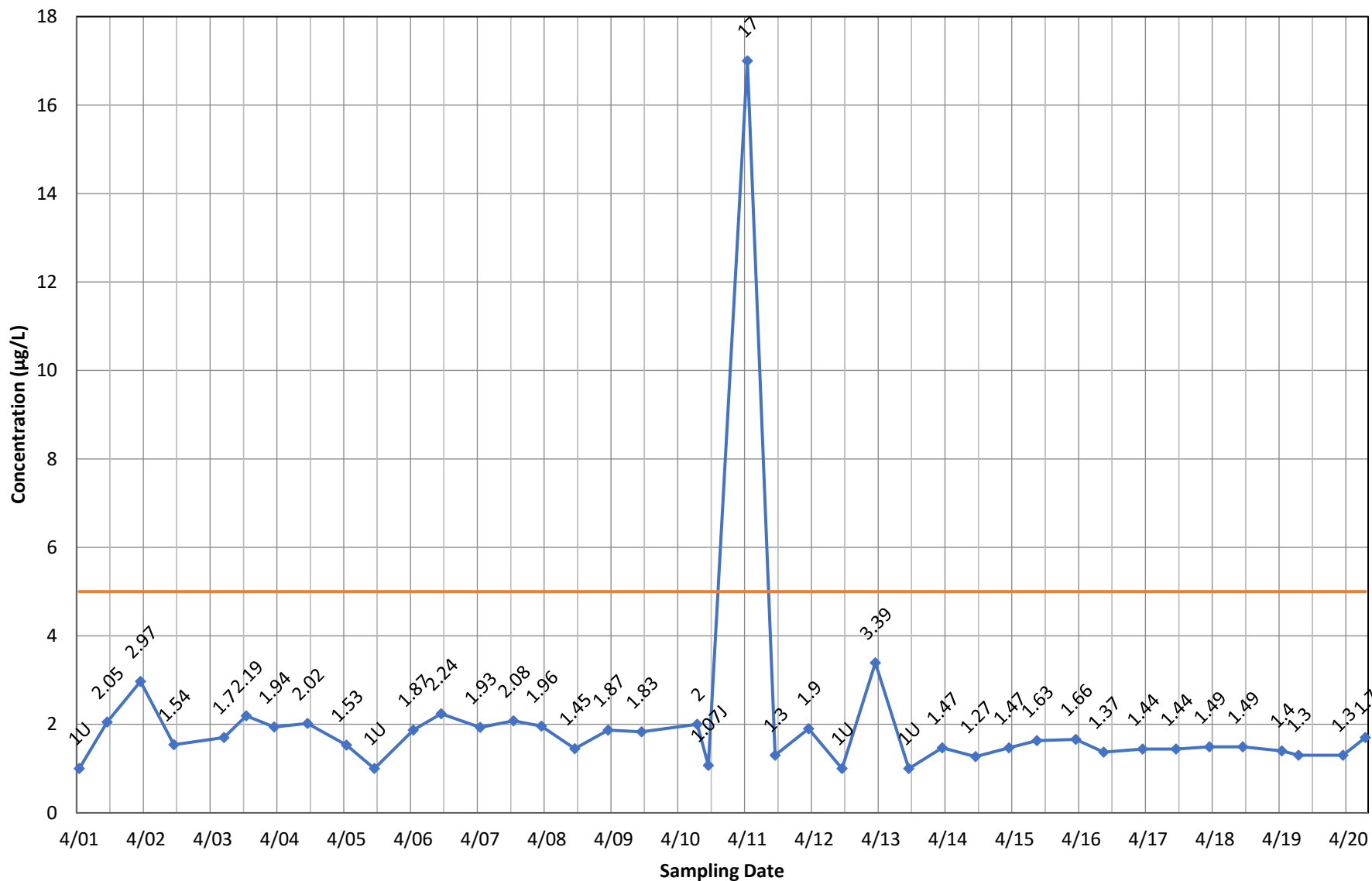
◆ Concentration    — Current MCL

### Monitoring Well OB04A - Tetrachloroethene



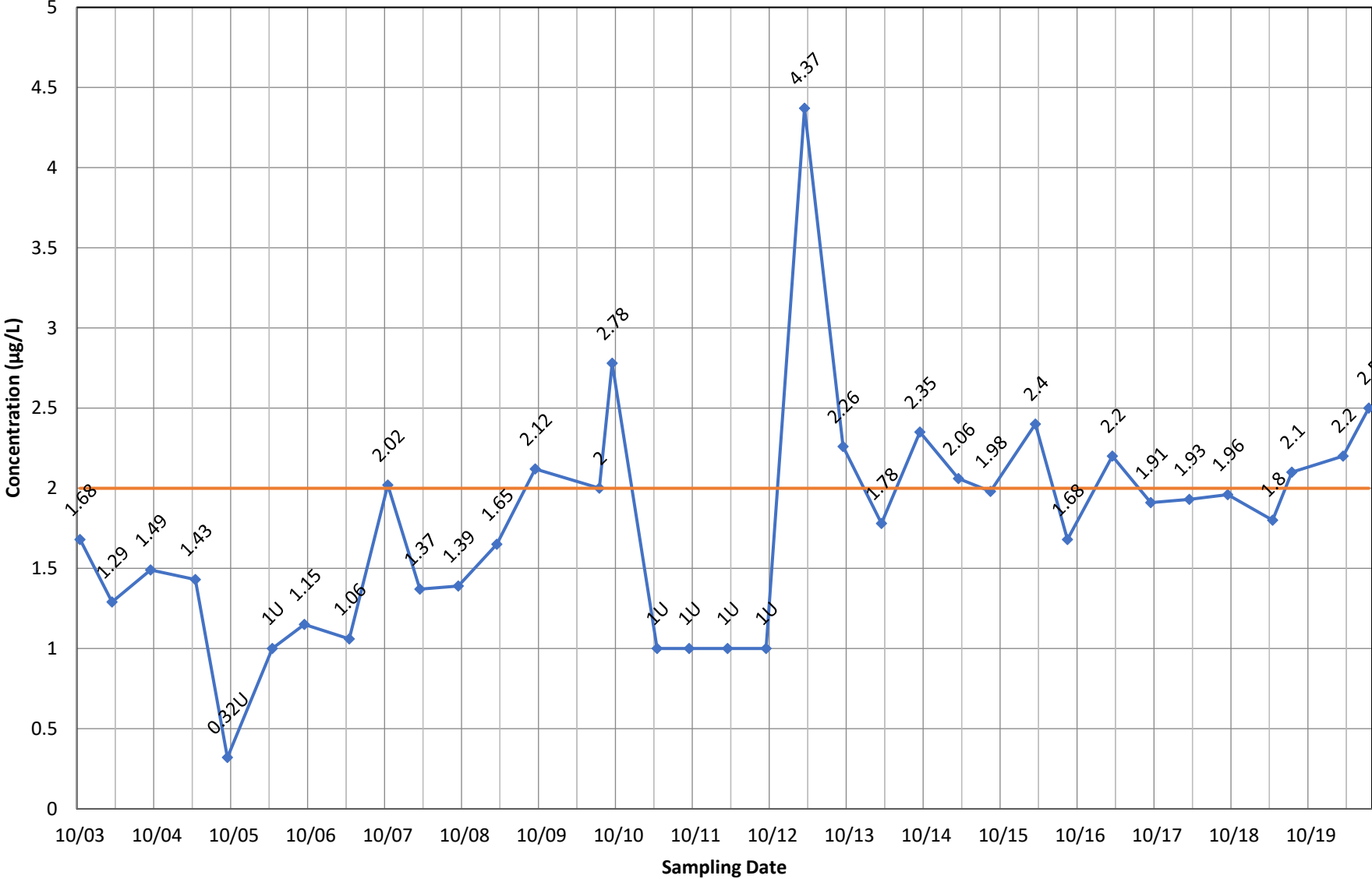
◆ Concentration    — Current MCL

### Monitoring Well OB04A - Trichloroethene



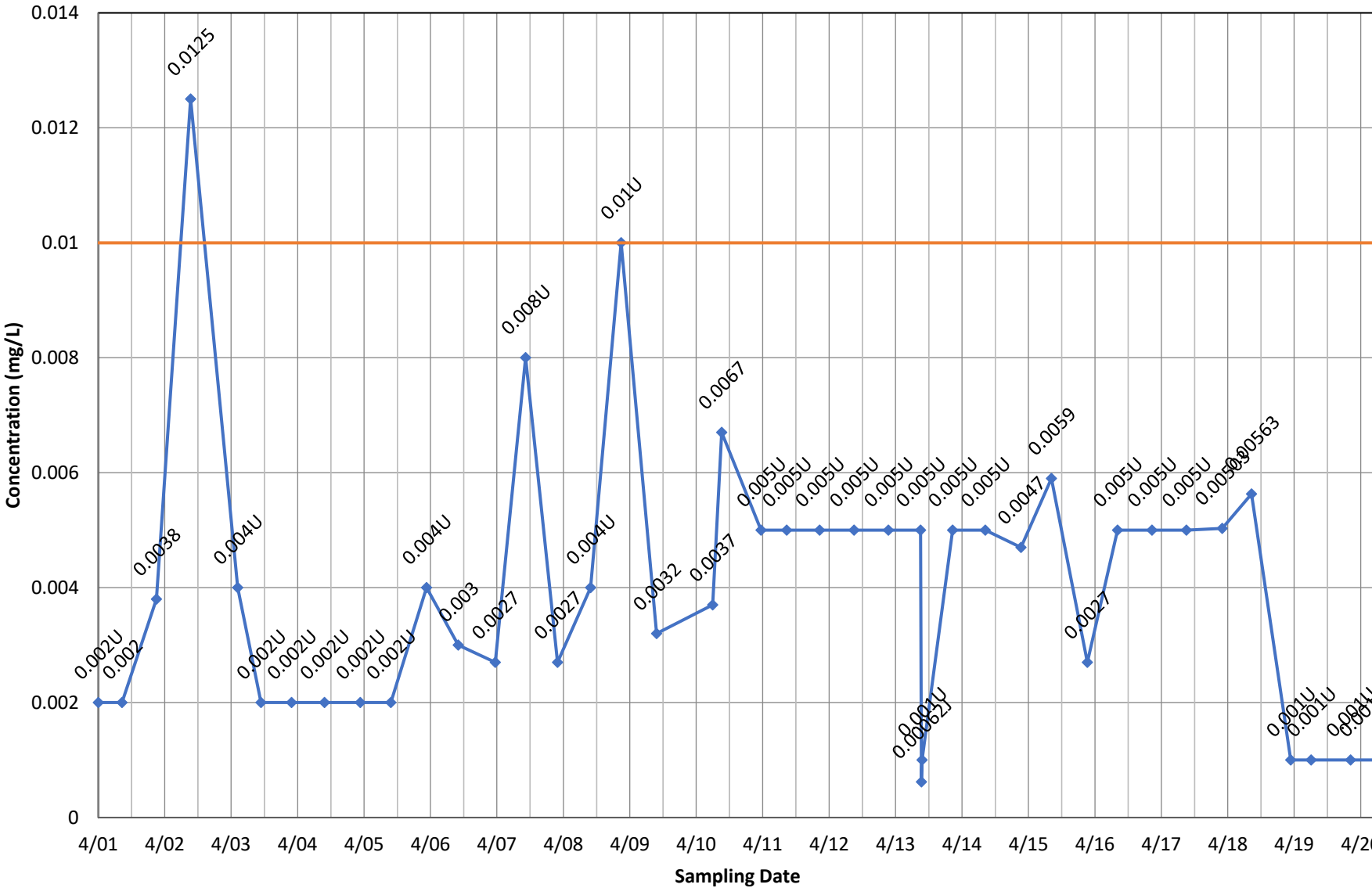
◆ Concentration    — Current MCL

### Monitoring Well OB04A - Vinyl Chloride



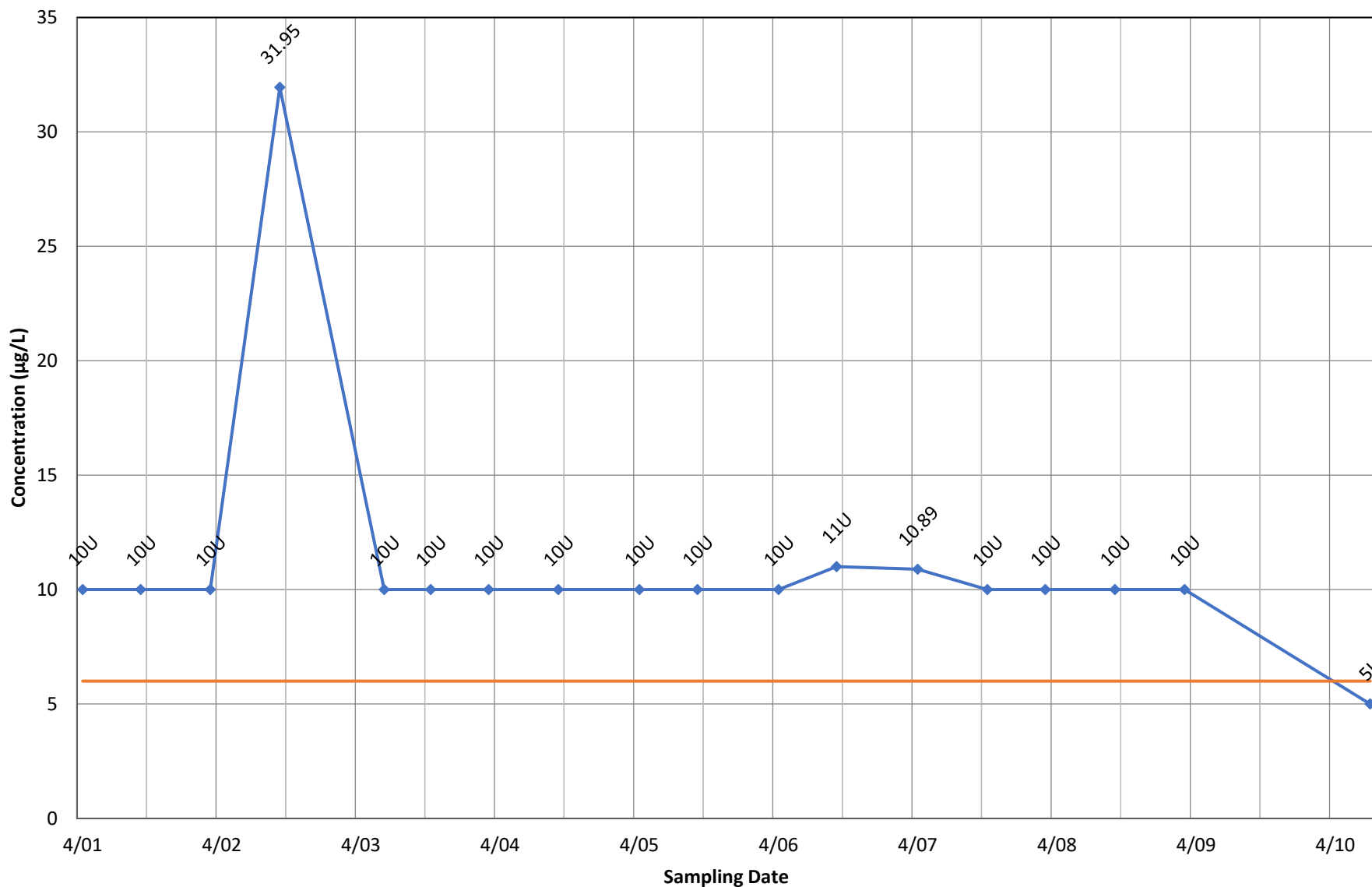
◆ Concentration    — Current MCL

# Monitoring Well OB06 - Arsenic, total



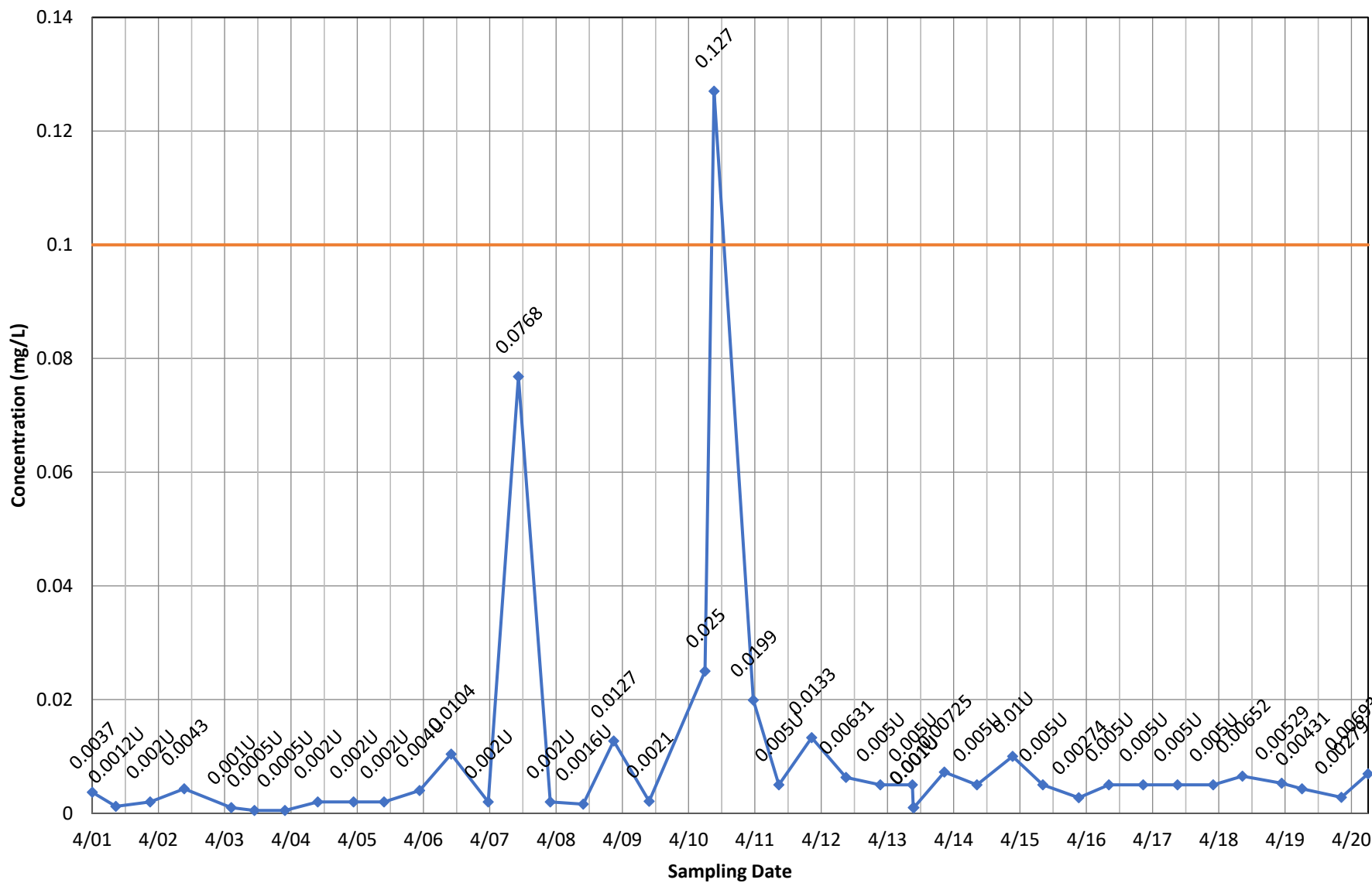
◆ Concentration    — Current MCL

### Monitoring Well OB06 - Bis(2-Ethylhexyl) Phthalate



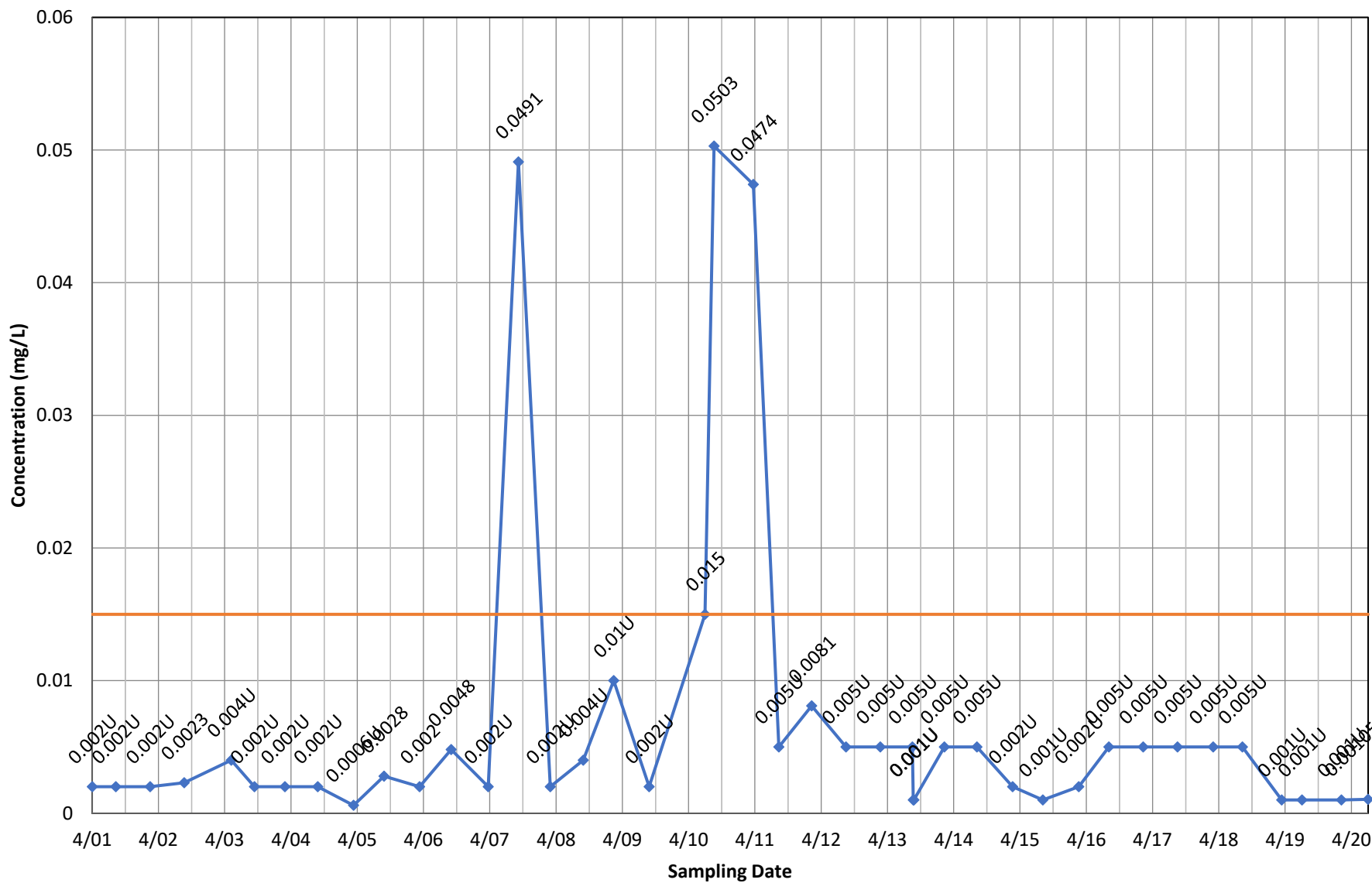
◆ Concentration    — Current MCL

### Monitoring Well OB06 - Chromium, total



◆ Concentration    — Current MCL

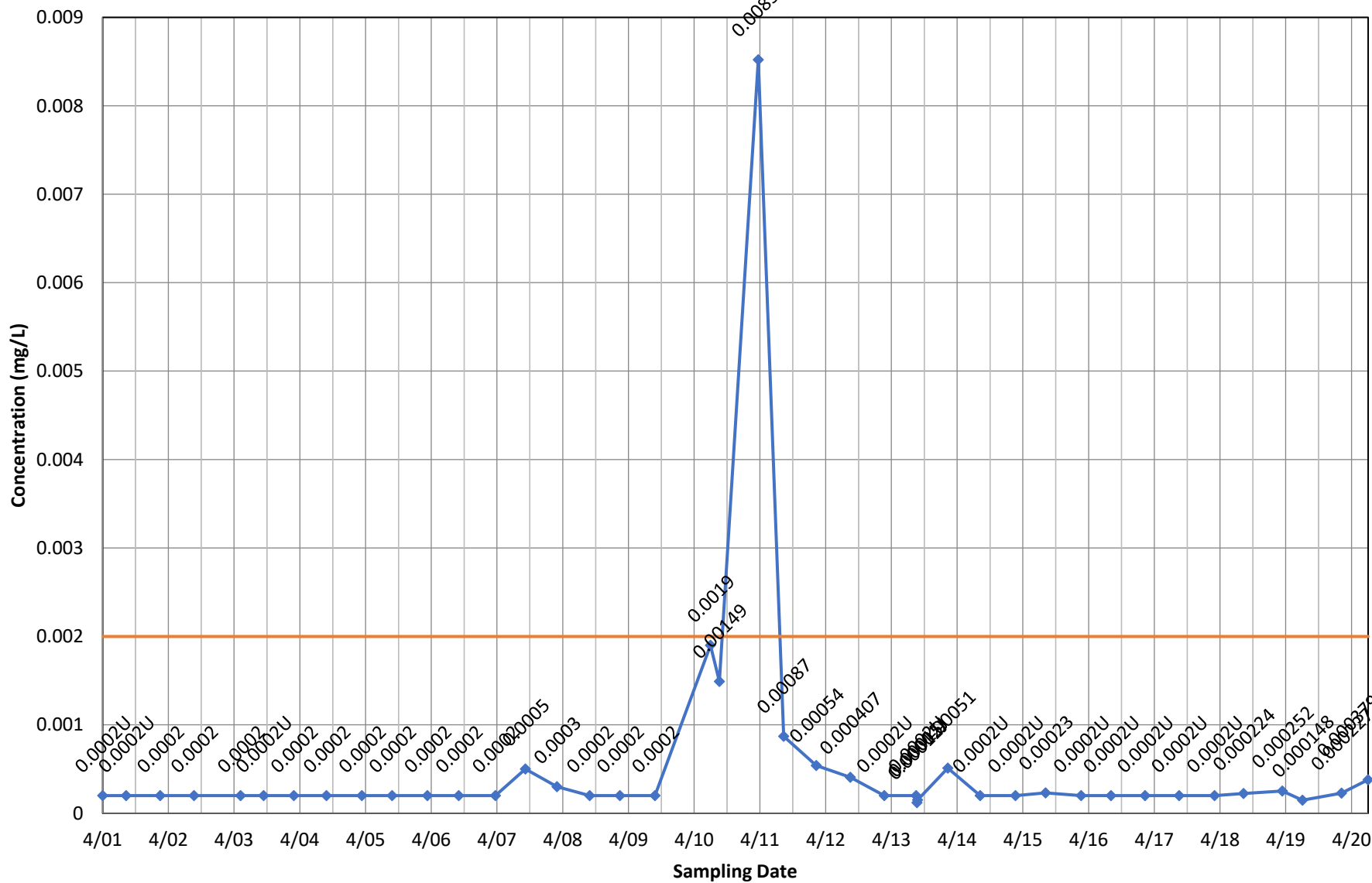
### Monitoring Well OB06 - Lead, total



◆ Concentration    — Current MCL

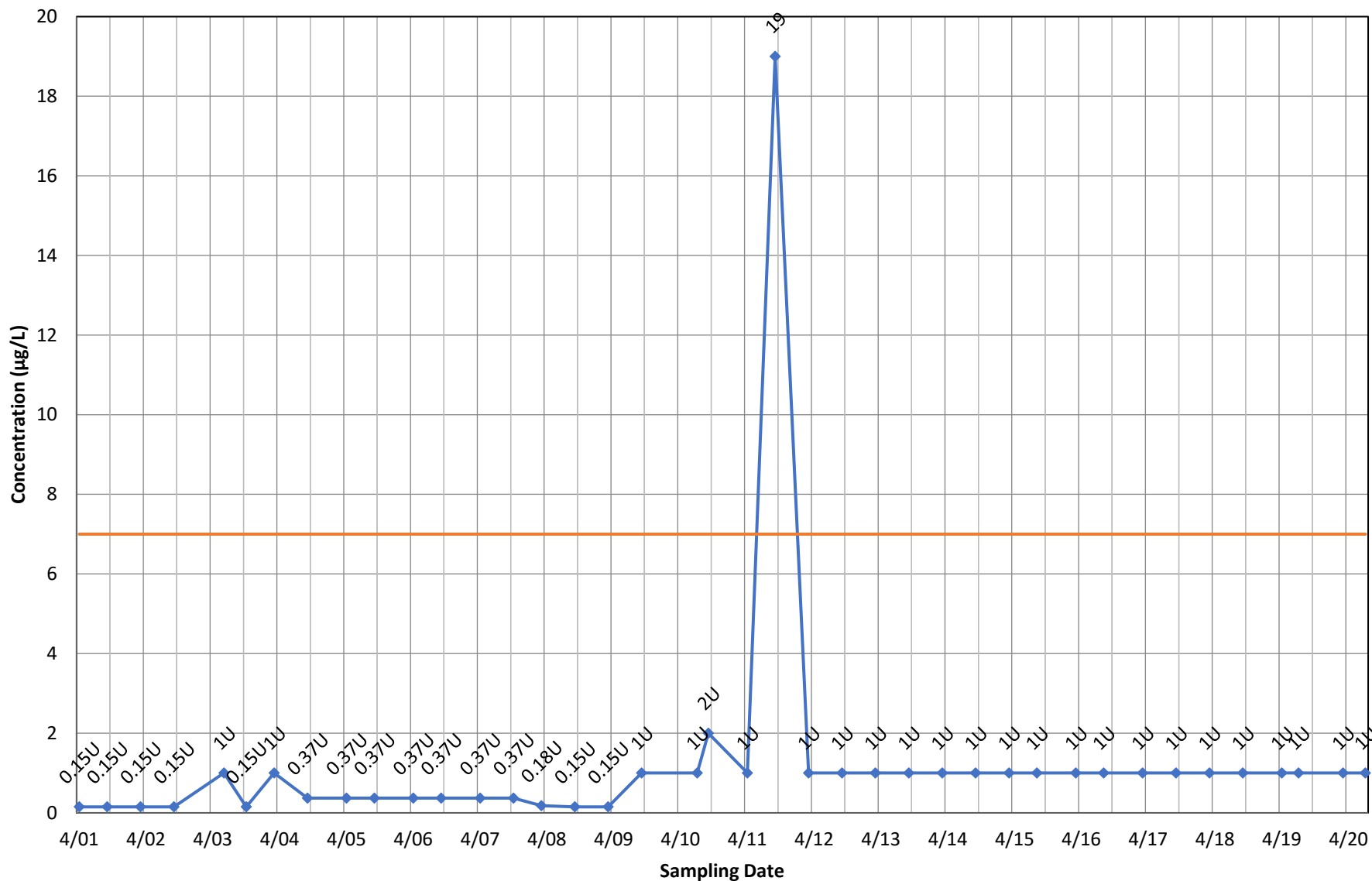


### Monitoring Well OB06 - Mercury, total



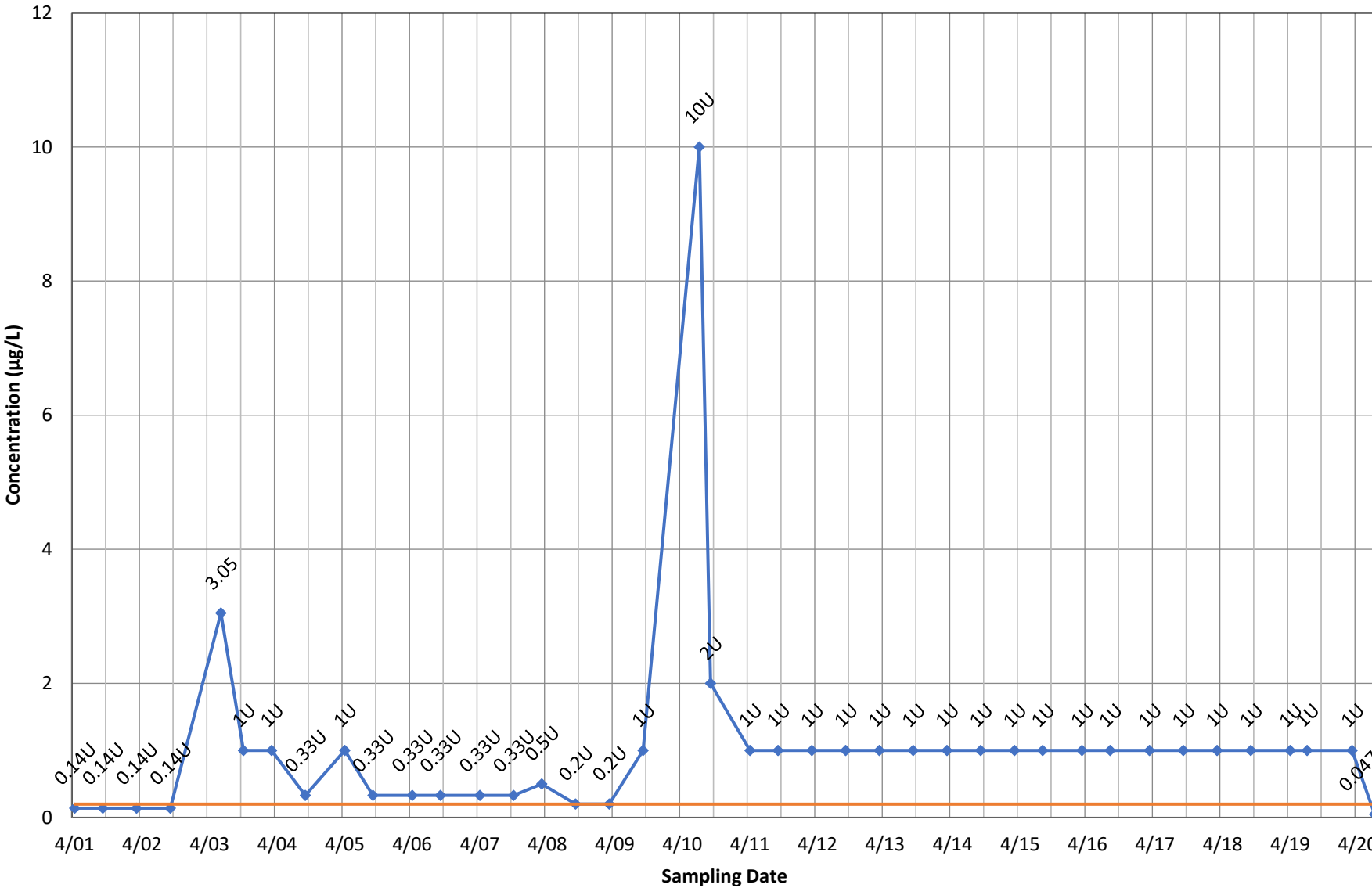
◆ Concentration    — Current MCL

# Monitoring Well OB07 - 1,1-Dichloroethene



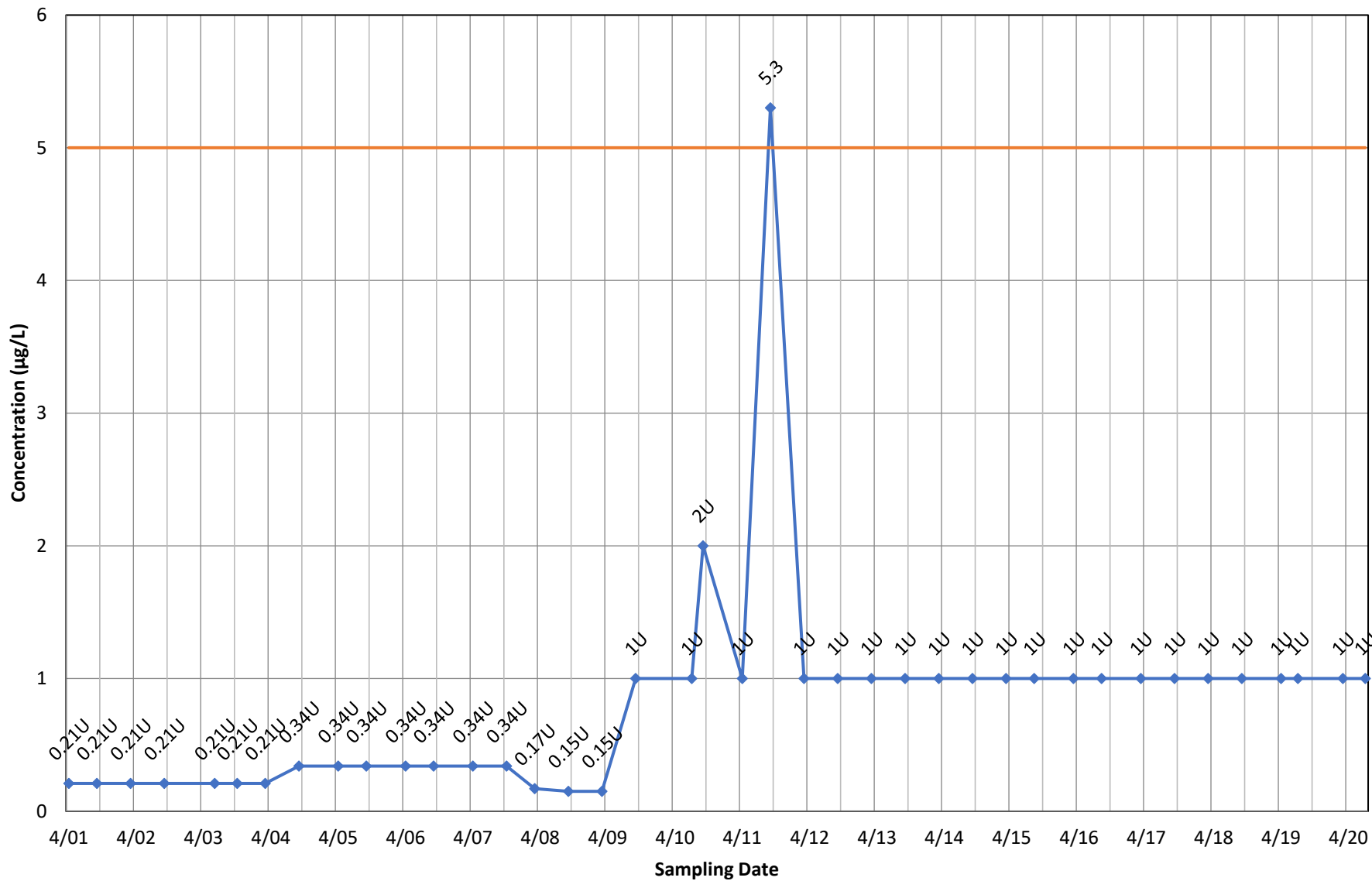
◆ Concentration    — Current MCL

# Monitoring Well OB07 - 1,2-Dibromo-3-chloropropane



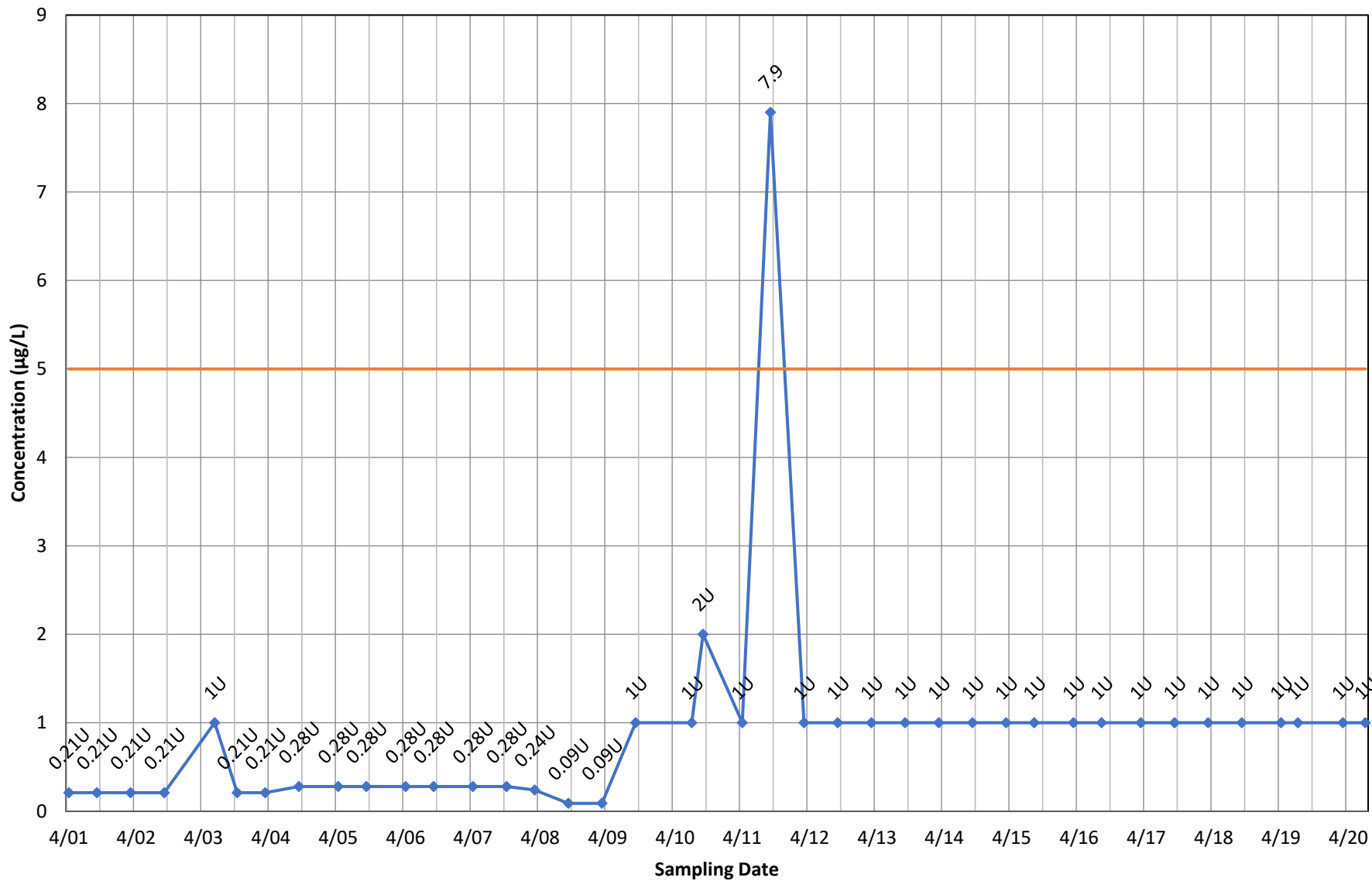
◆ Concentration    — Current MCL

### Monitoring Well OB07 - 1,2-Dichloropropane



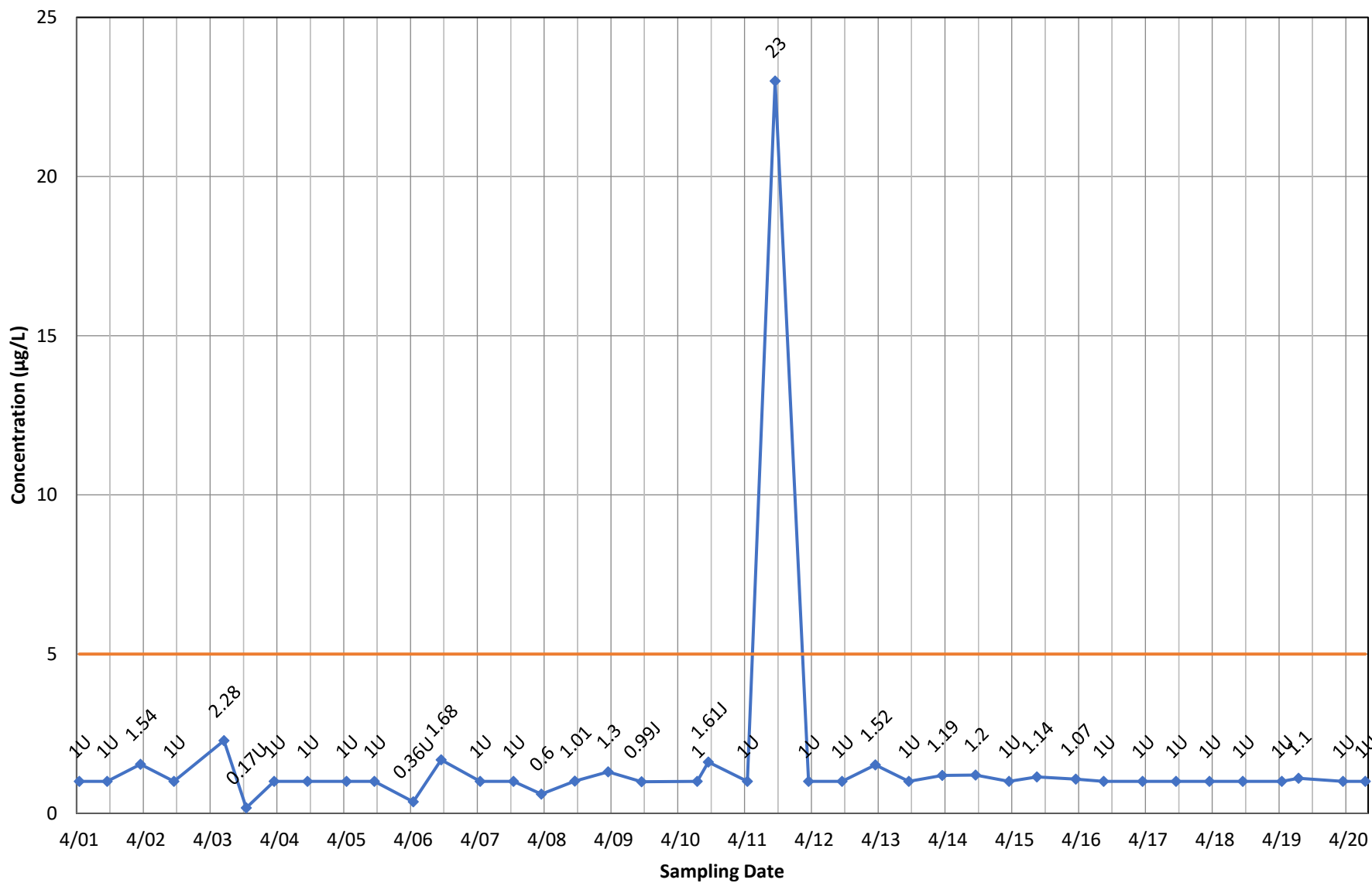
◆ Concentration    — Current MCL

### Monitoring Well OB07 - Benzene



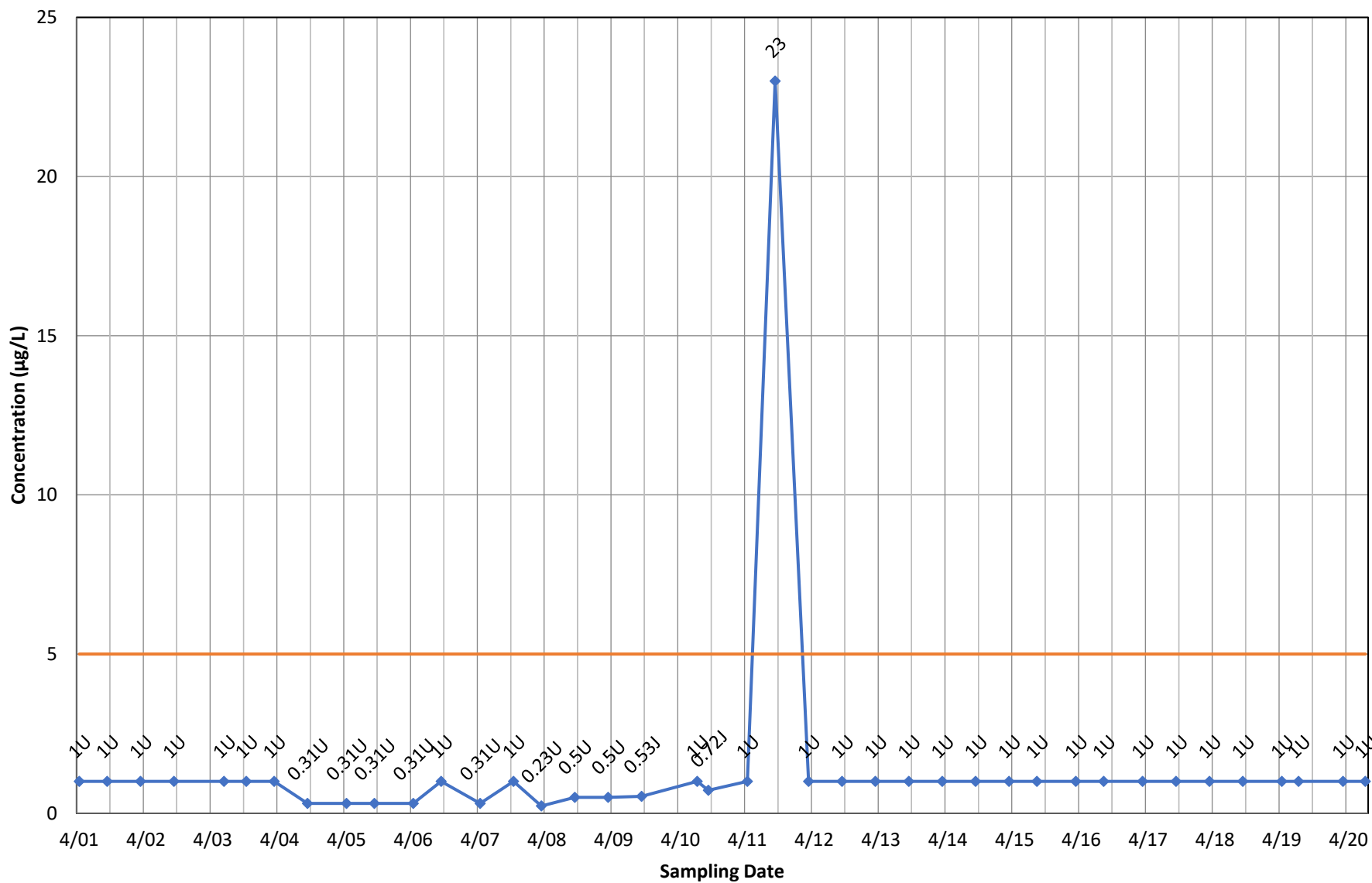
◆ Concentration    — Current MCL

### Monitoring Well OB07 - Tetrachloroethene



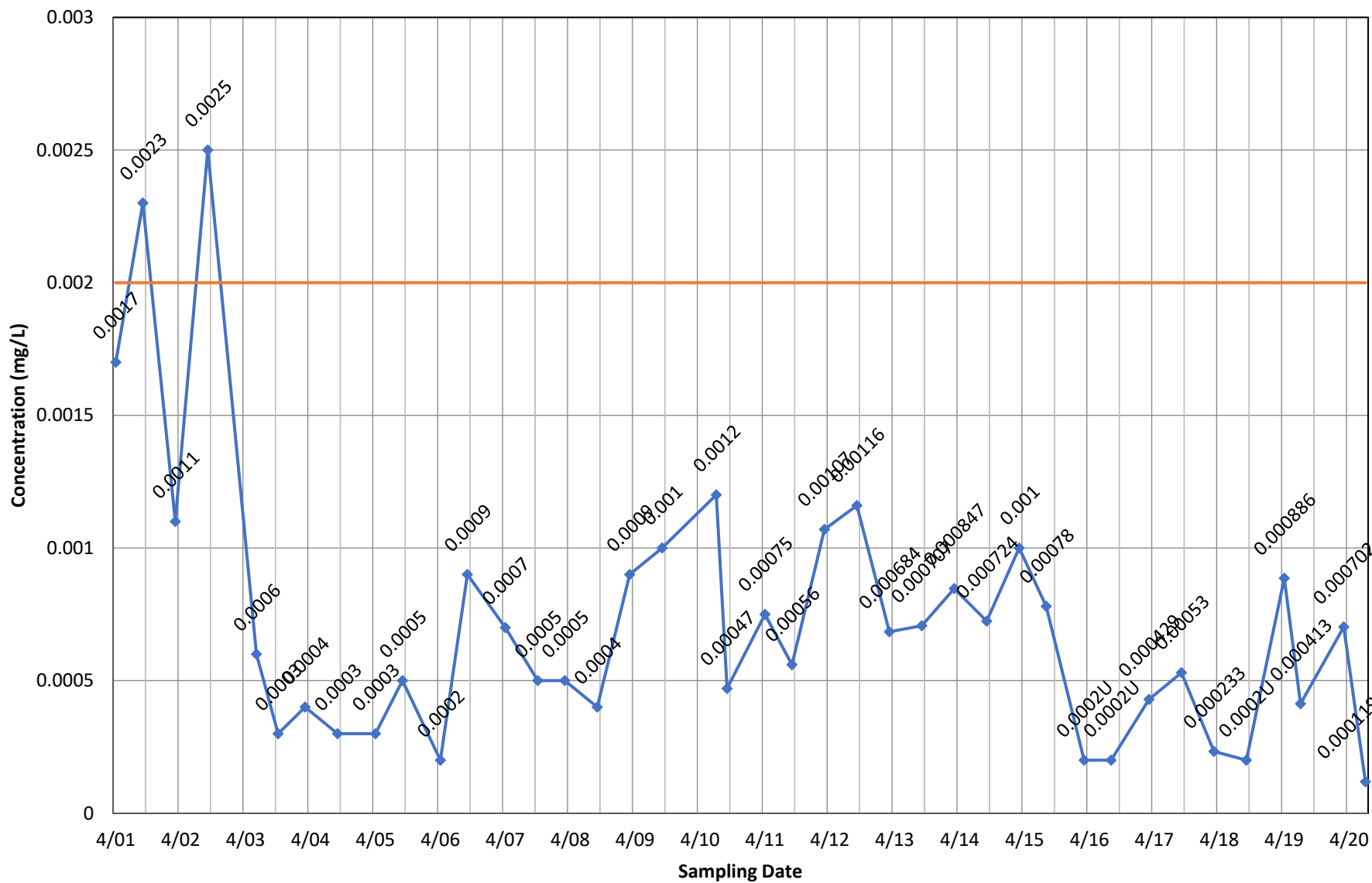
◆ Concentration    — Current MCL

# Monitoring Well OB07 - Trichloroethene



◆ Concentration    — Current MCL

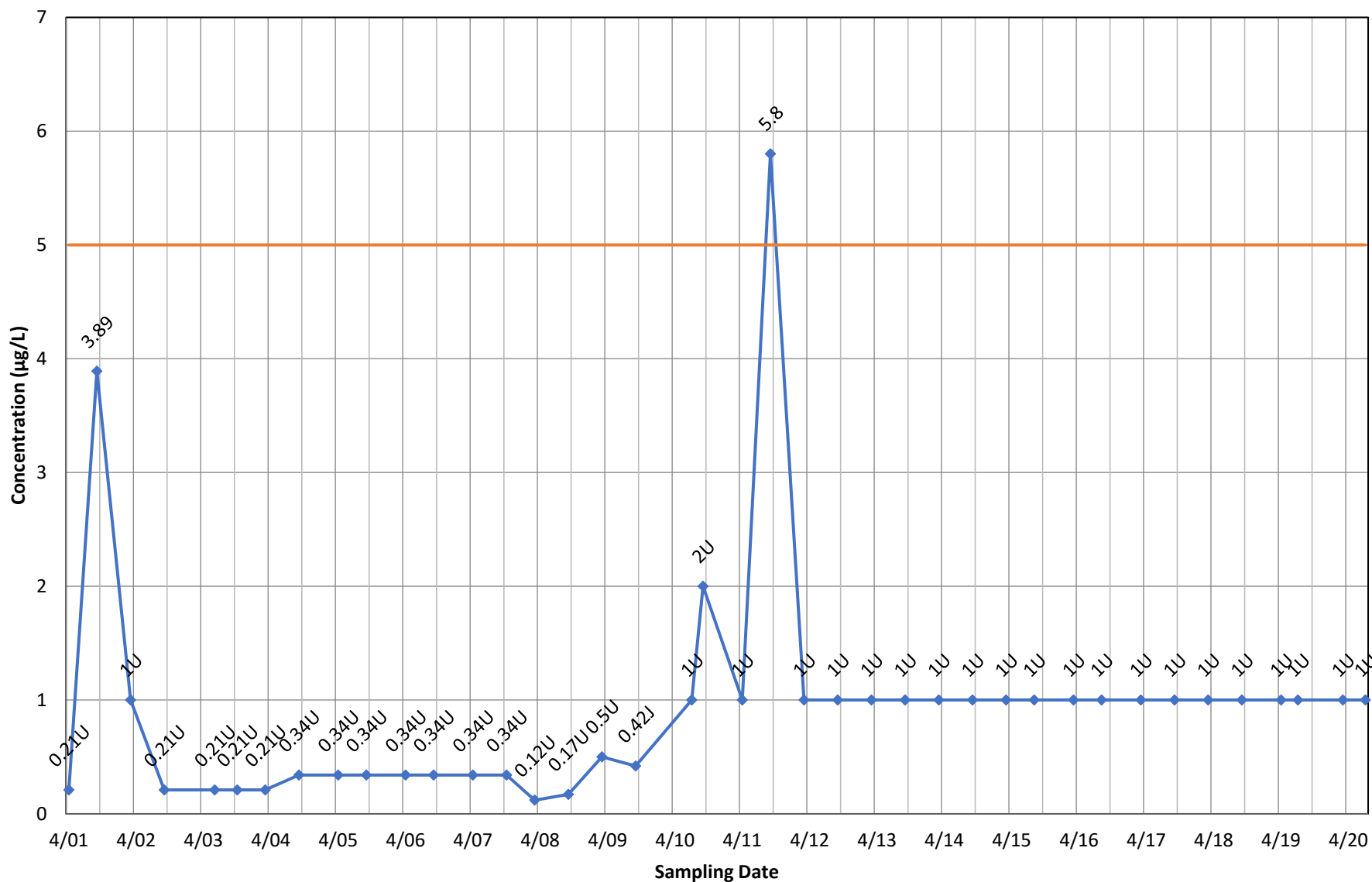
### Monitoring Well OB07A - Mercury, total



◆ Concentration    — Current MCL

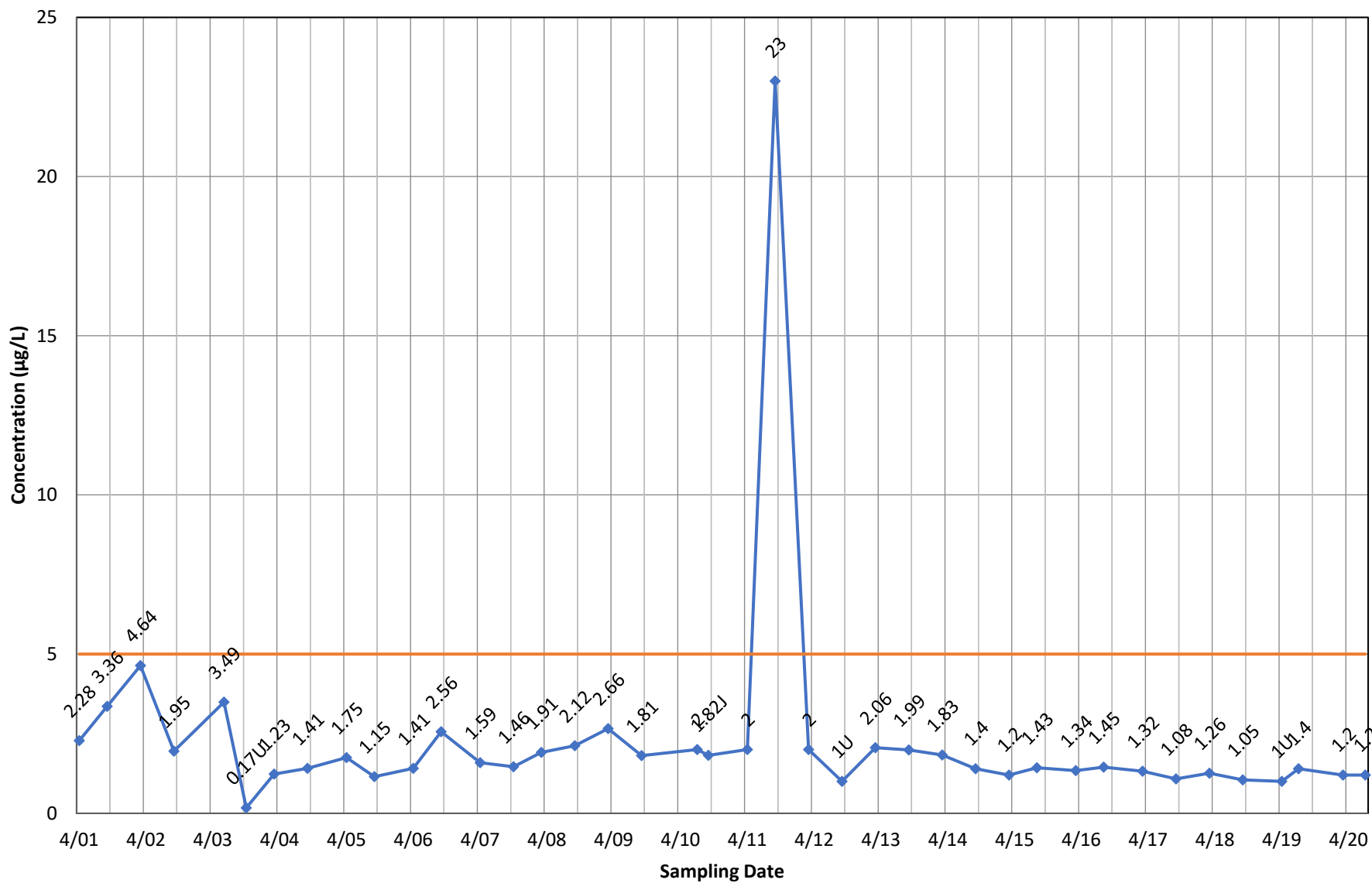


### Monitoring Well OB07A - Methylene Chloride



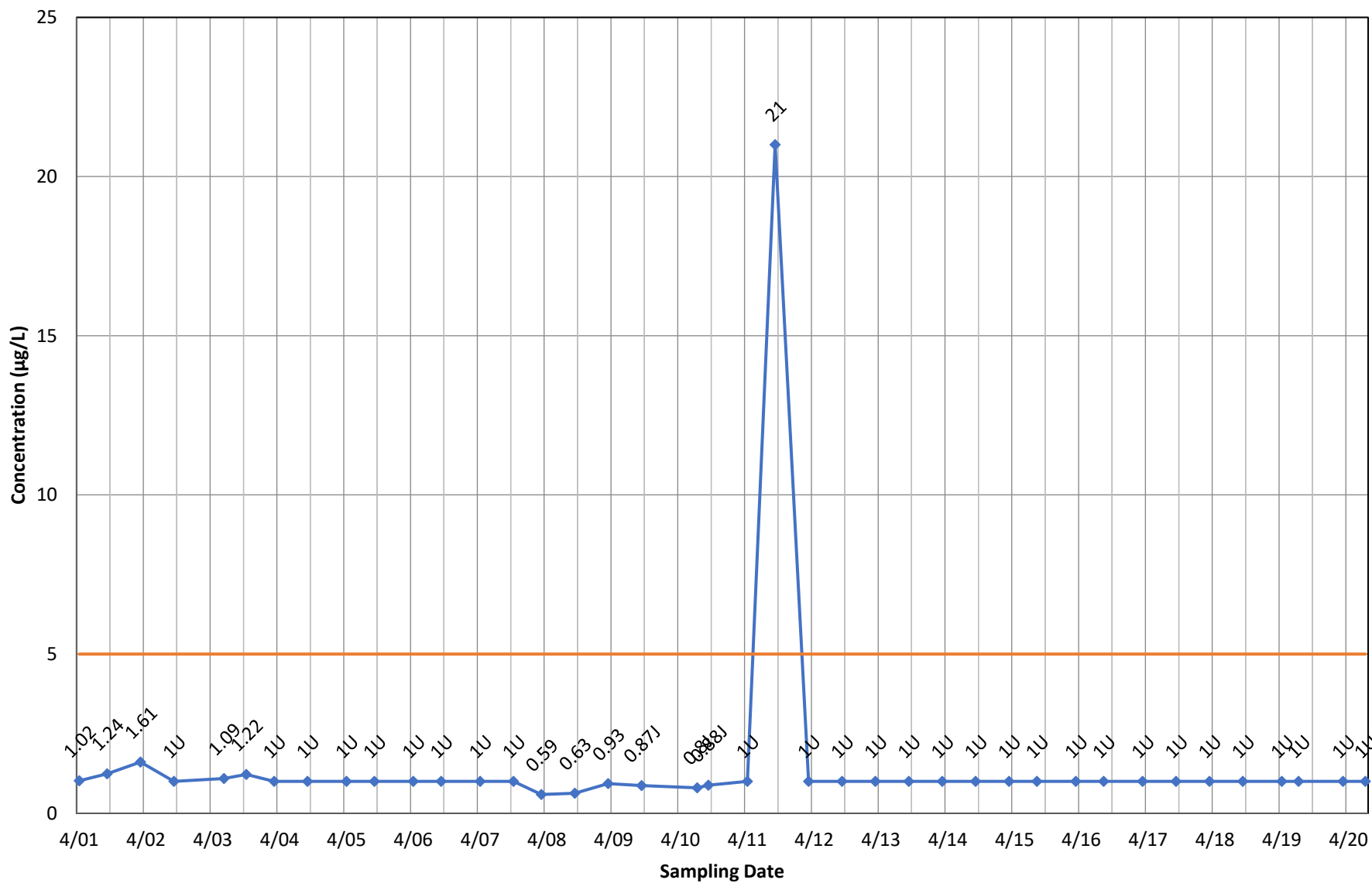
◆ Concentration    — Current MCL

### Monitoring Well OB07A - Tetrachloroethene



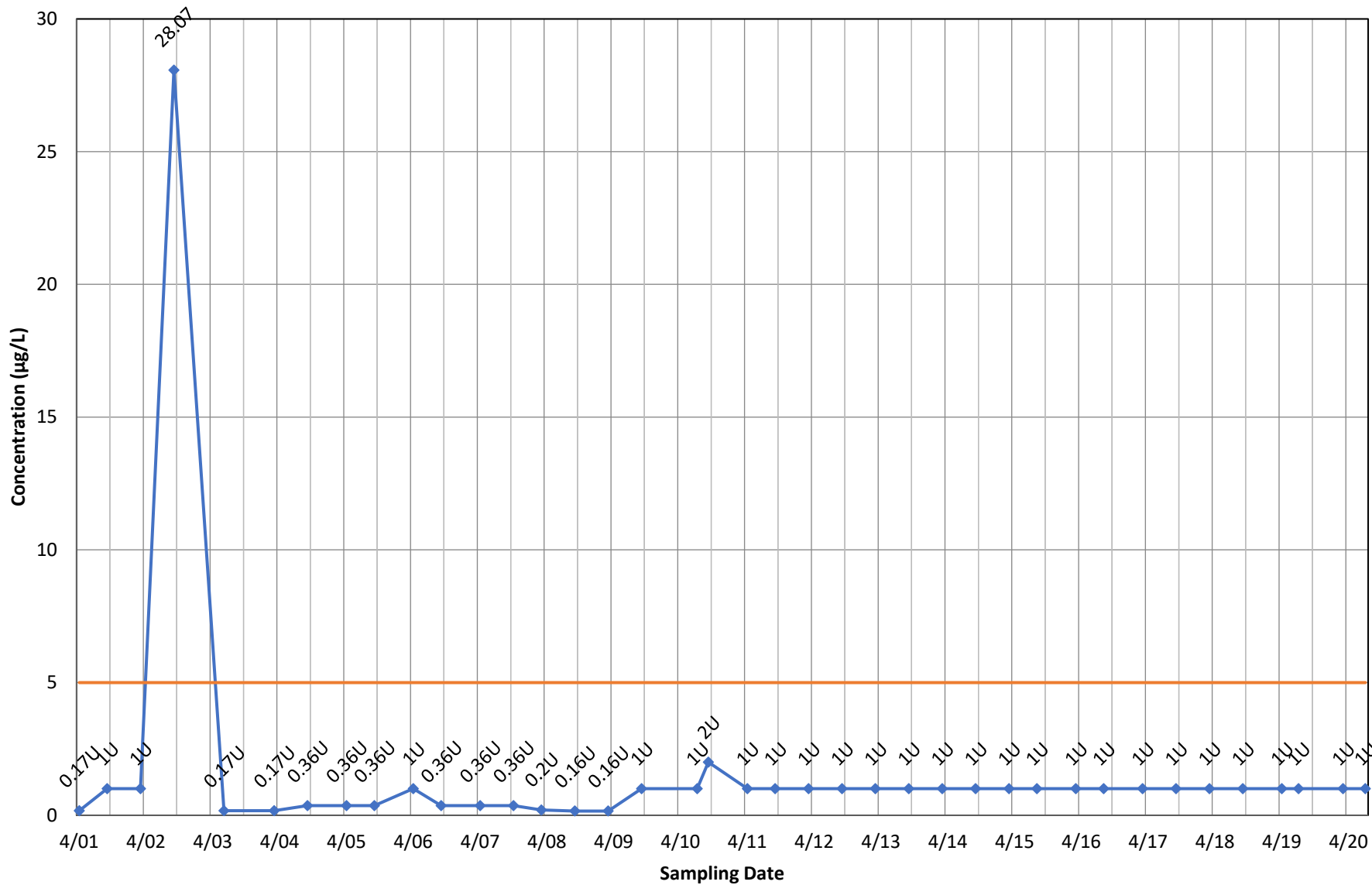
◆ Concentration    — Current MCL

### Monitoring Well OB07A - Trichloroethene



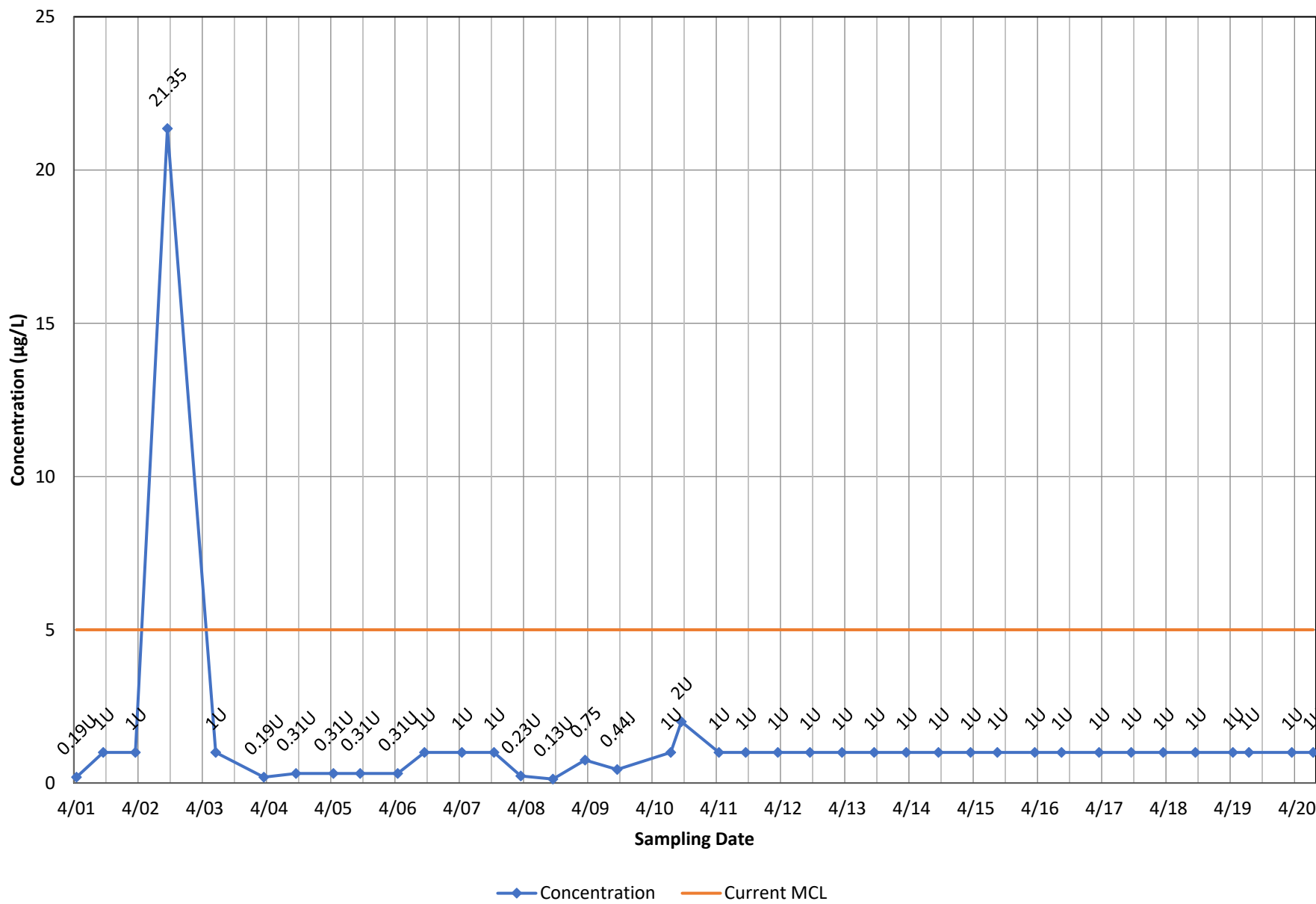
◆ Concentration    — Current MCL

### Monitoring Well OB08 - Tetrachloroethene

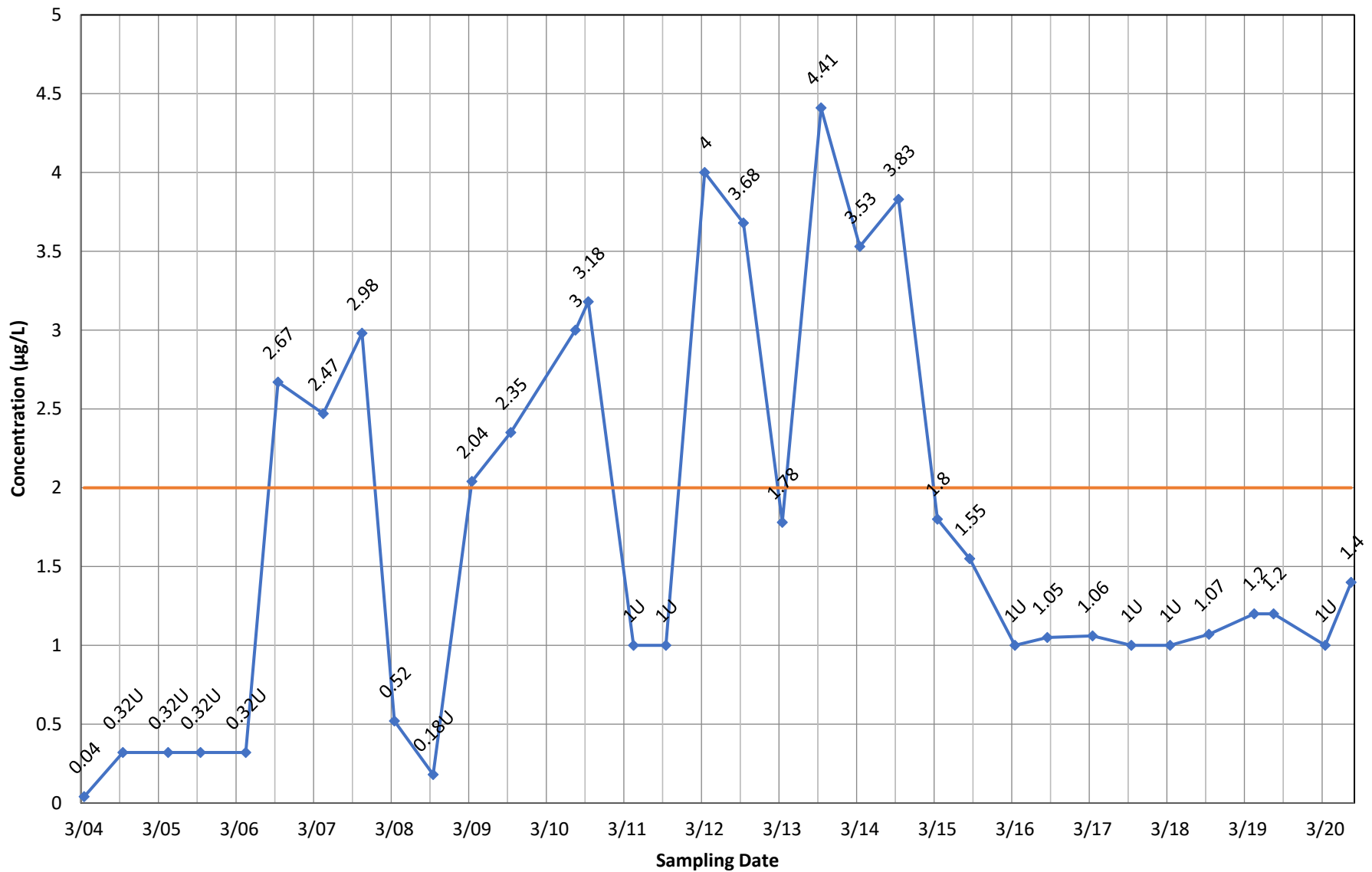


◆ Concentration    — Current MCL

### Monitoring Well OB08 - Trichloroethene

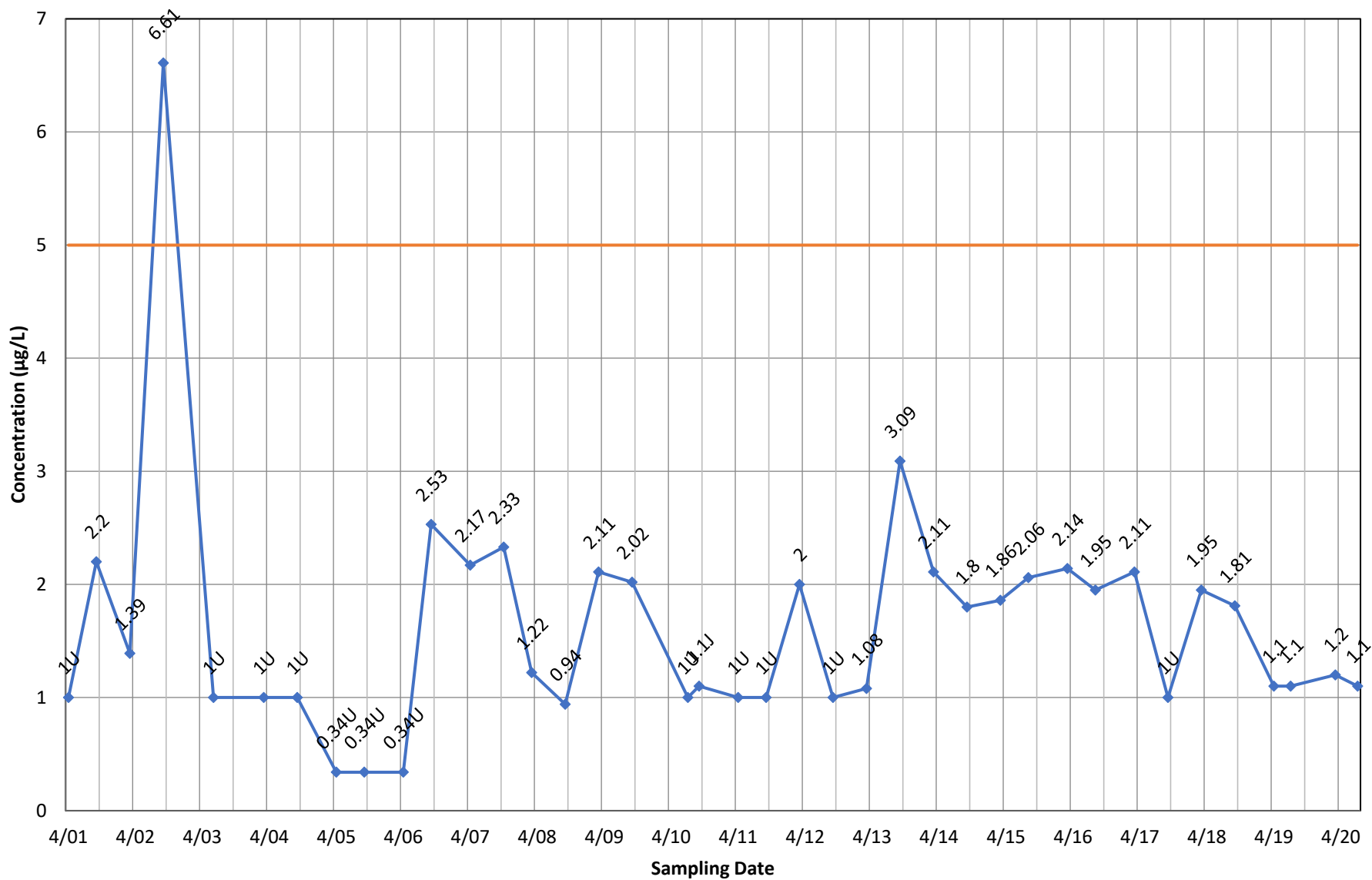


# Monitoring Well OB08 - Vinyl Chloride



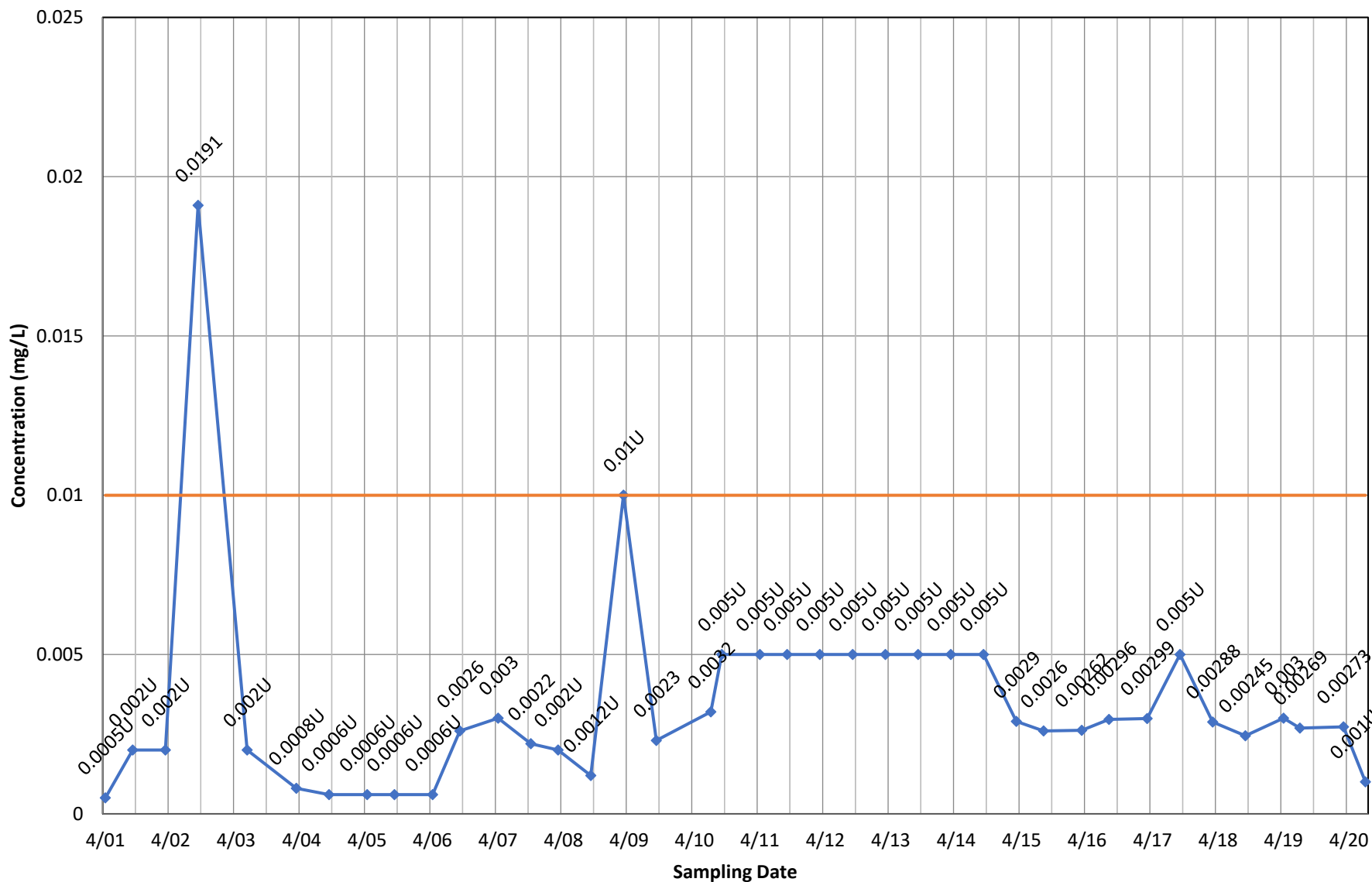
◆ Concentration    — Current MCL

# Monitoring Well OB08A - 1,2-Dichloropropane



◆ Concentration    — Current MCL

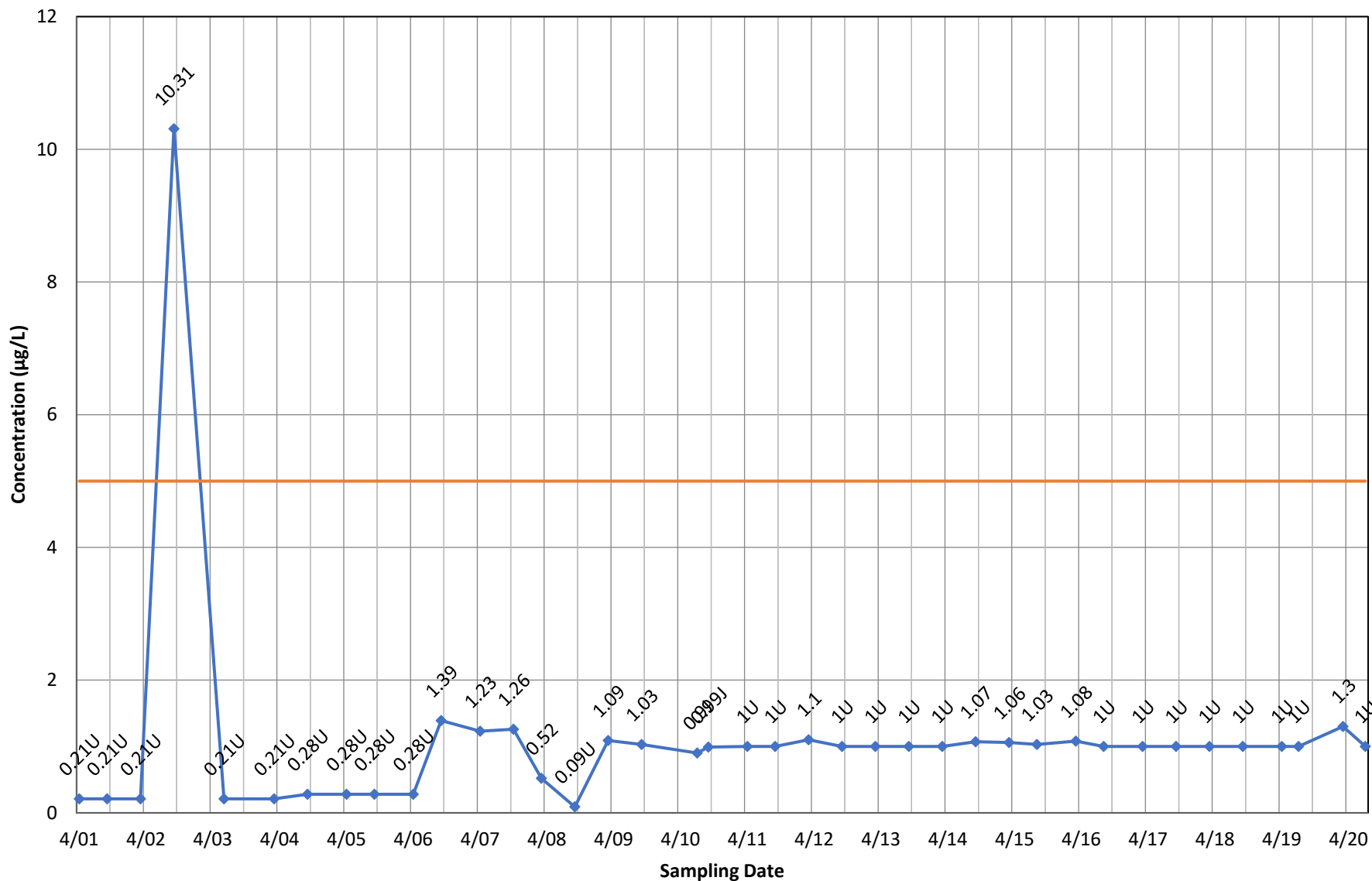
### Monitoring Well OB08A - Arsenic, total



◆ Concentration    — Current MCL

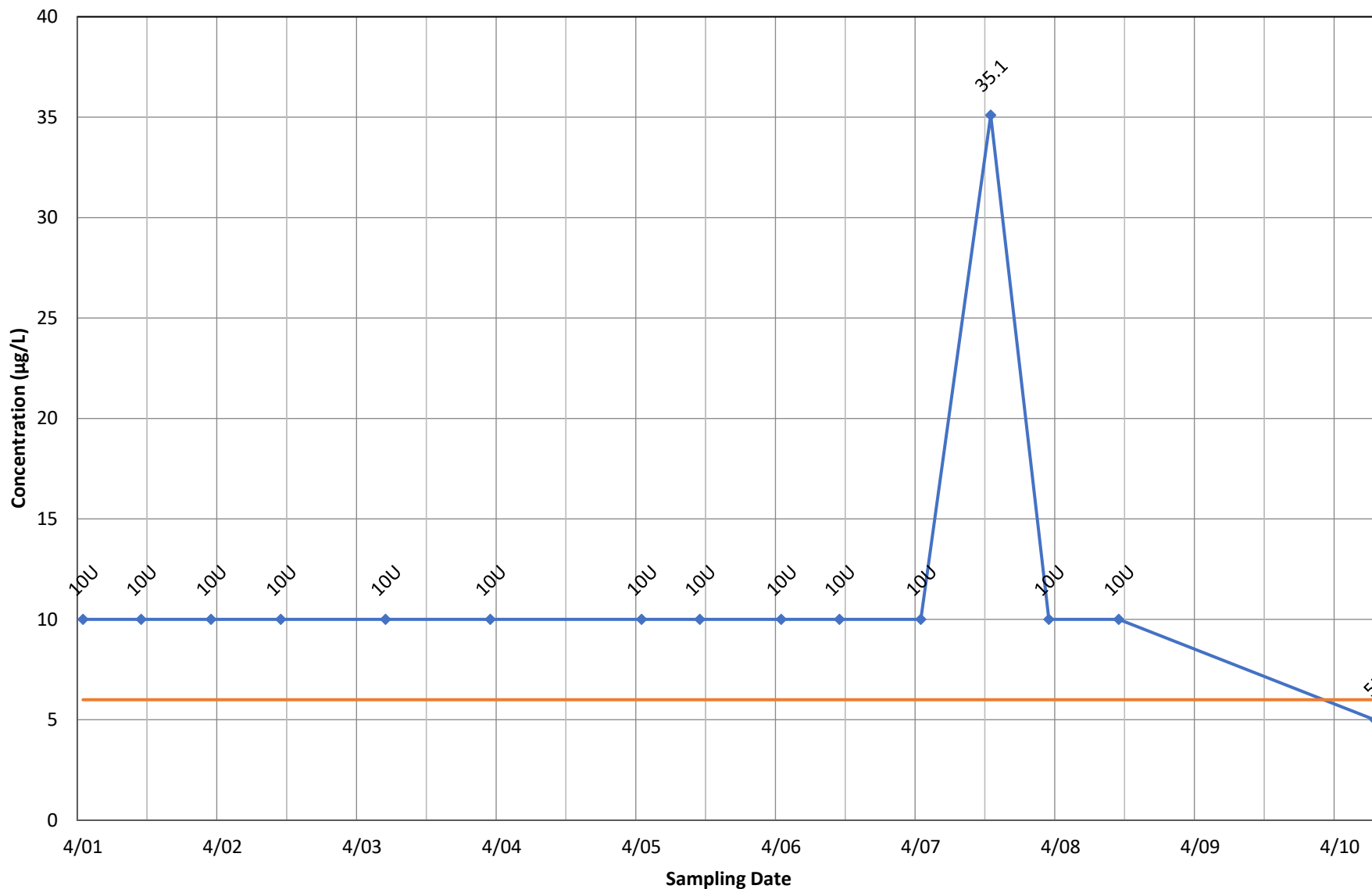


### Monitoring Well OB08A - Benzene



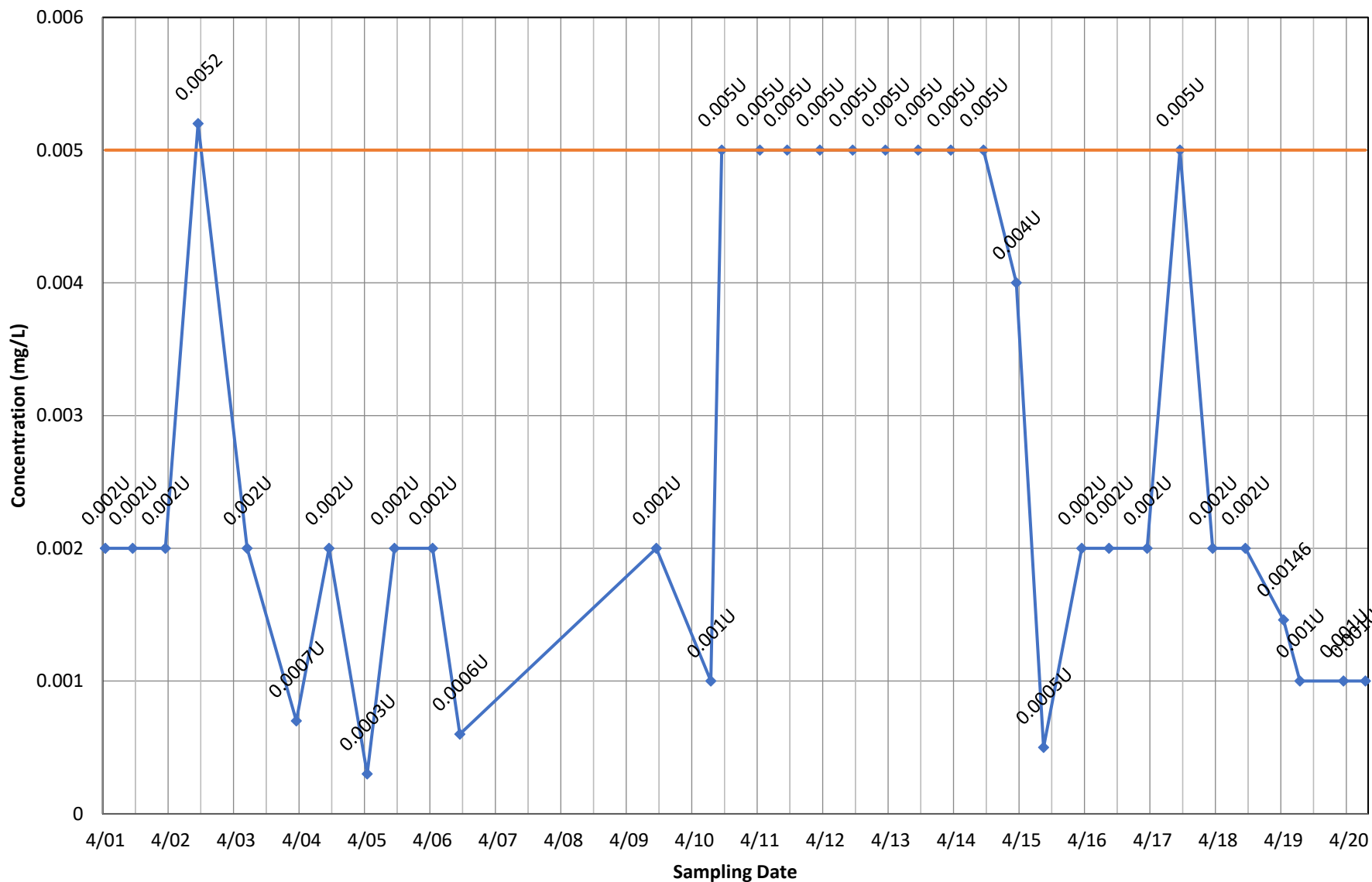
◆ Concentration    — Current MCL

### Monitoring Well OB08A - Bis(2-Ethylhexyl) Phthalate



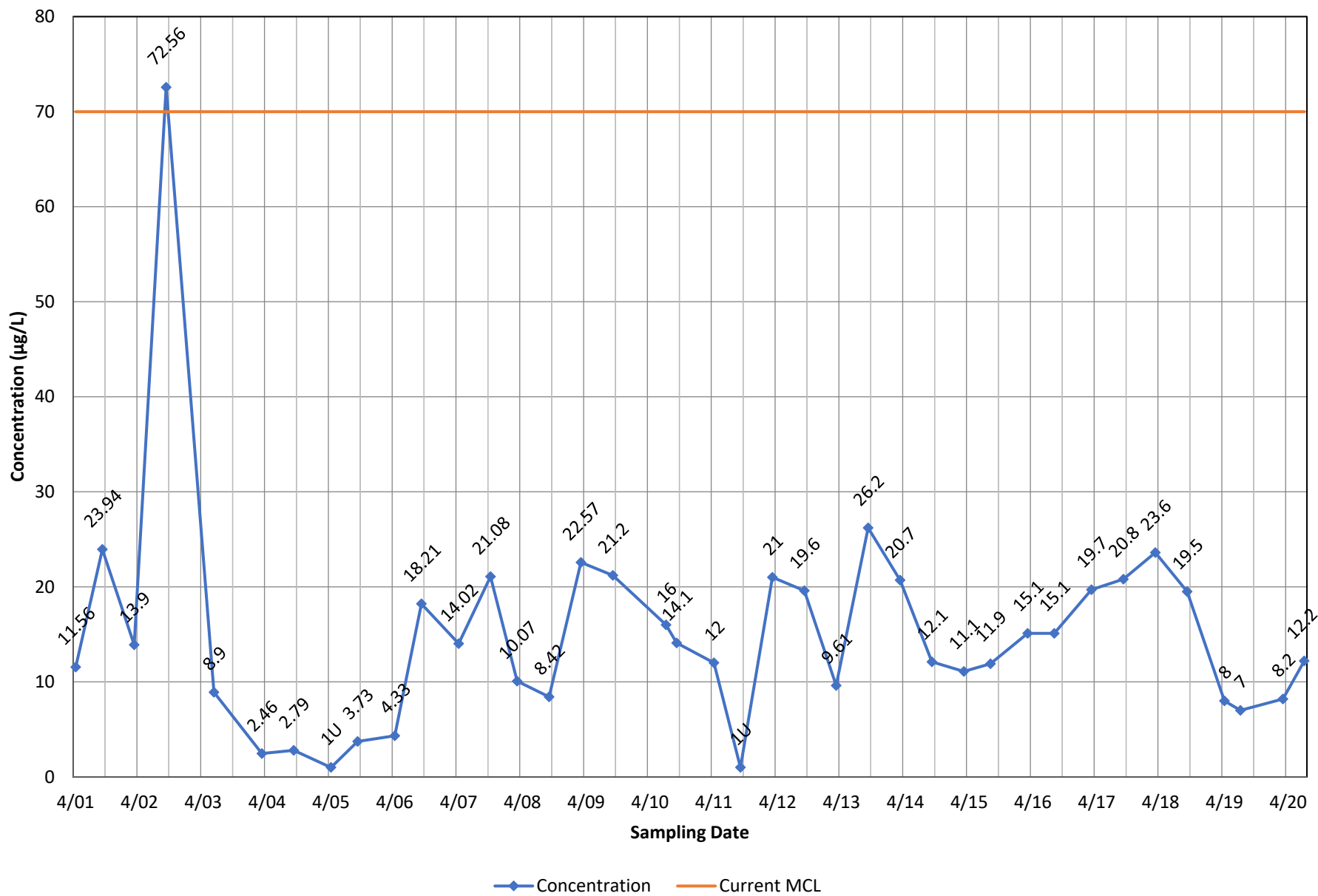
◆ Concentration    — Current MCL

### Monitoring Well OB08A - Cadmium, total

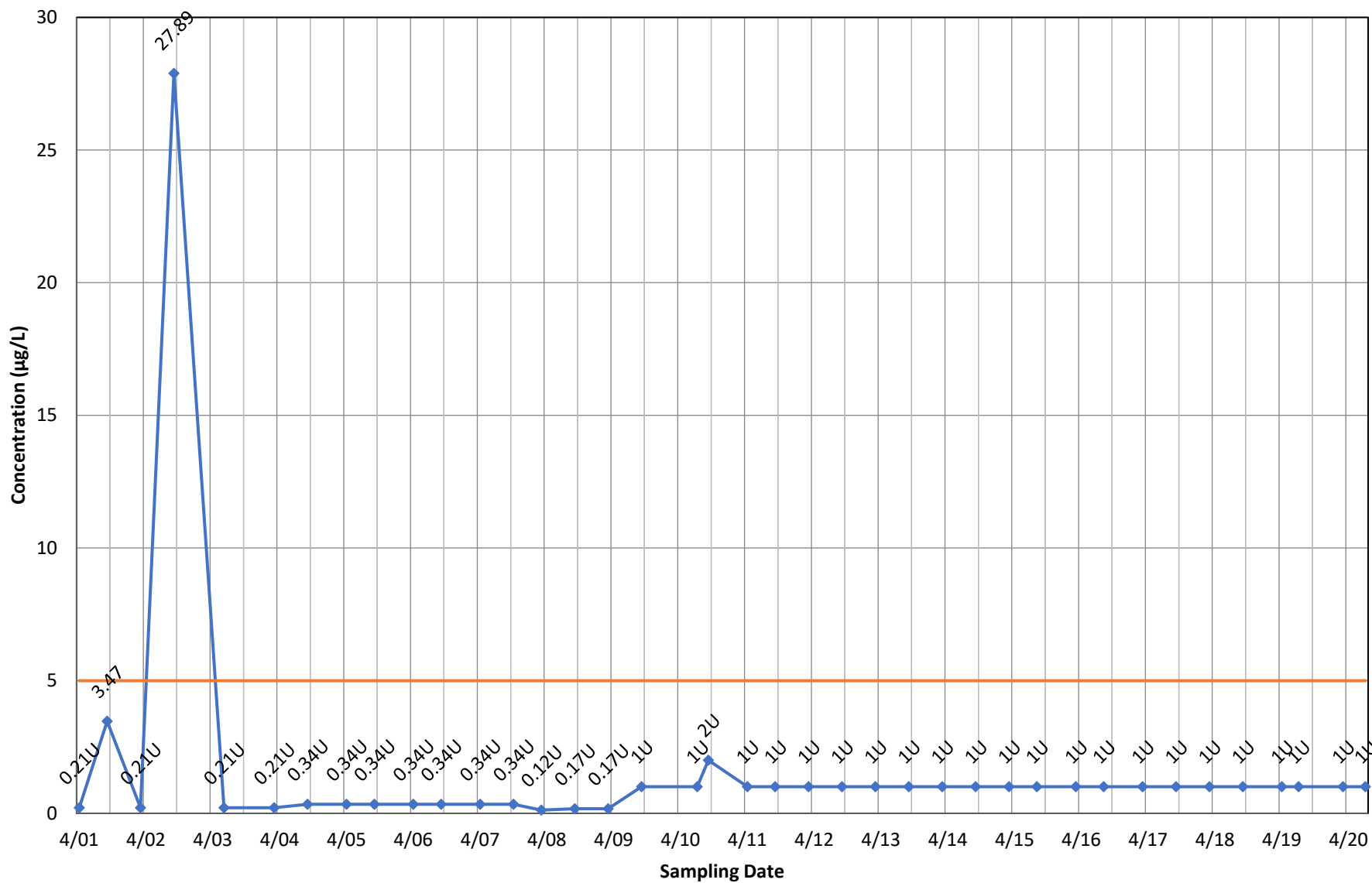


◆ Concentration    — Current MCL

### Monitoring Well OB08A - cis-1,2-Dichloroethene

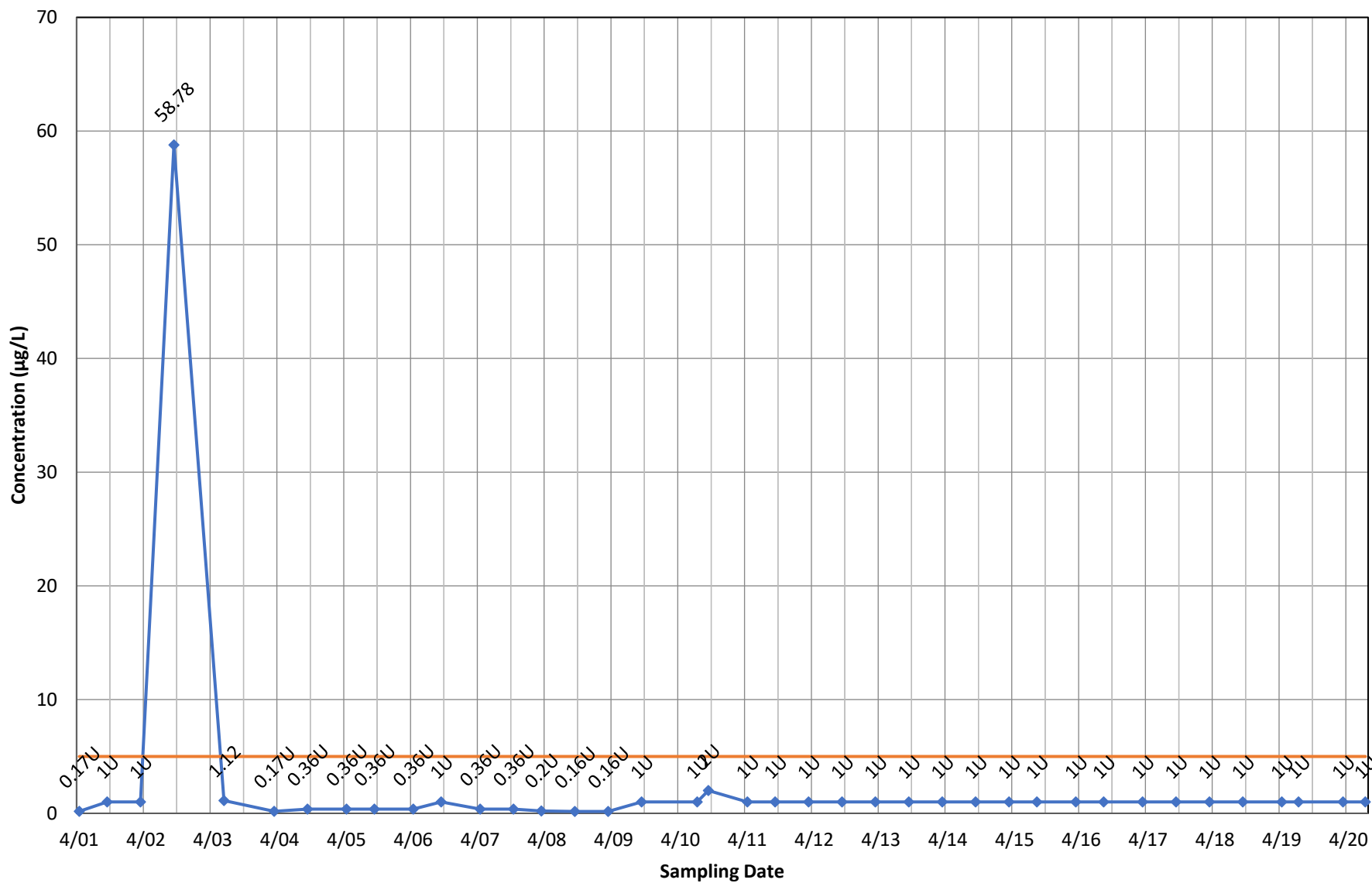


# Monitoring Well OB08A - Methylene Chloride



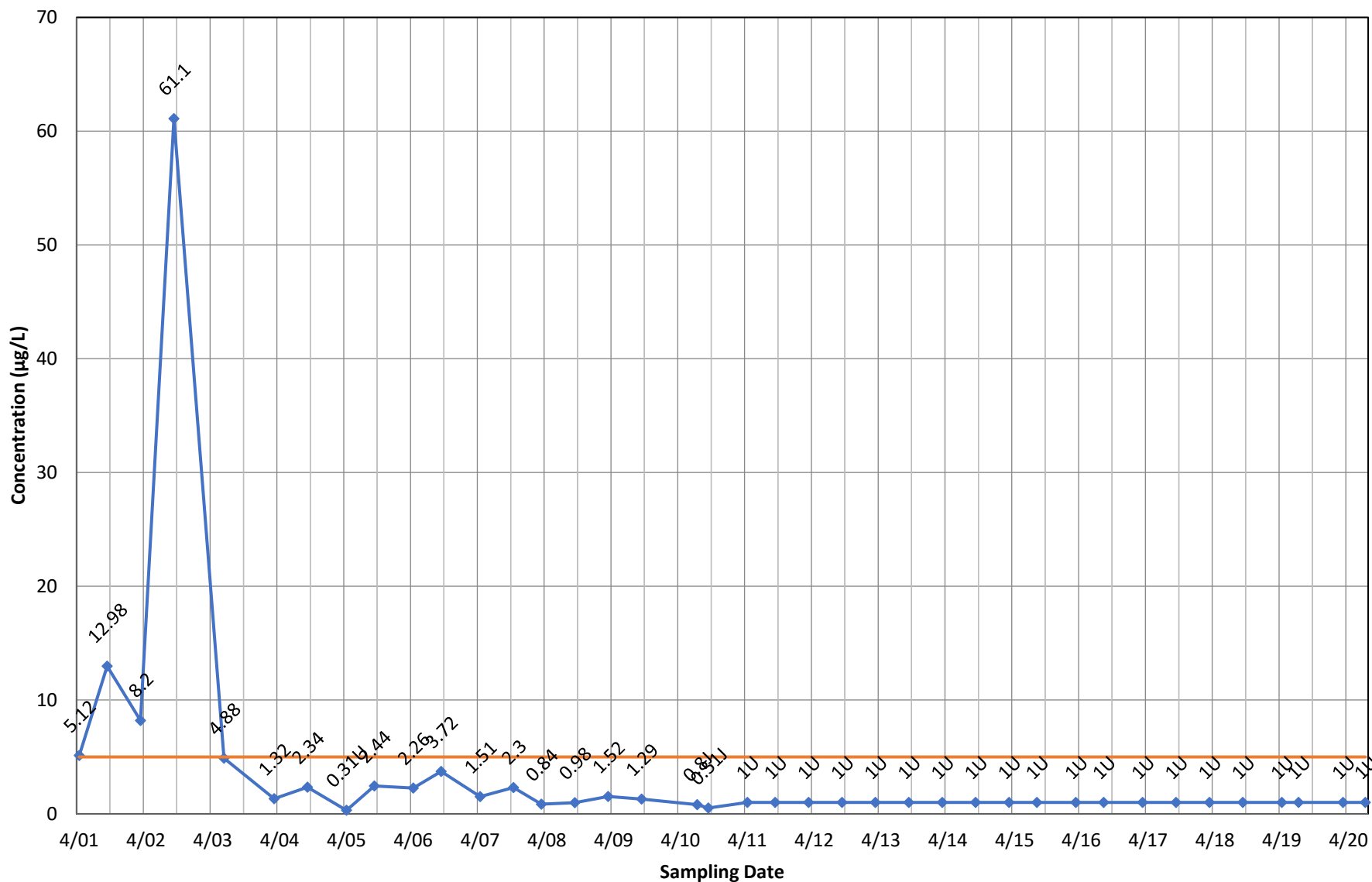
◆ Concentration    — Current MCL

# Monitoring Well OB08A - Tetrachloroethene



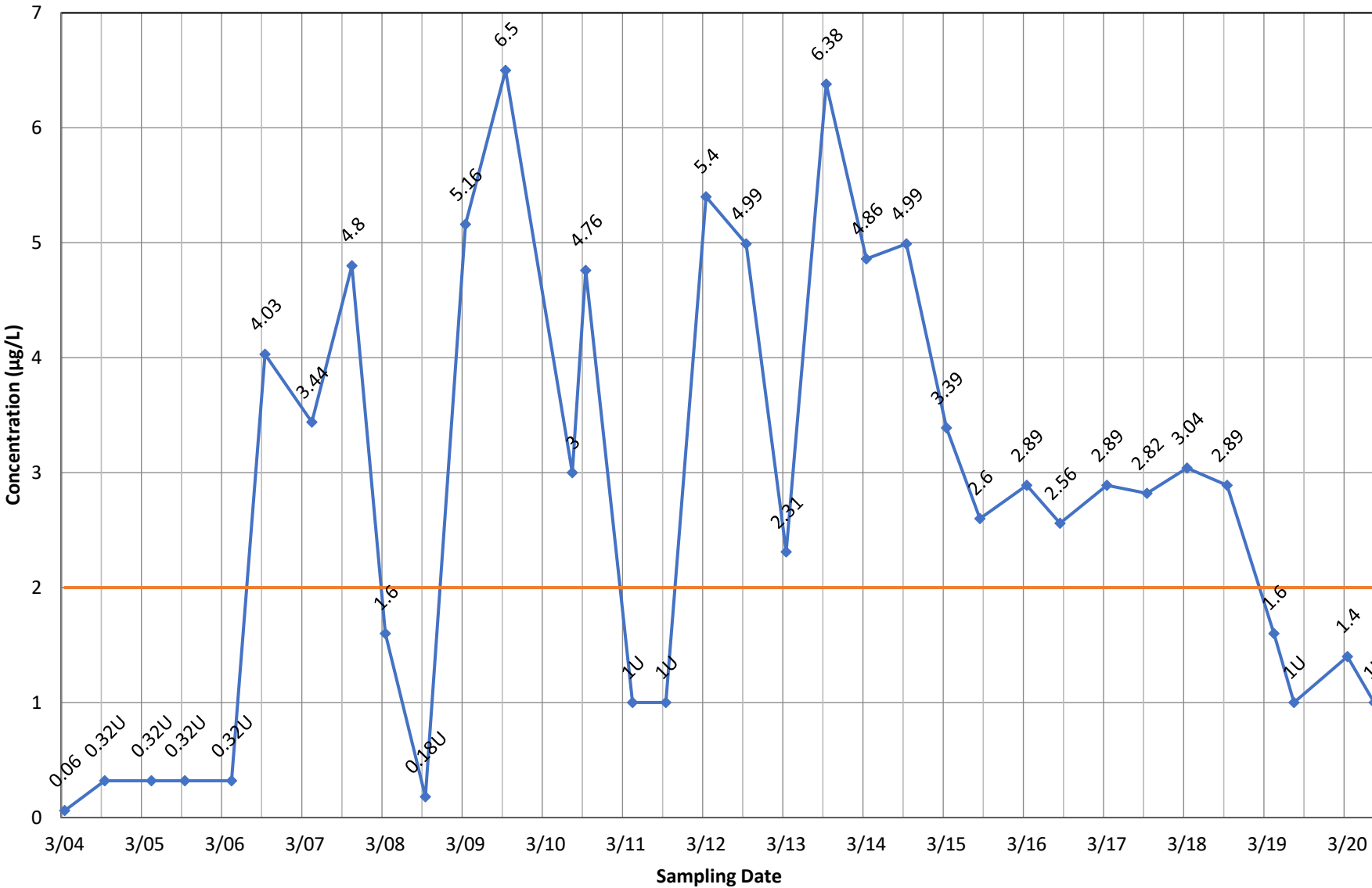
◆ Concentration    — Current MCL

### Monitoring Well OB08A - Trichloroethene



◆ Concentration    — Current MCL

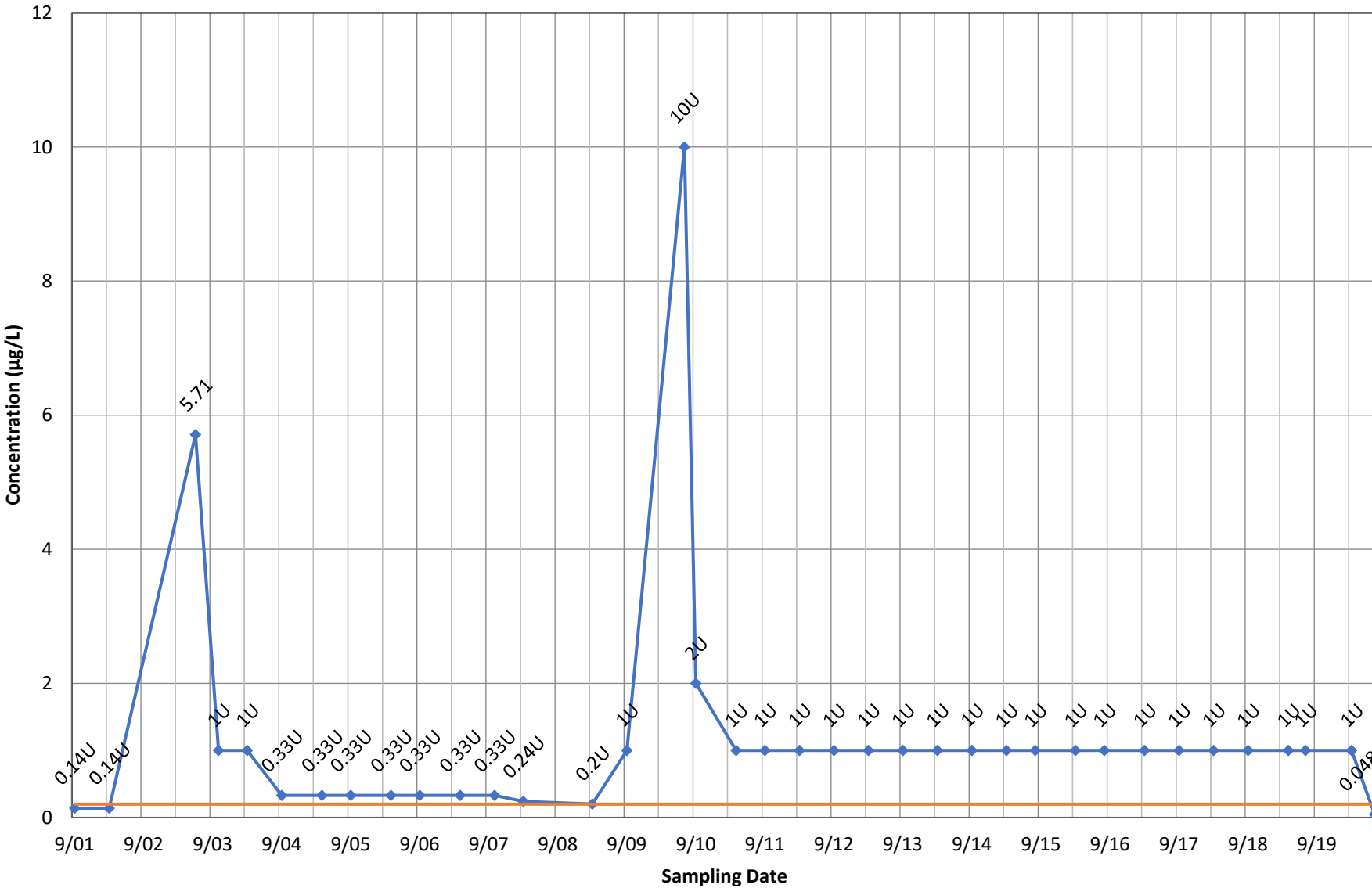
### Monitoring Well OB08A - Vinyl Chloride



◆ Concentration    — Current MCL

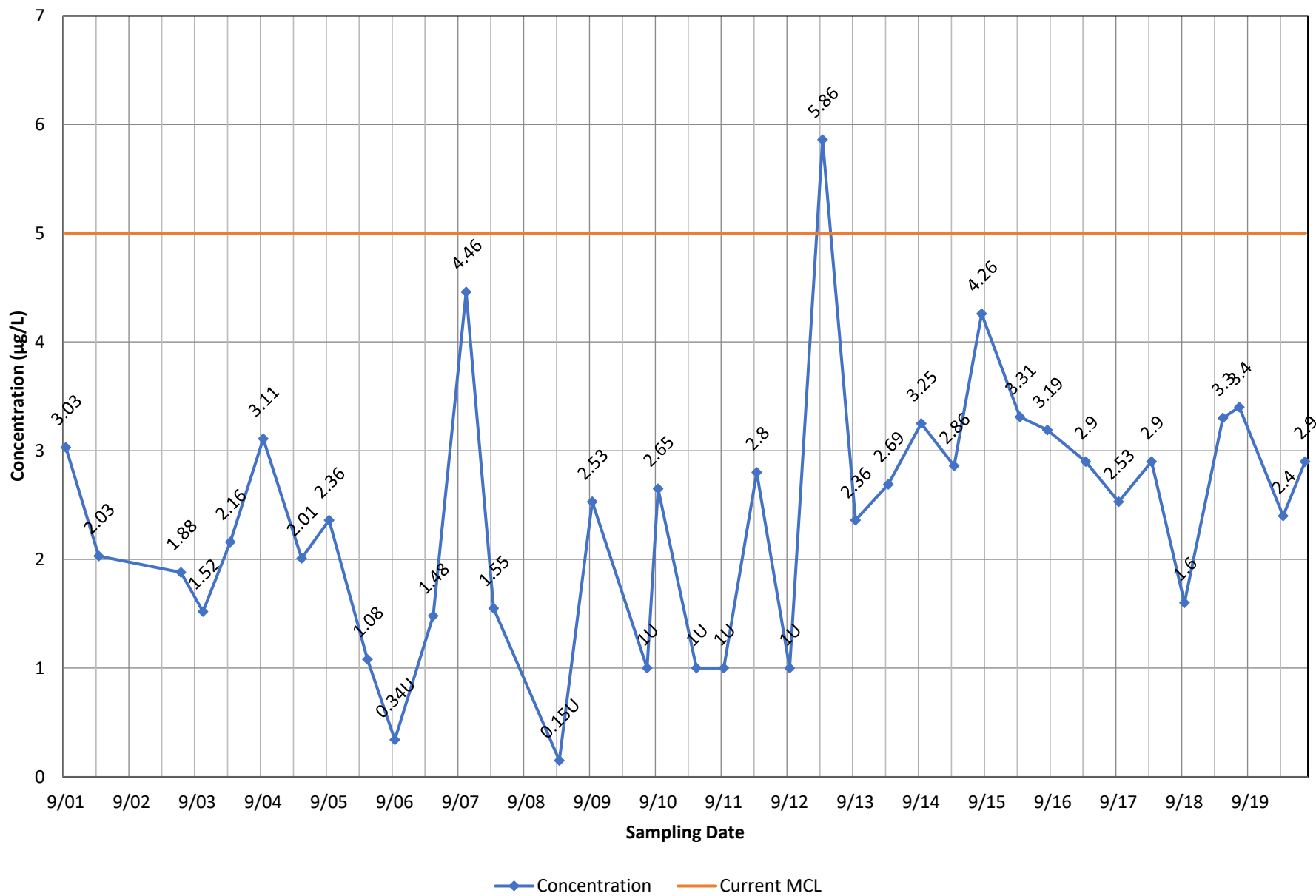


### Monitoring Well OB10 - 1,2-Dibromo-3-chloropropane

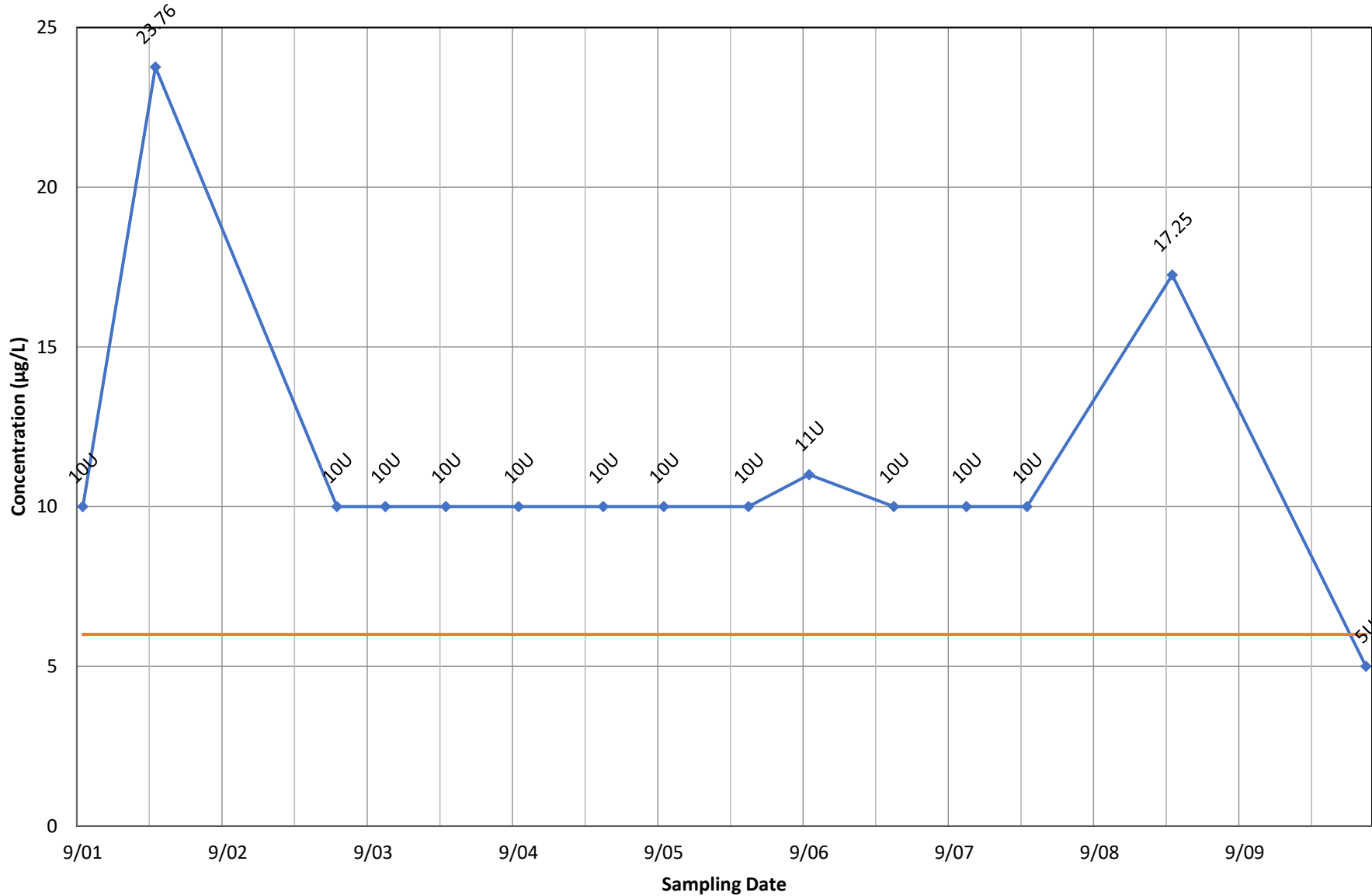


◆ Concentration    — Current MCL

# Monitoring Well OB10 - 1,2-Dichloropropane

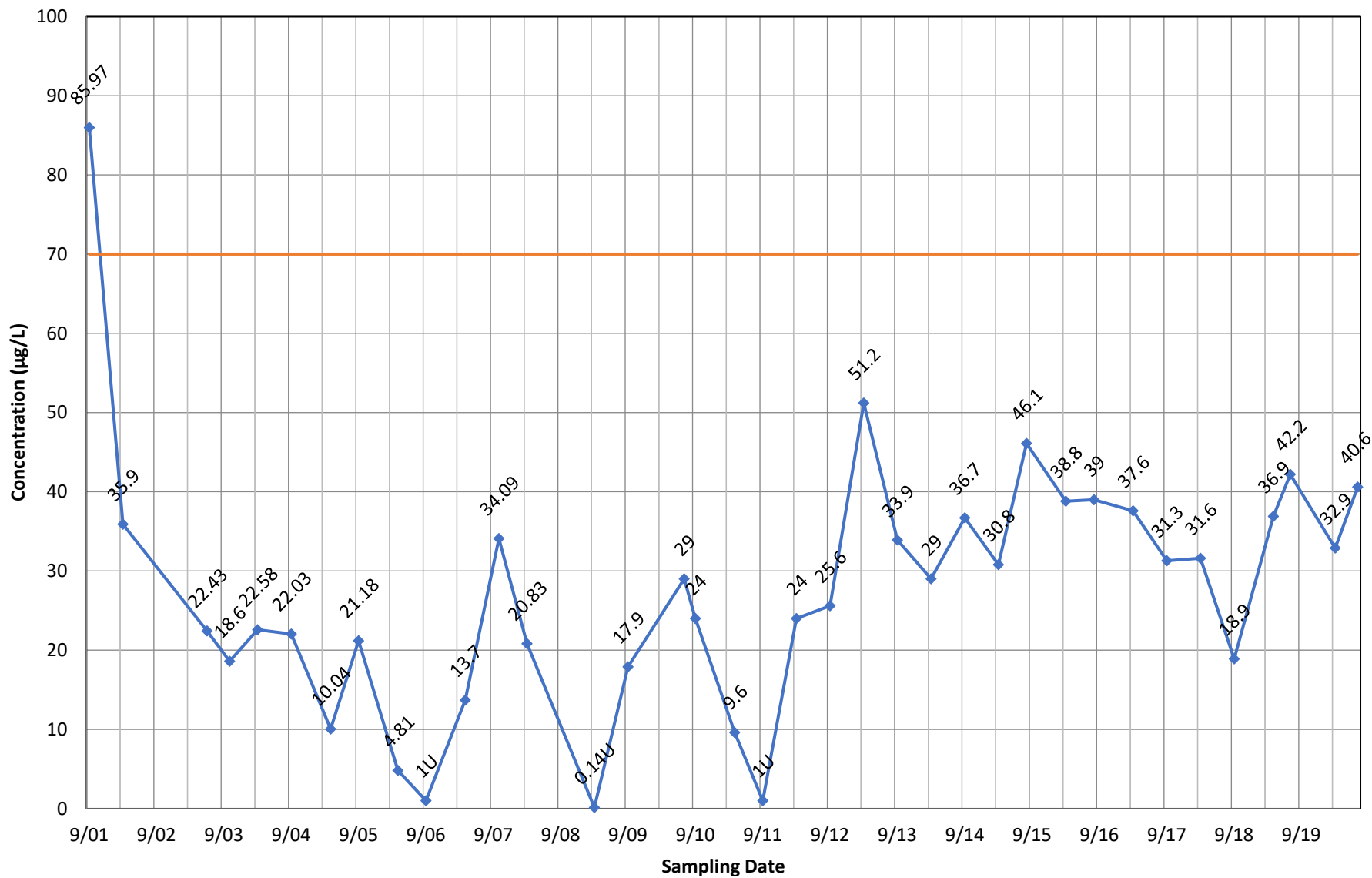


### Monitoring Well OB10 - Bis(2-Ethylhexyl) Phthalate



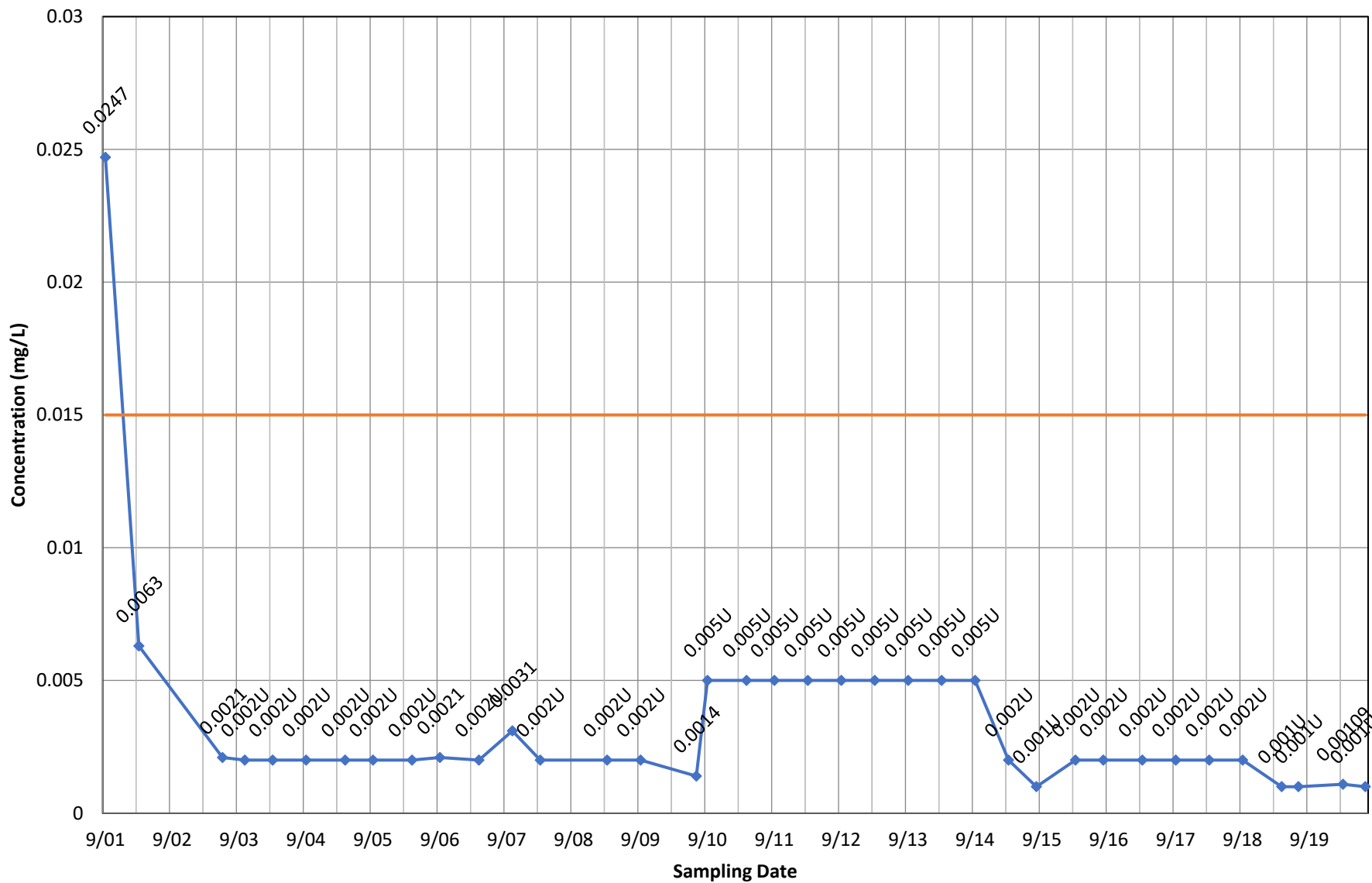
◆ Concentration    — Current MCL

# Monitoring Well OB10 - cis-1,2-Dichloroethene



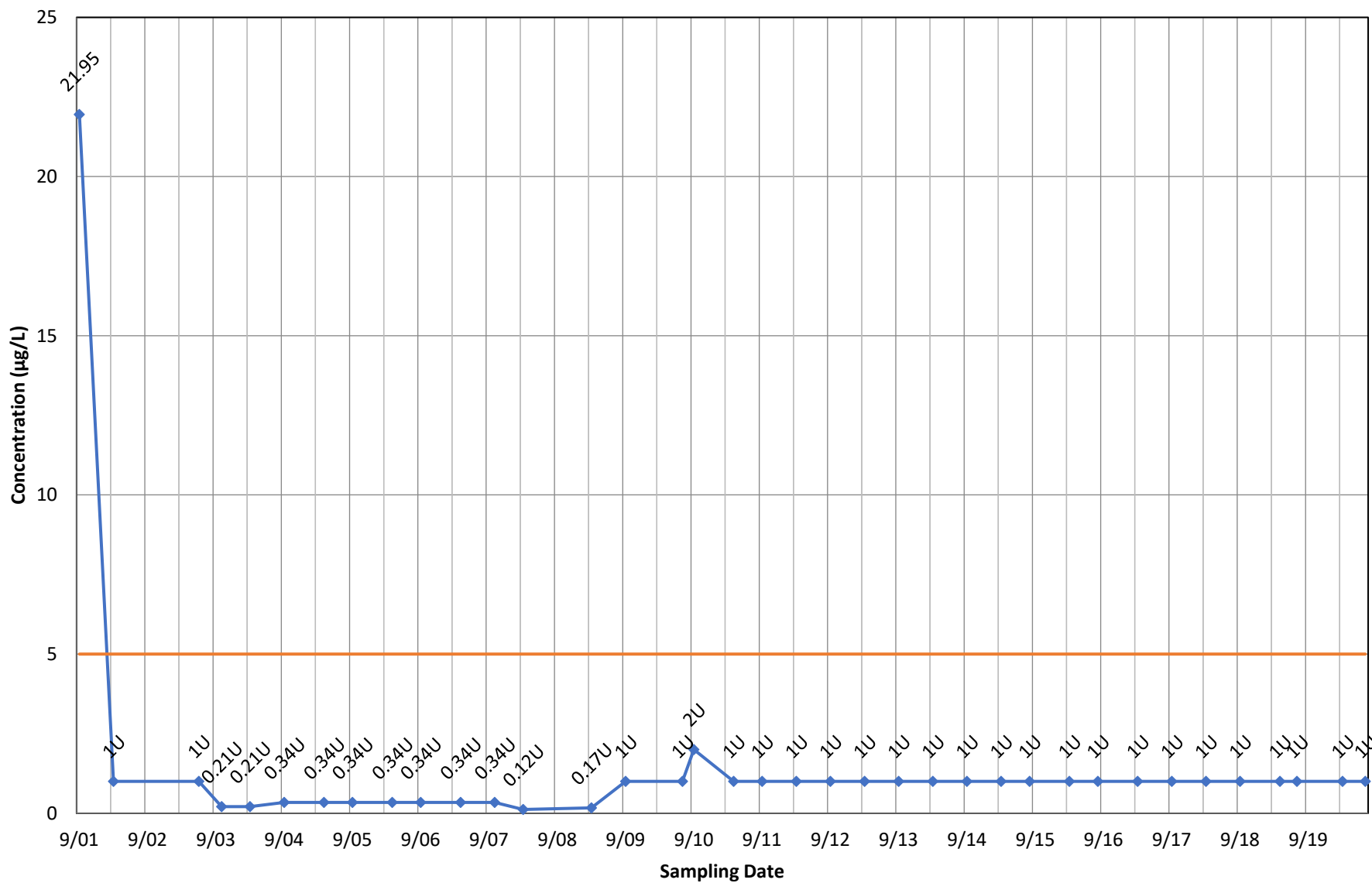
◆ Concentration    — Current MCL

### Monitoring Well OB10 - Lead, total



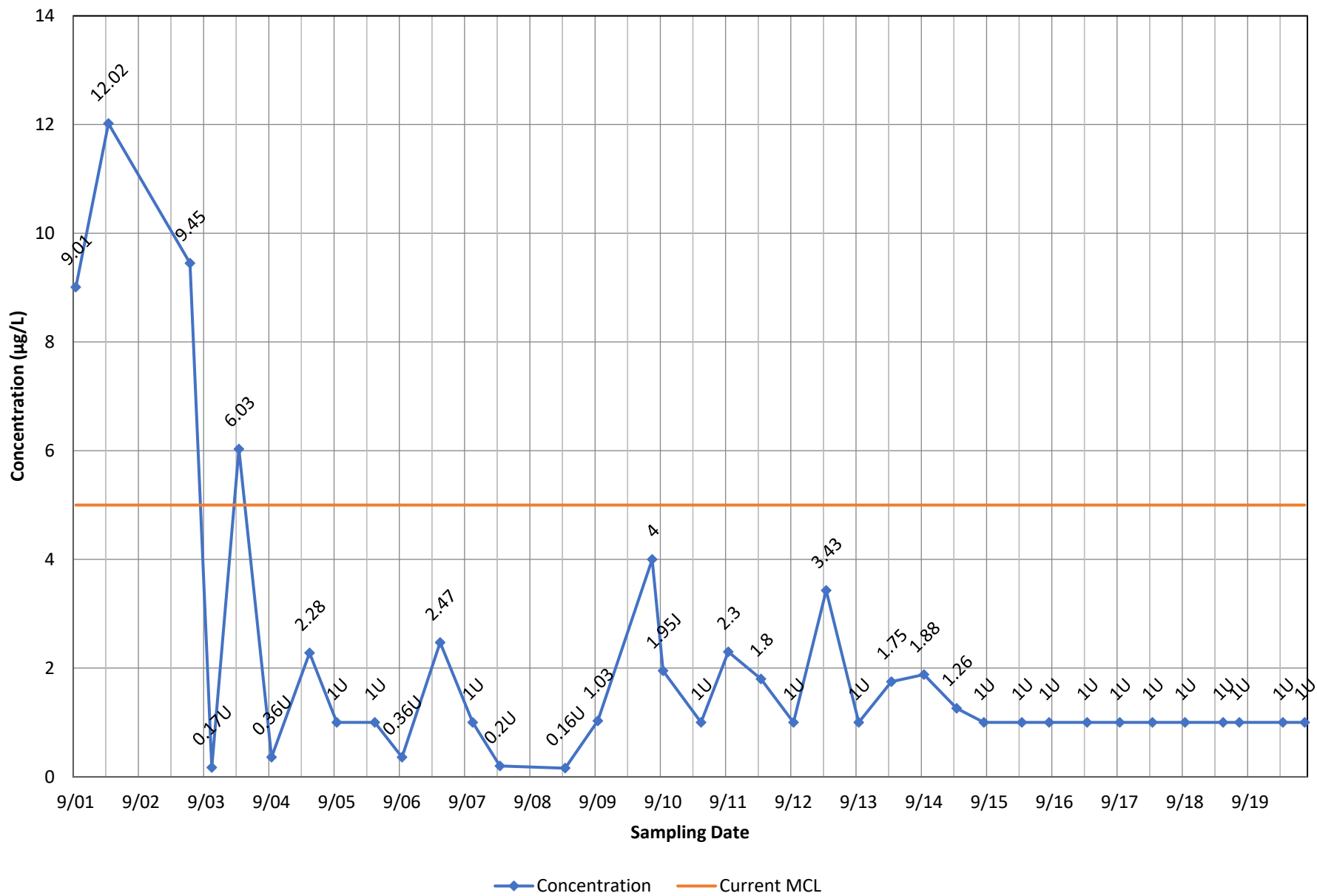
◆ Concentration    — Current MCL

### Monitoring Well OB10 - Methylene Chloride

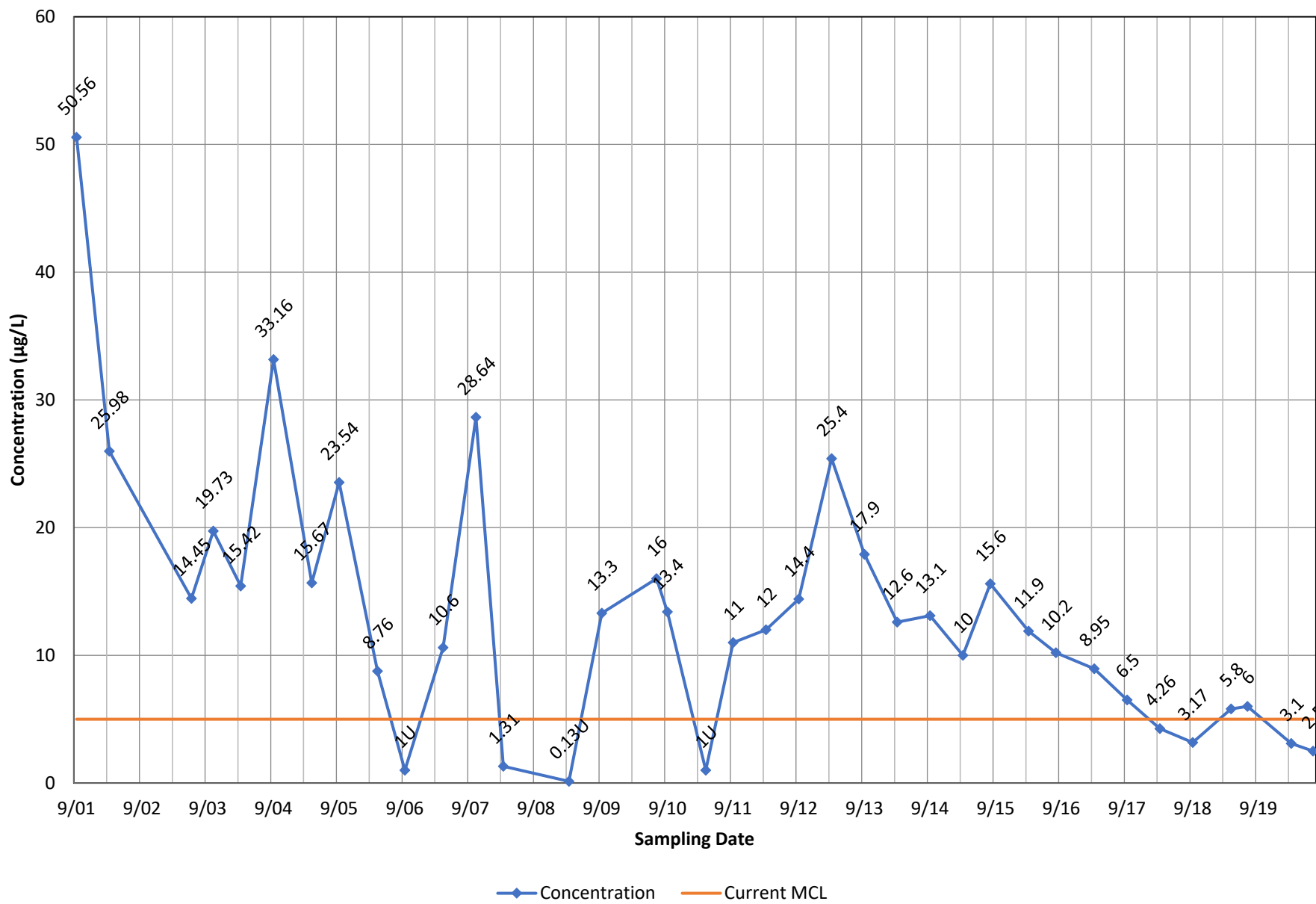


◆ Concentration    — Current MCL

# Monitoring Well OB10 - Tetrachloroethene

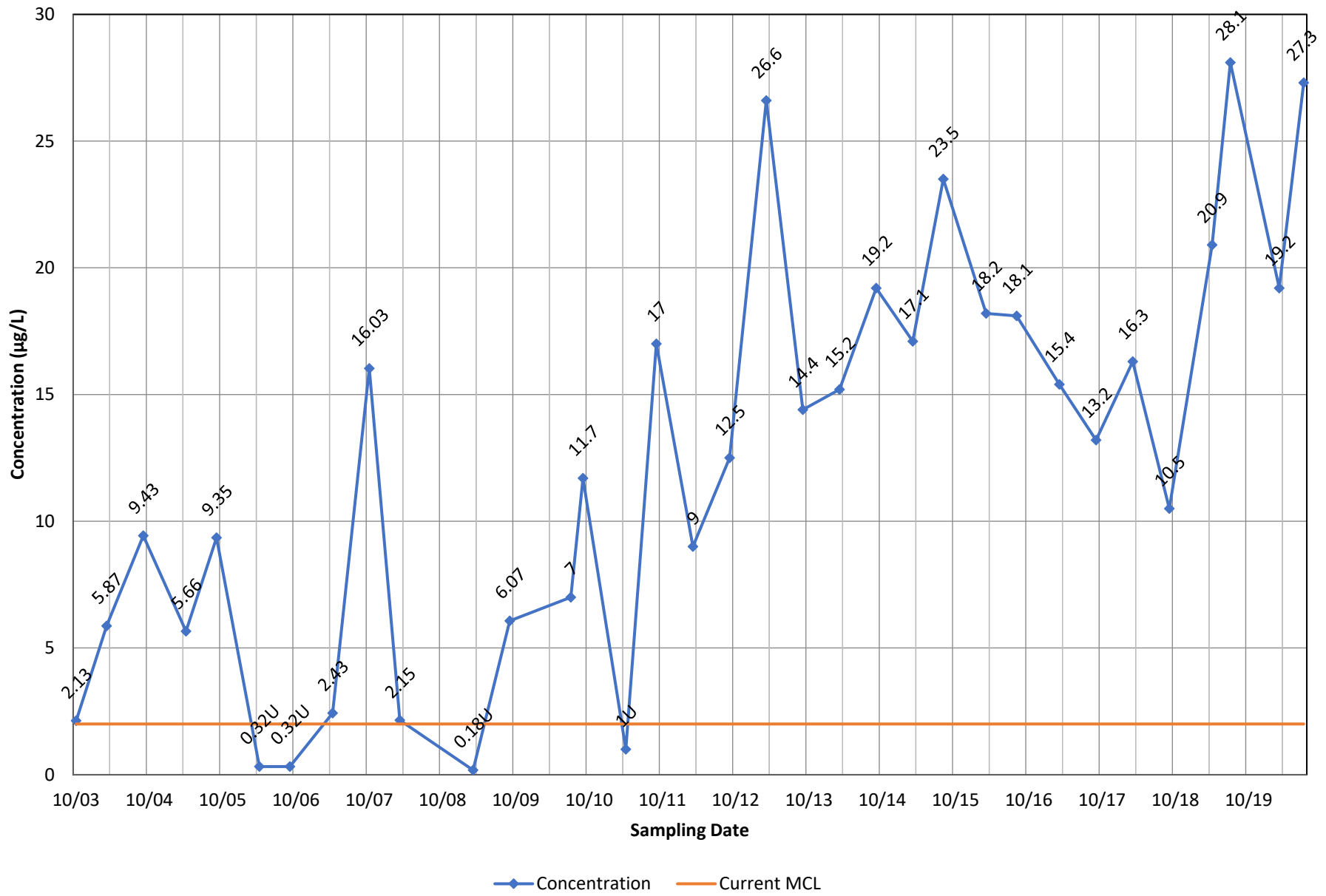


# Monitoring Well OB10 - Trichloroethene

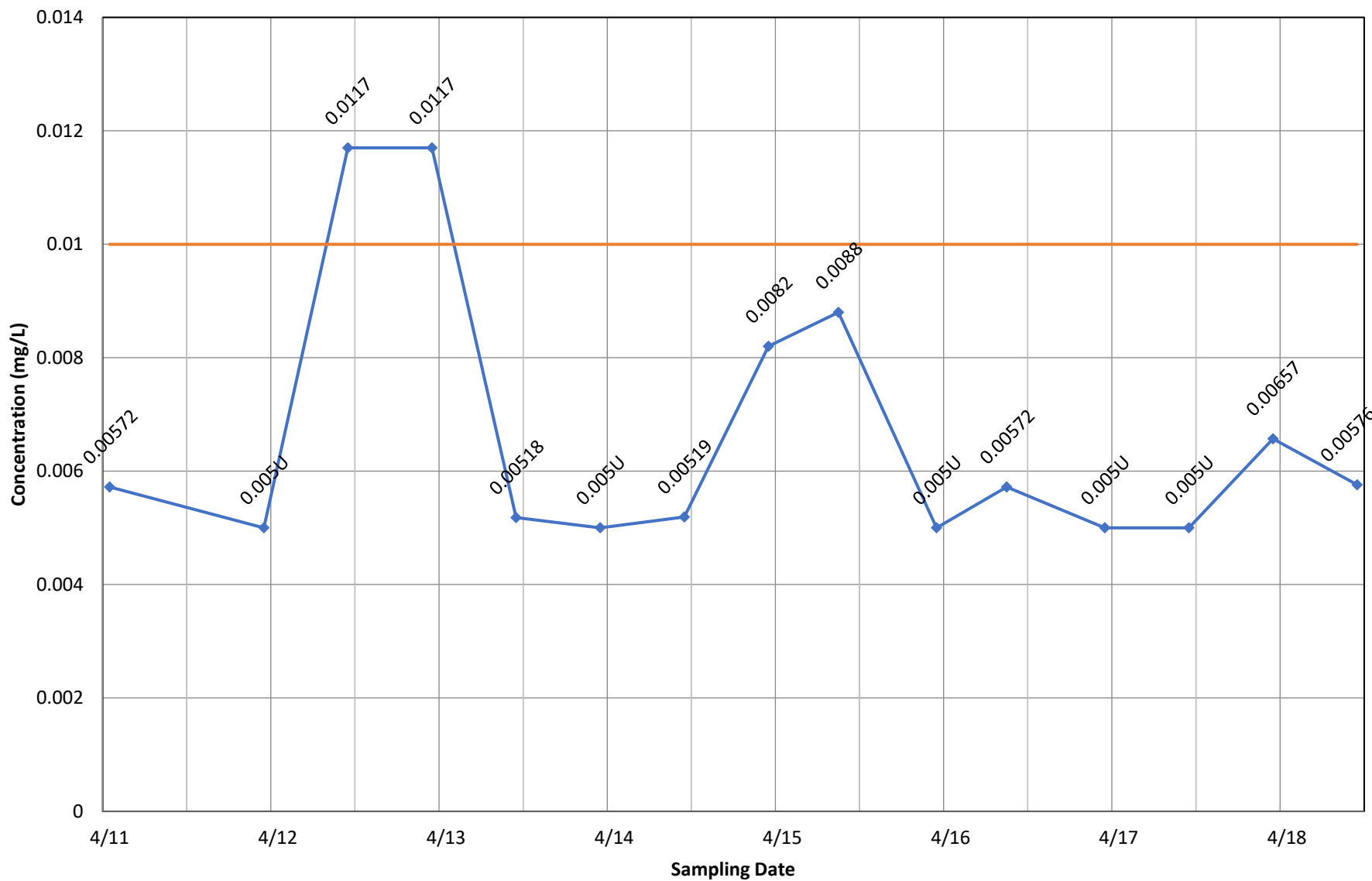




# Monitoring Well OB10 - Vinyl Chloride

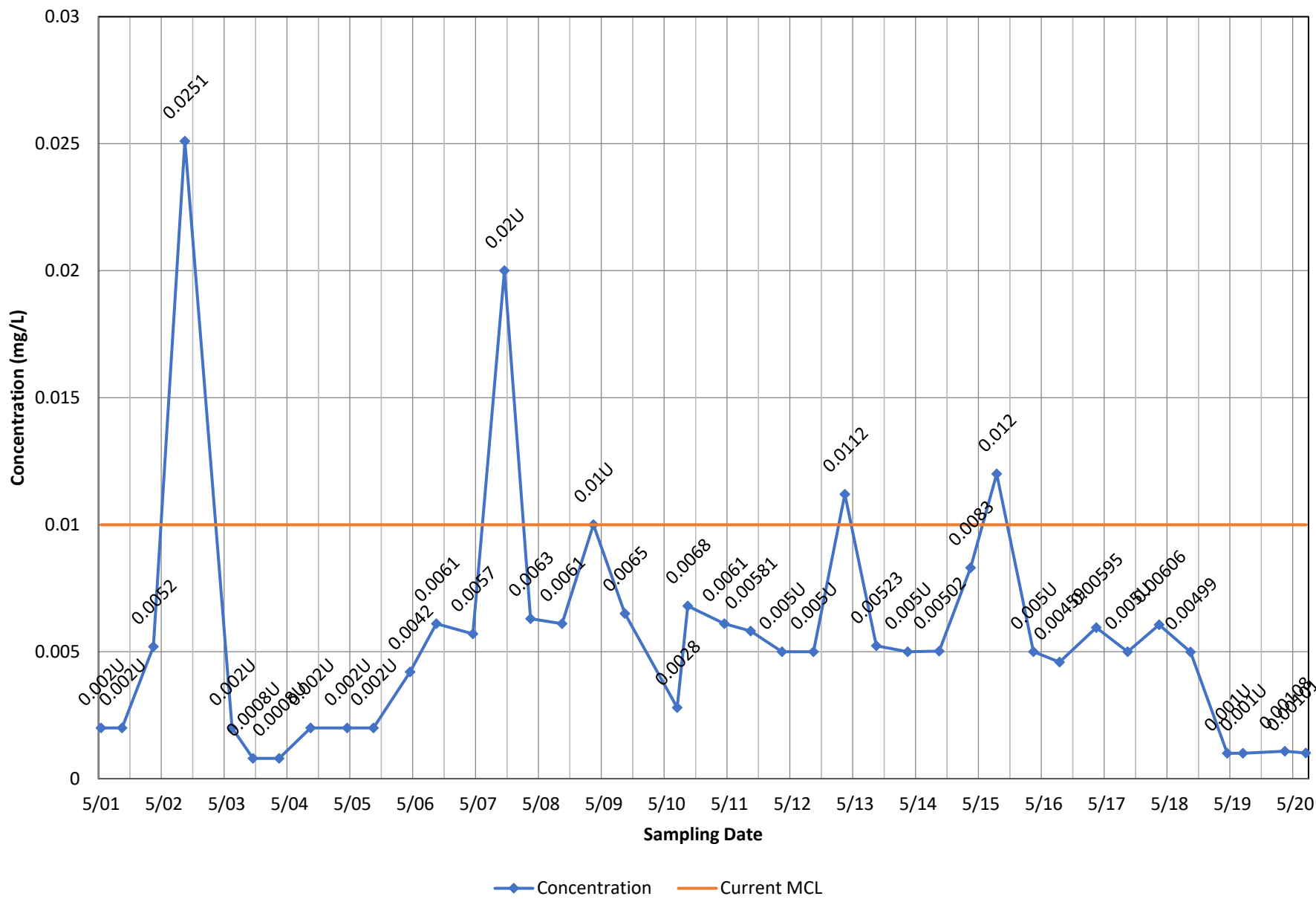


### Monitoring Well OB102 - Arsenic, dissolved

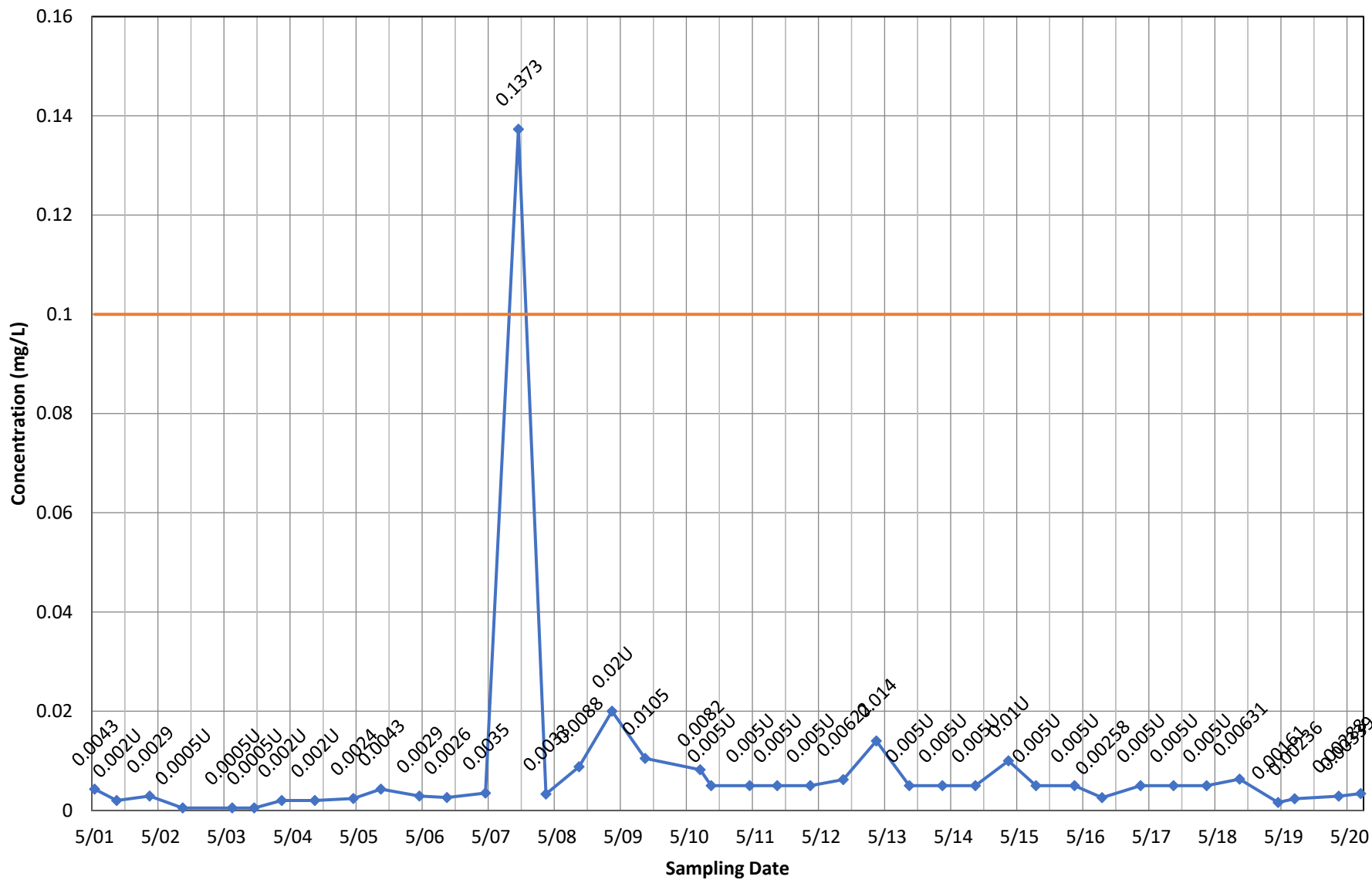


◆ Concentration    — Current MCL

### Monitoring Well OB102 - Arsenic, total

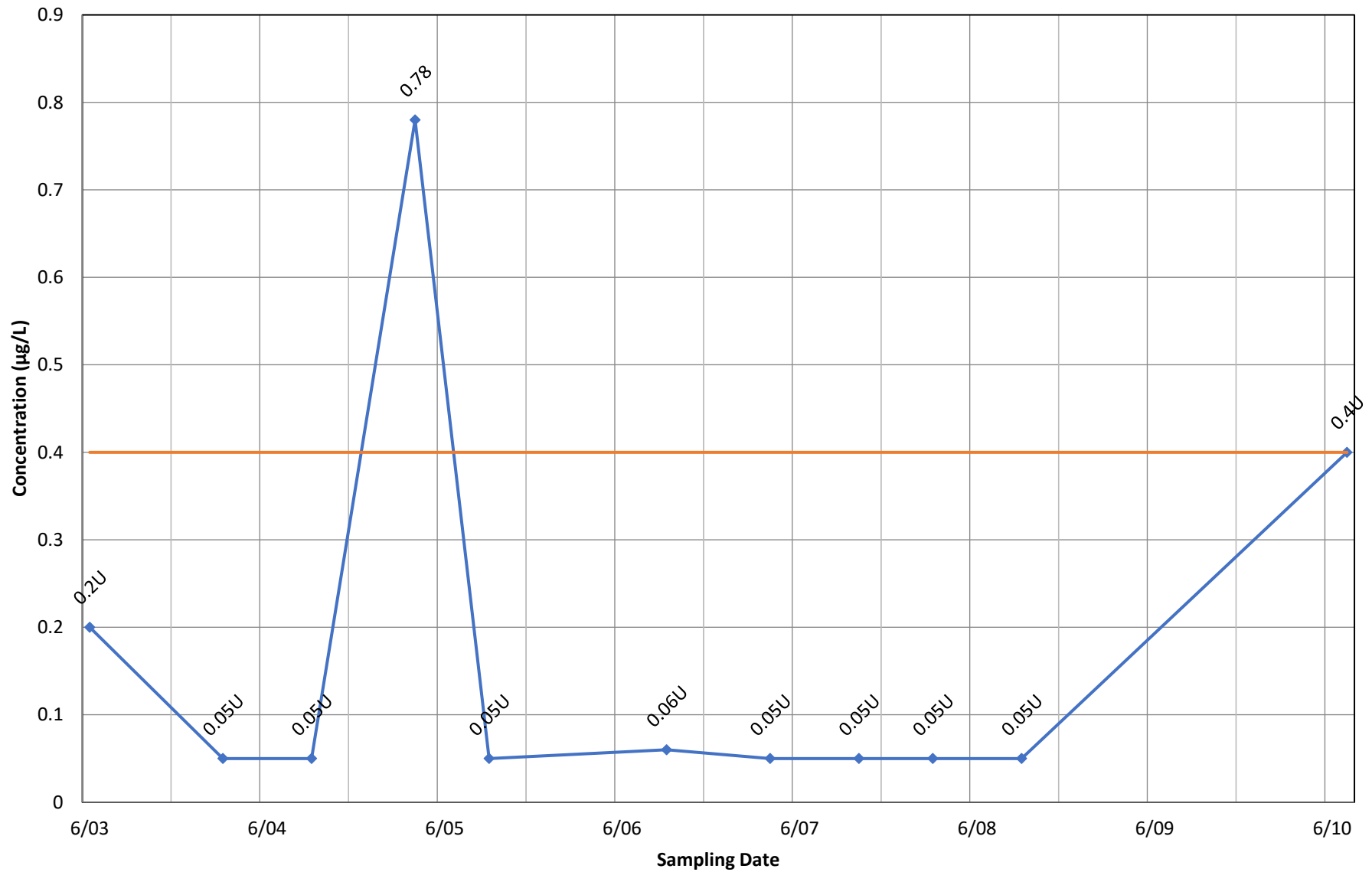


### Monitoring Well OB102 - Chromium, total



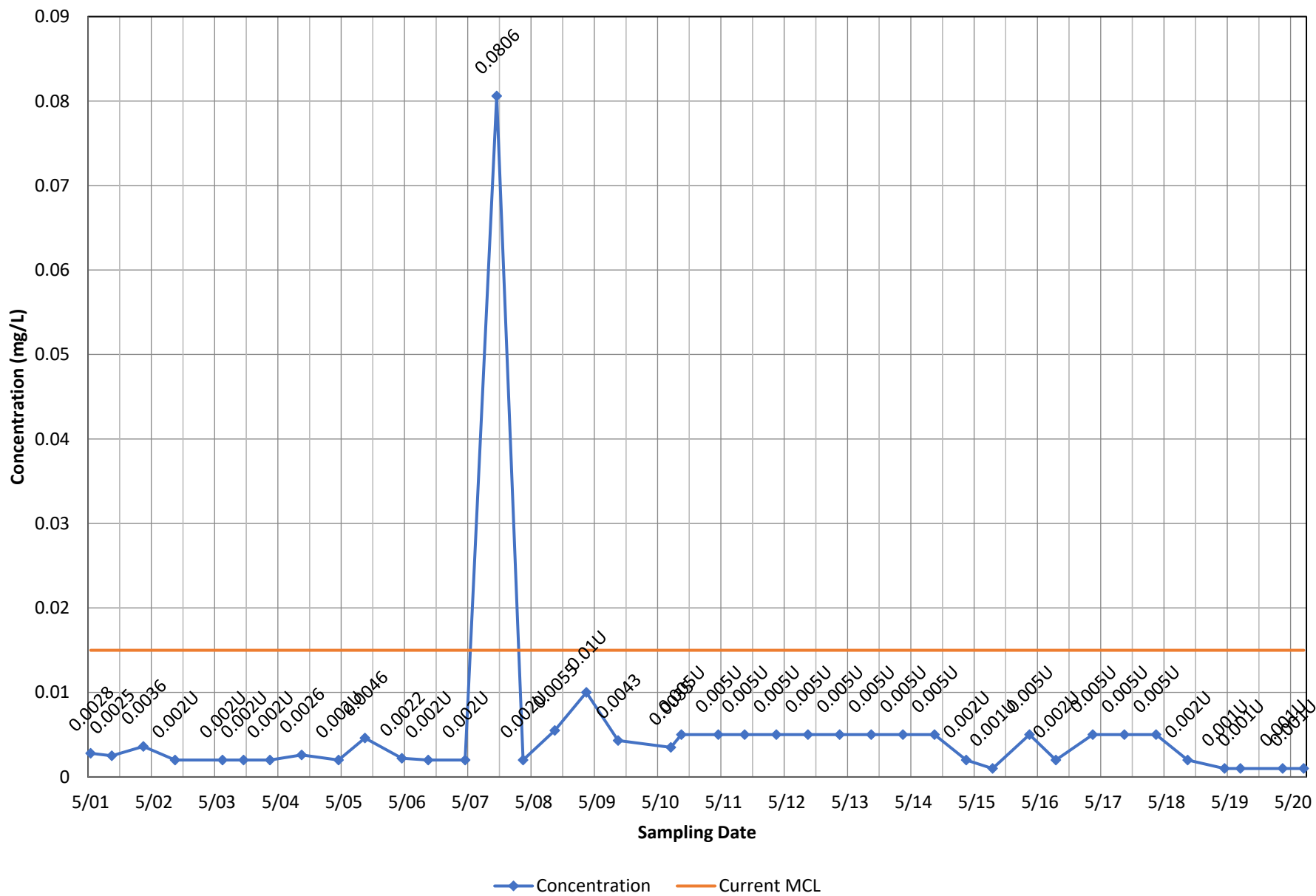
◆ Concentration    — Current MCL

### Monitoring Well OB102 - Heptachlor

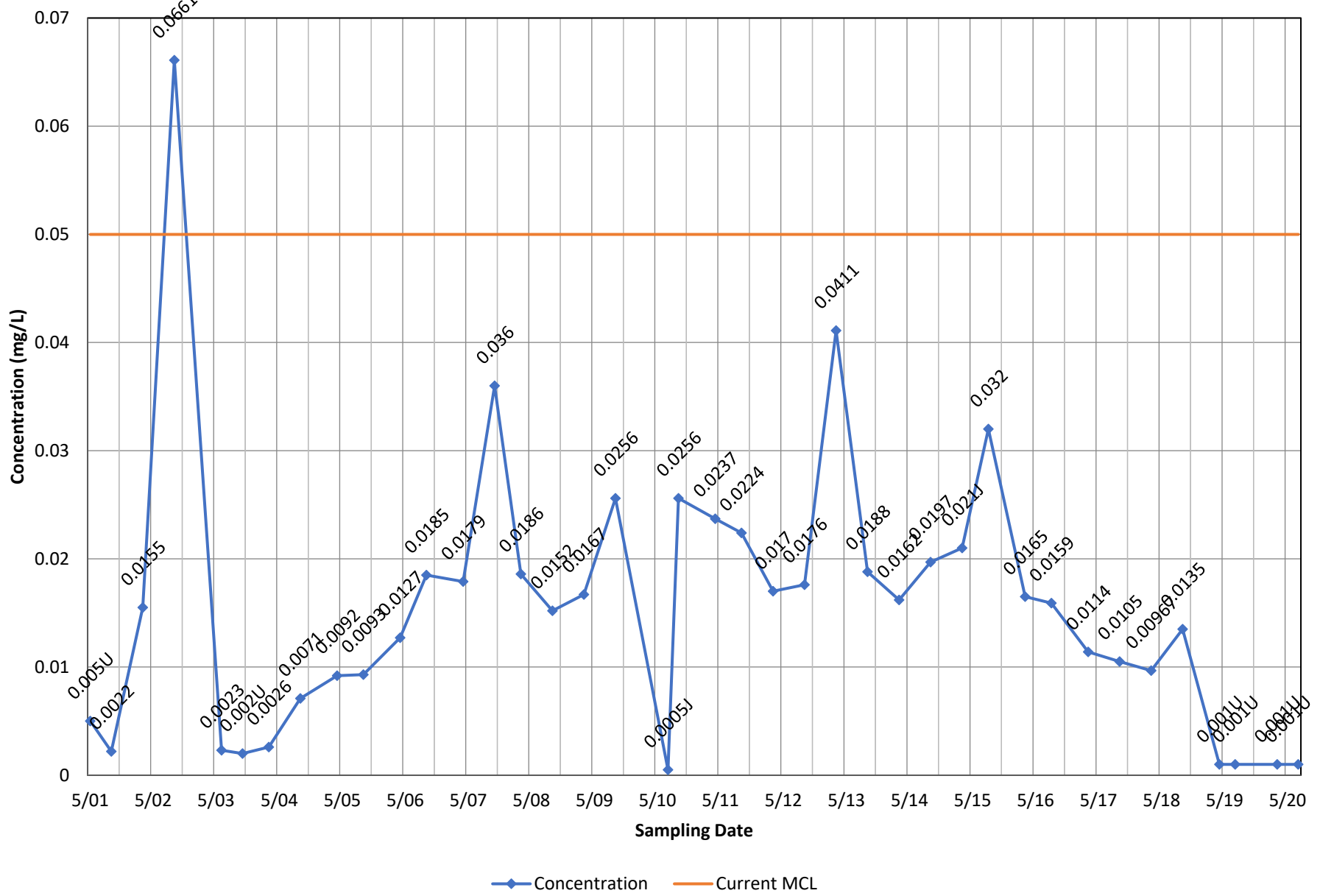


◆ Concentration    — Current MCL

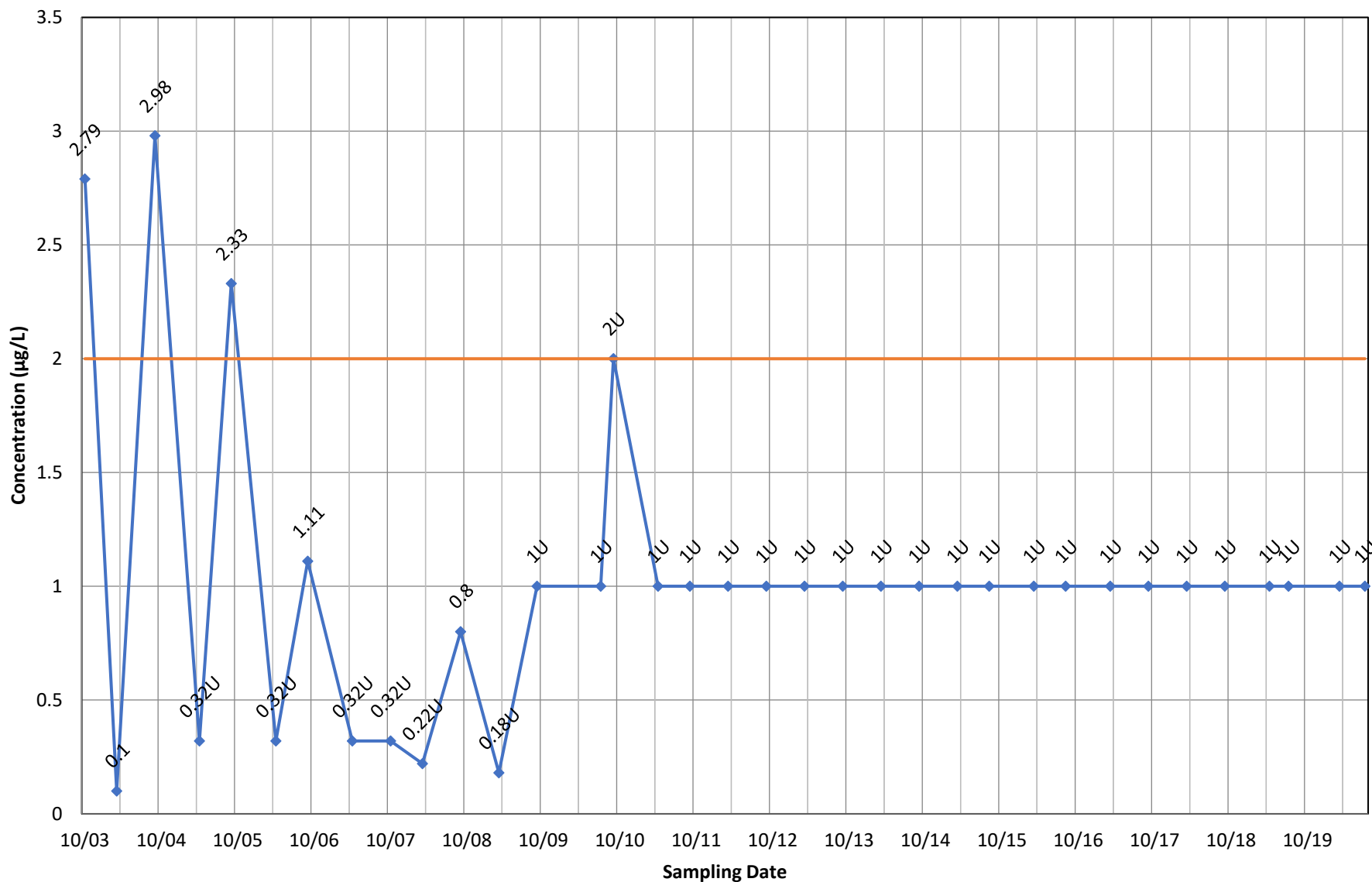
### Monitoring Well OB102 - Lead, total



# Monitoring Well OB102 - Selenium, total



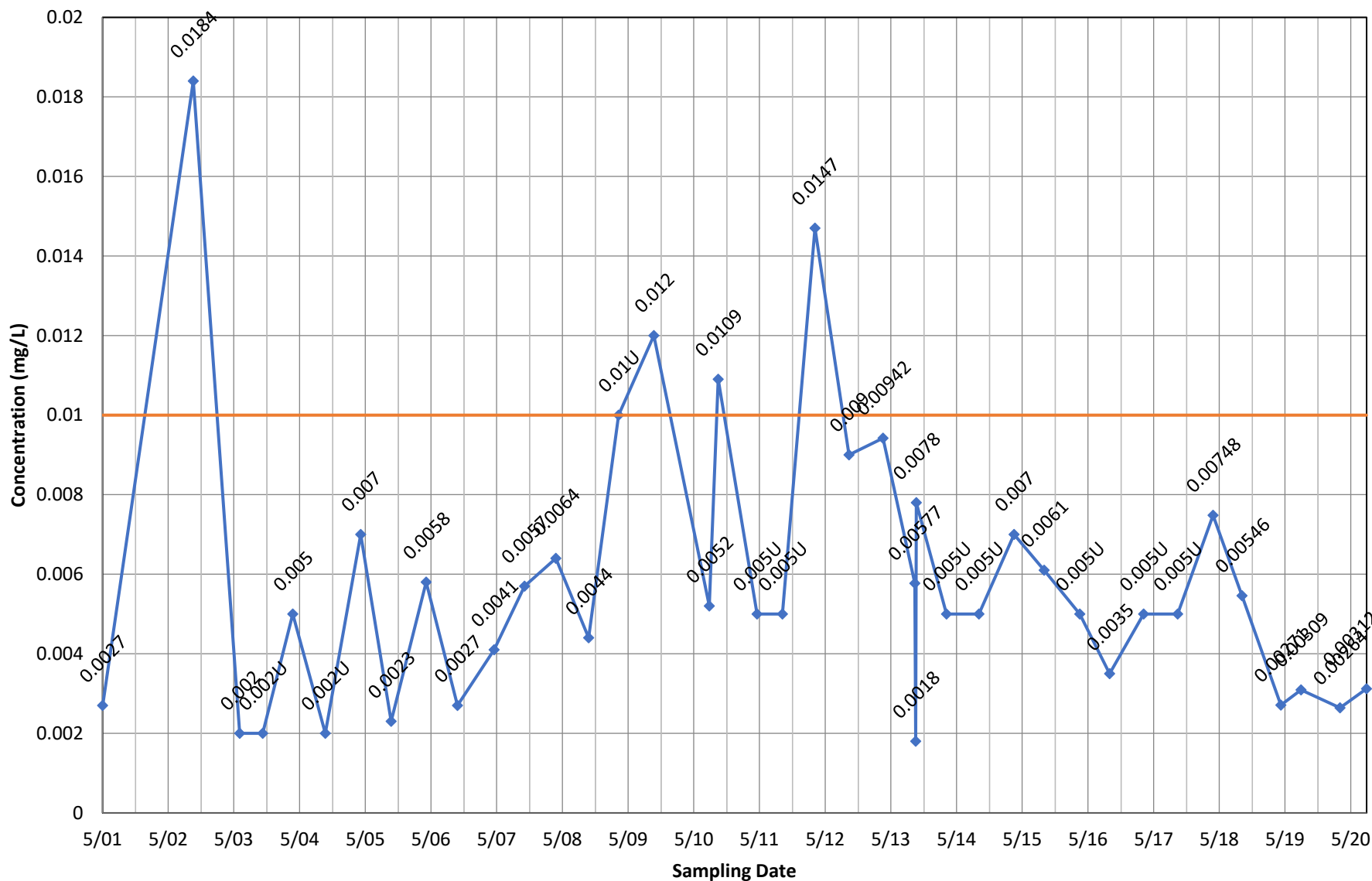
### Monitoring Well OB102 - Vinyl Chloride



◆ Concentration    — Current MCL

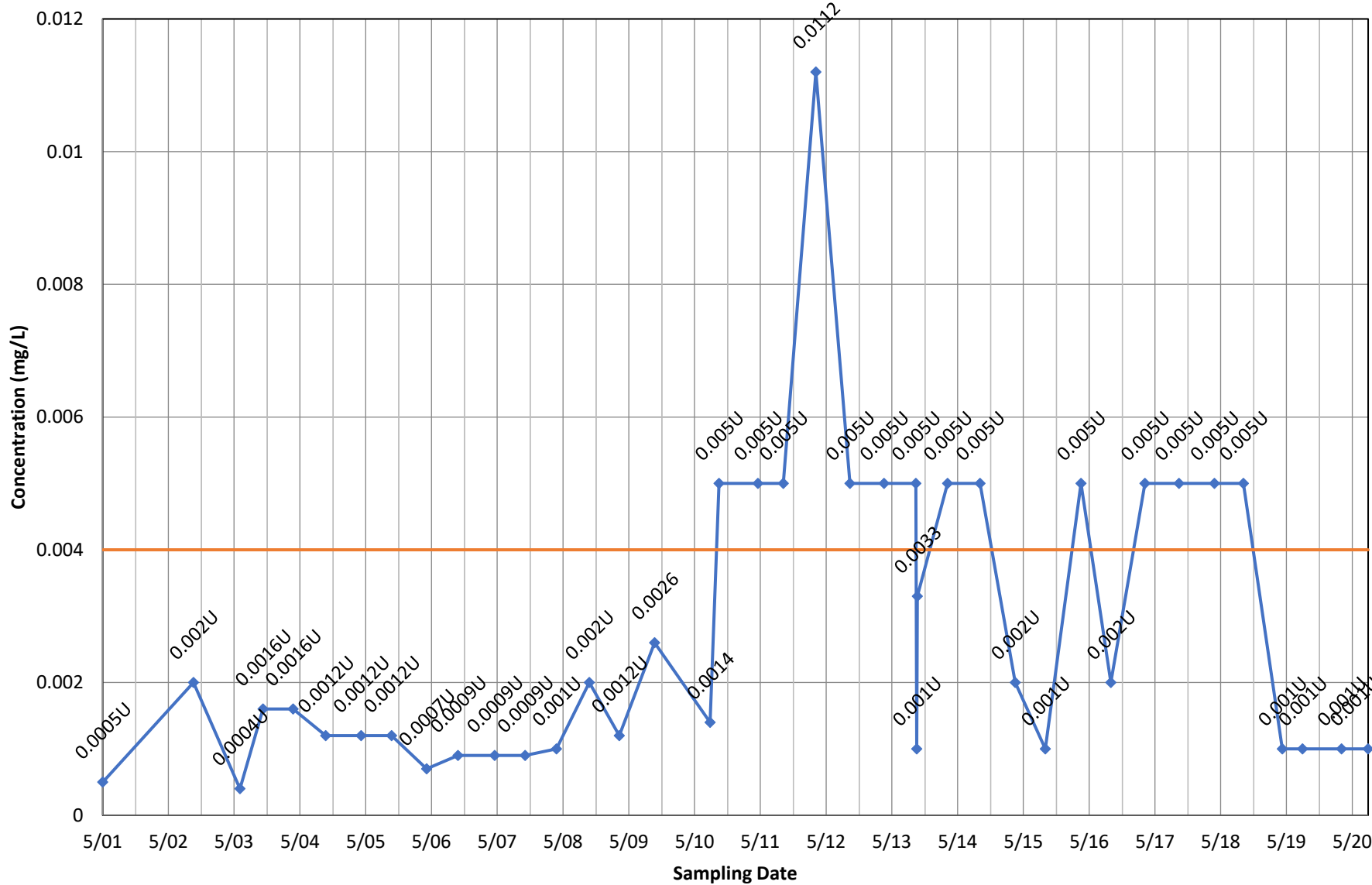


### Monitoring Well OB105 - Arsenic, total



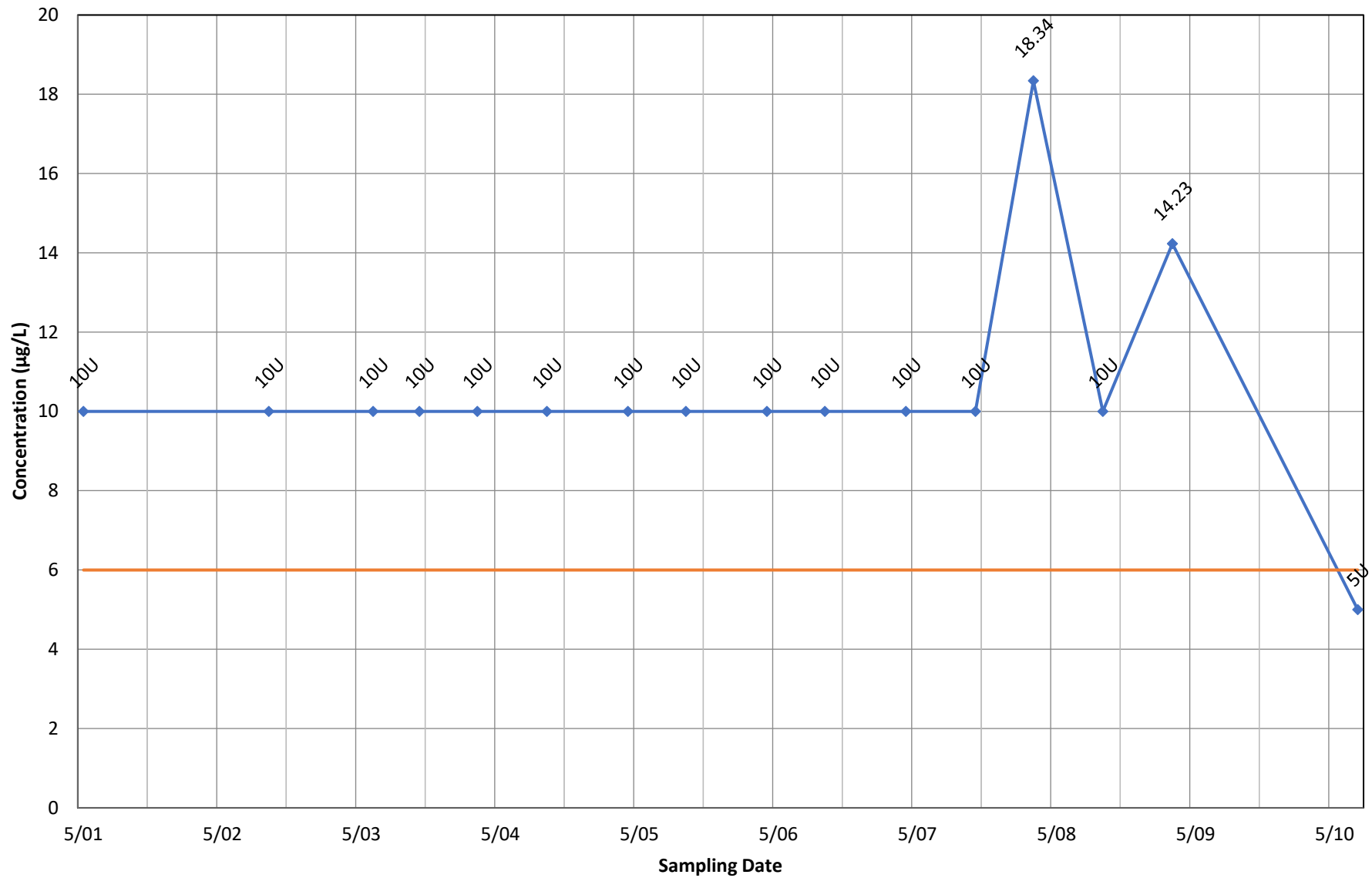
◆ Concentration    — Current MCL

### Monitoring Well OB105 - Beryllium, total



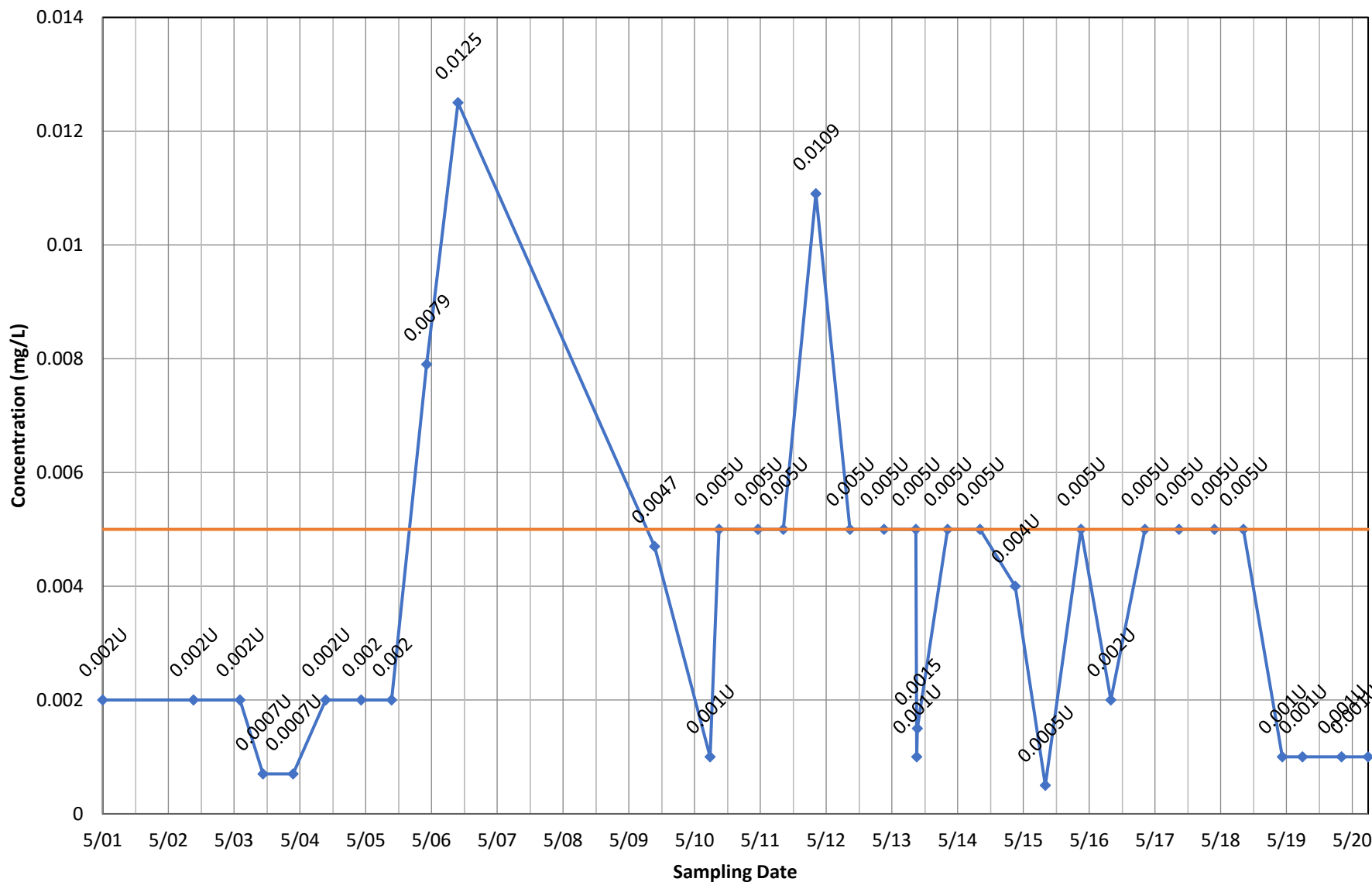
◆ Concentration    — Current MCL

### Monitoring Well OB105 - Bis(2-Ethylhexyl) Phthalate



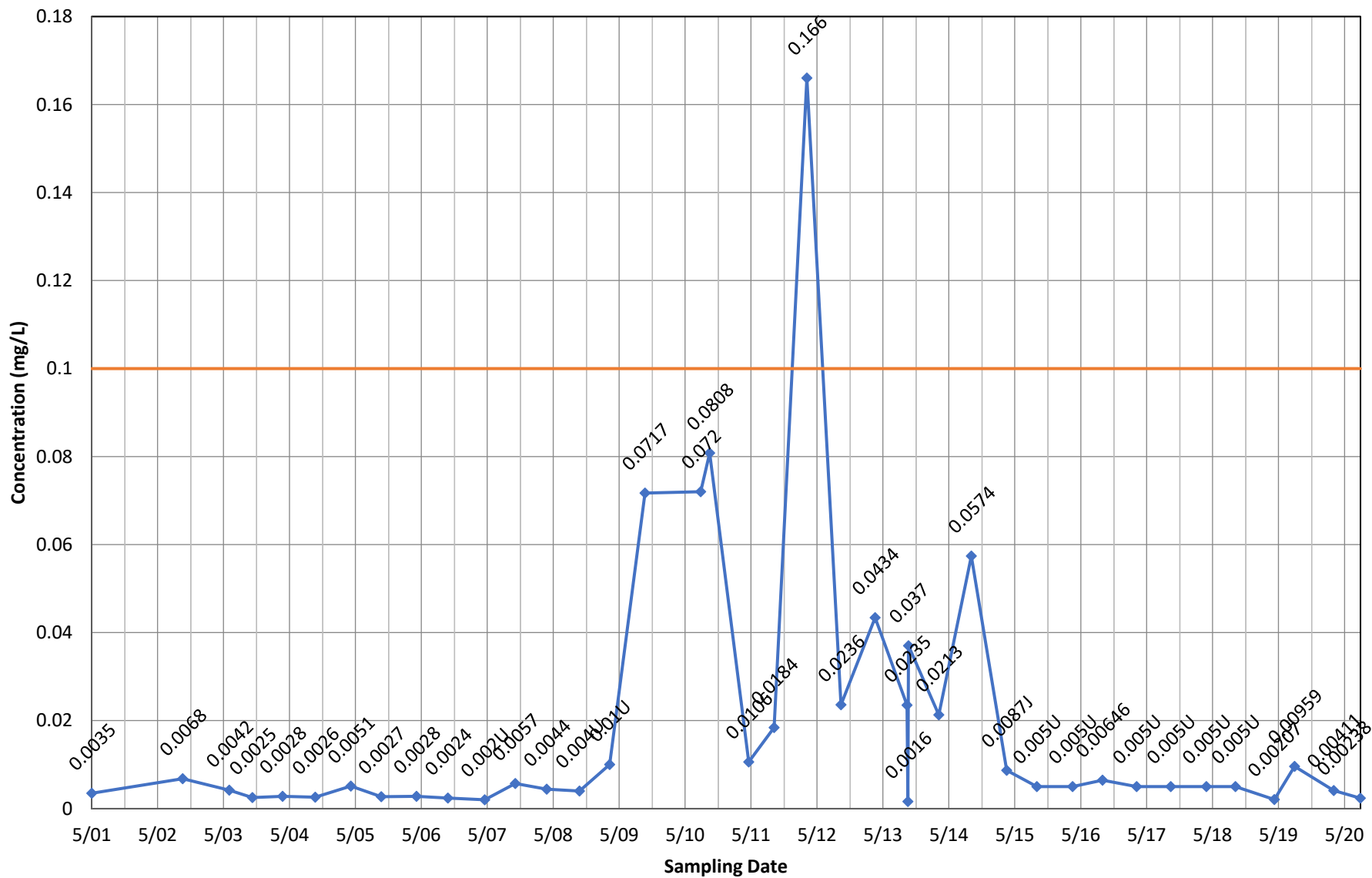
◆ Concentration    — Current MCL

### Monitoring Well OB105 - Cadmium, total



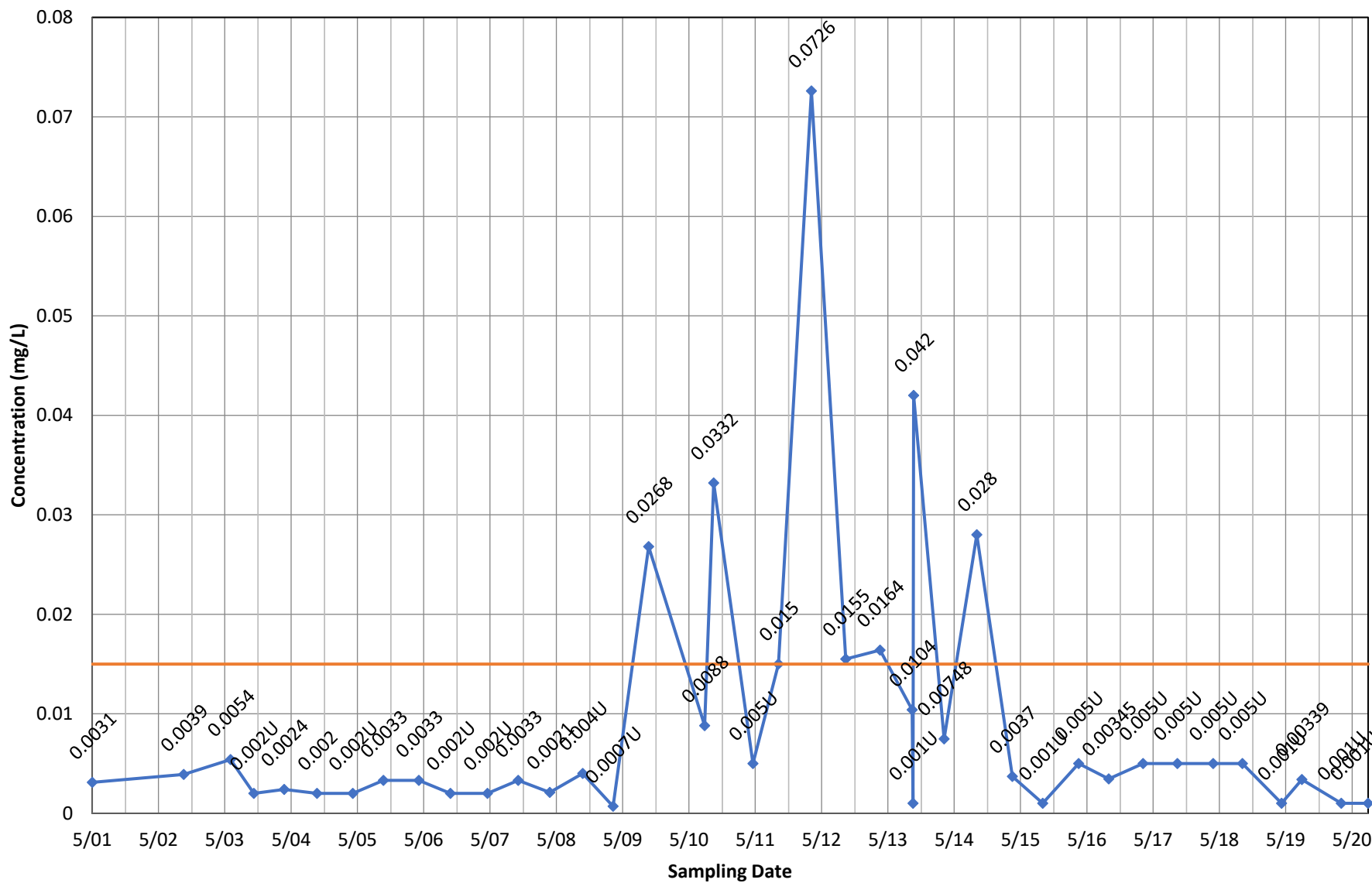
◆ Concentration    — Current MCL

### Monitoring Well OB105 - Chromium, total



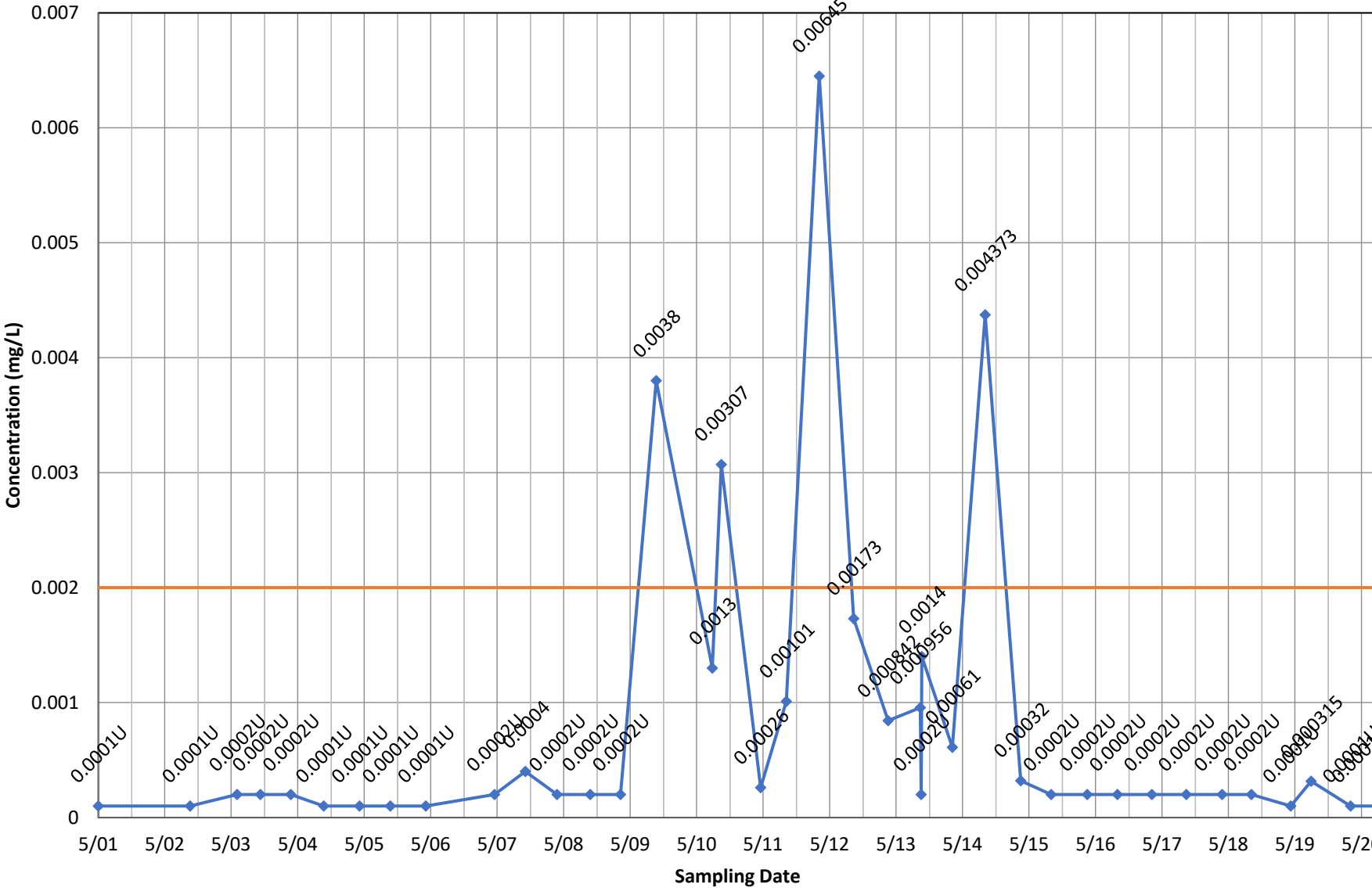
◆ Concentration    — Current MCL

### Monitoring Well OB105 - Lead, total



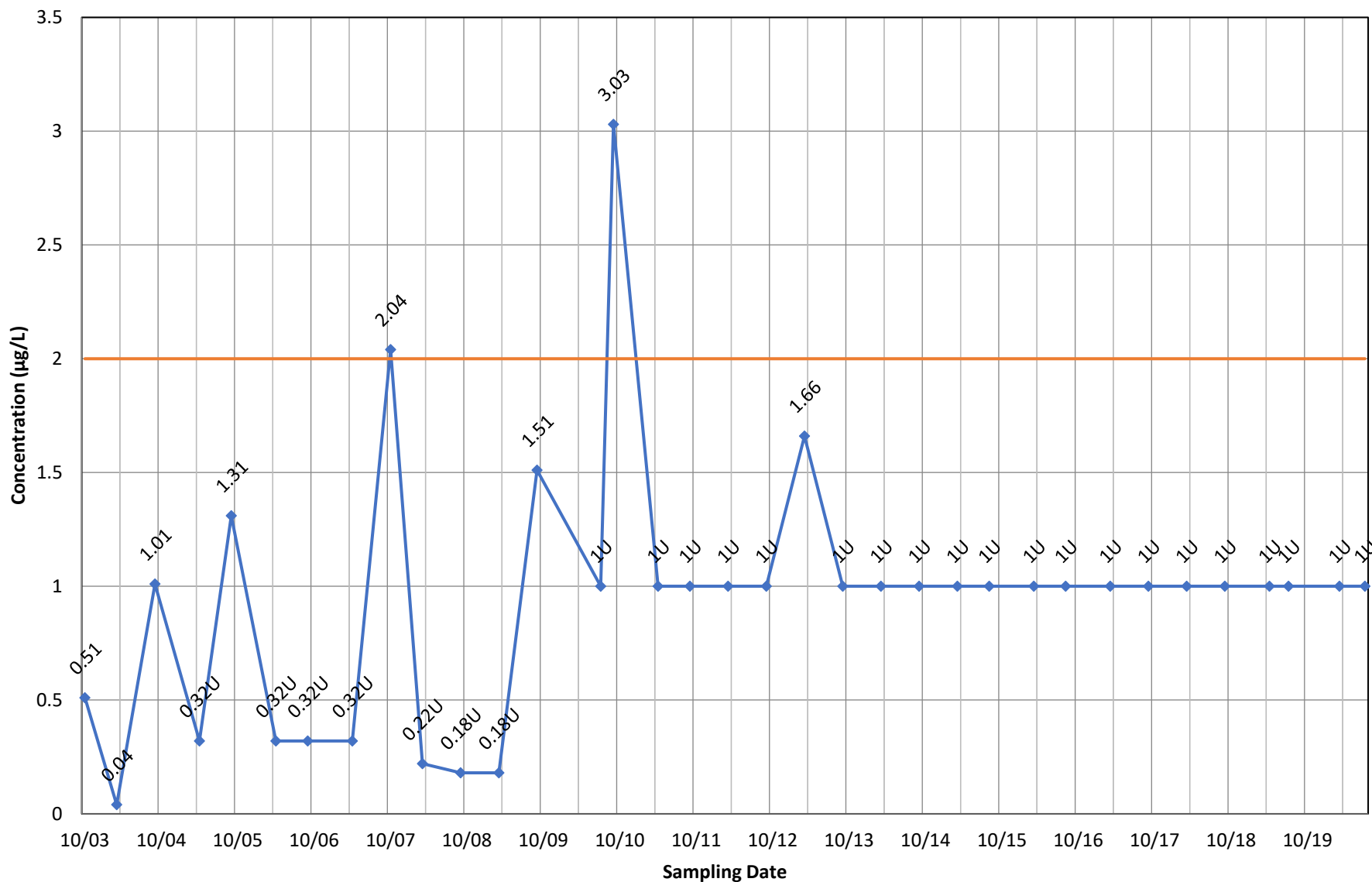
◆ Concentration    — Current MCL

### Monitoring Well OB105 - Mercury, total



◆ Concentration    — Current MCL

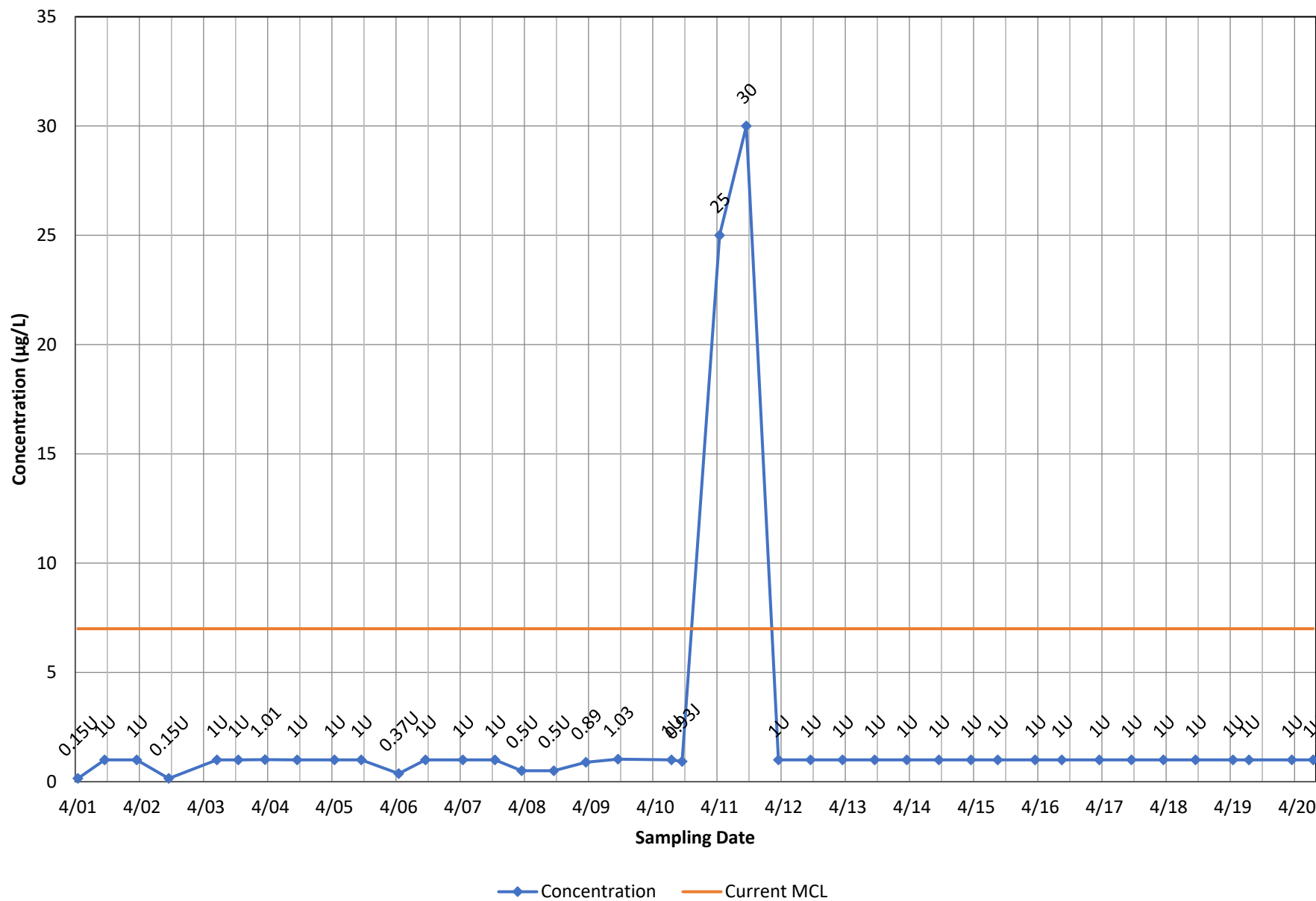
### Monitoring Well OB105 - Vinyl Chloride



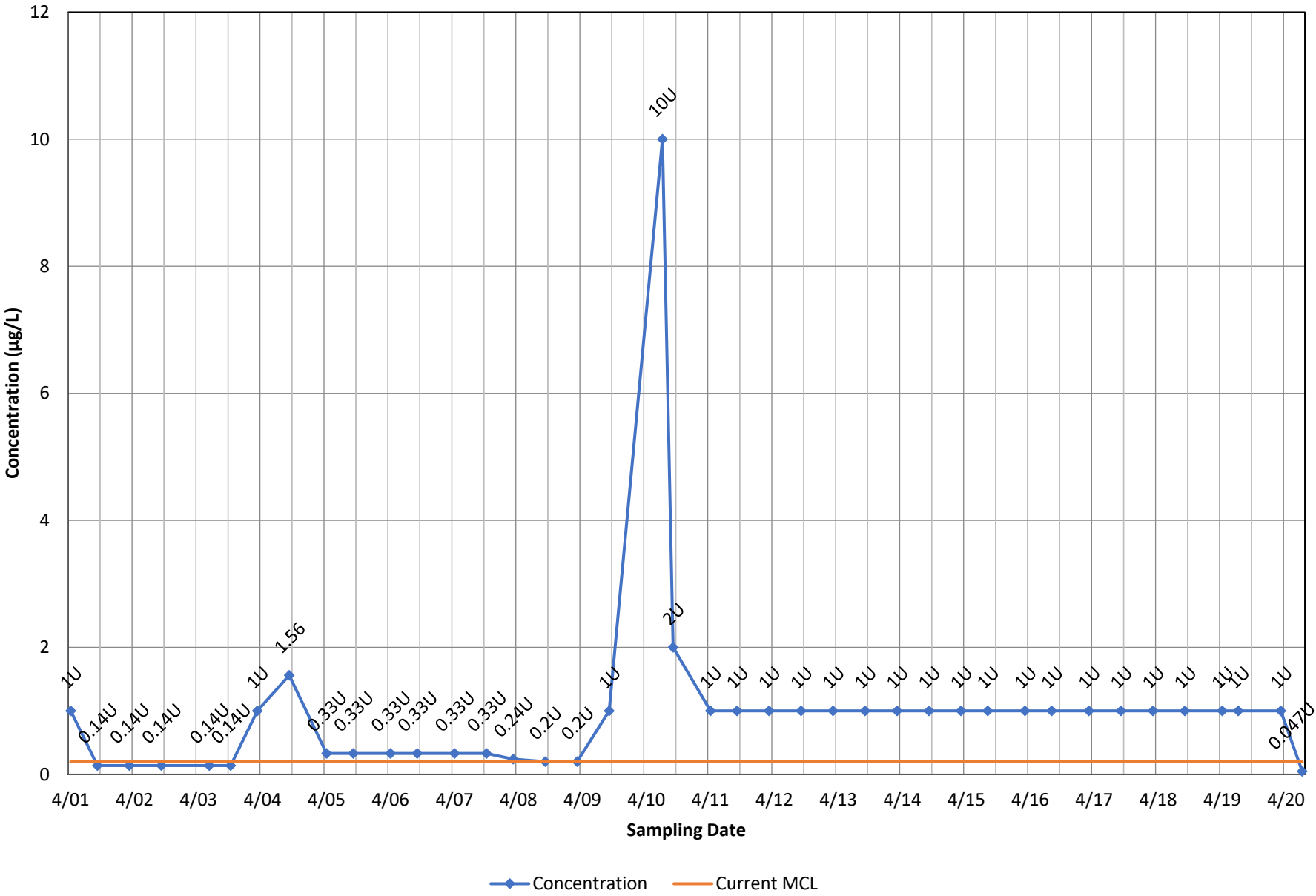
◆ Concentration    — Current MCL



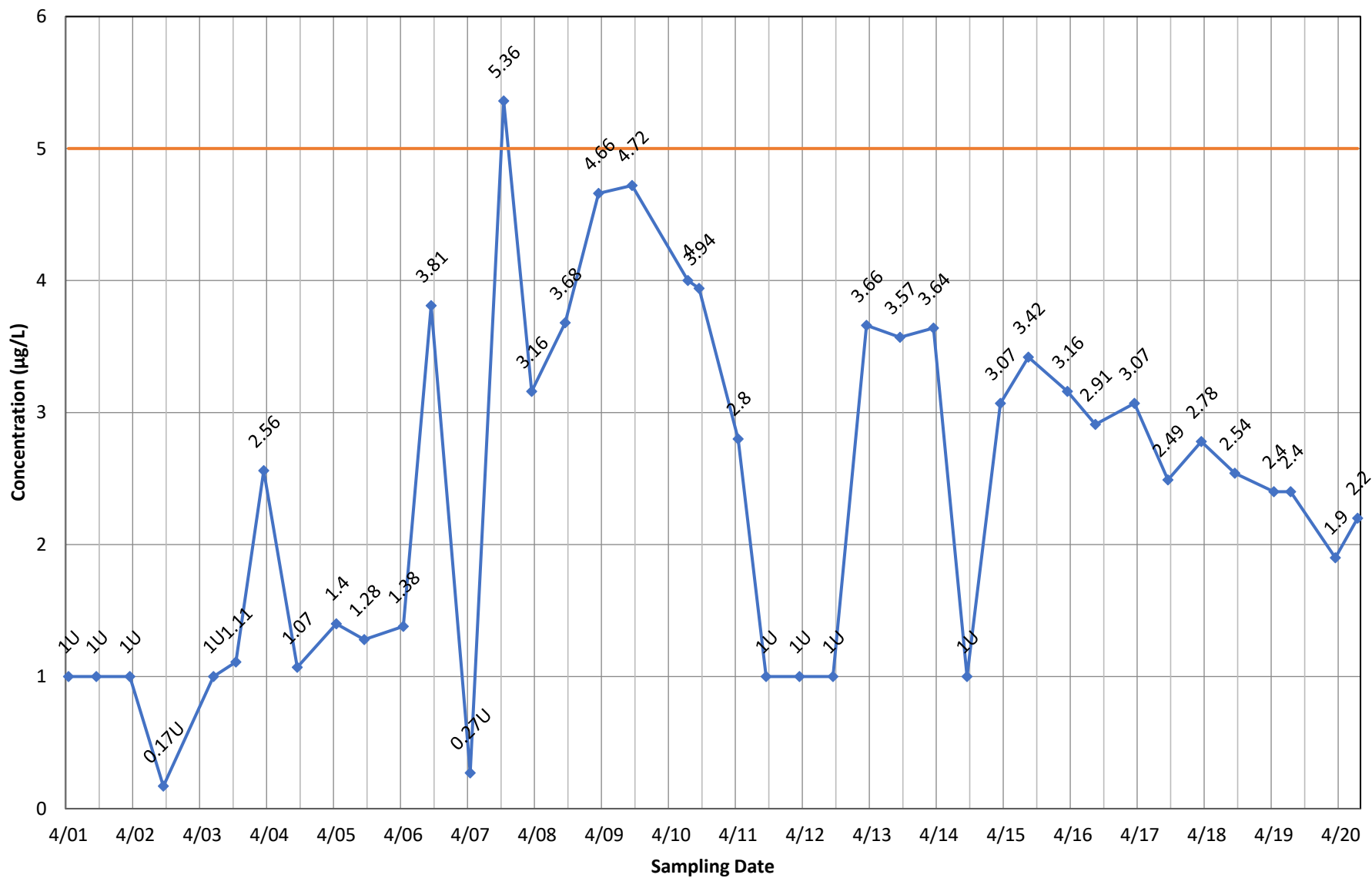
# Monitoring Well OB11 - 1,1-Dichloroethene



### Monitoring Well OB11 - 1,2-Dibromo-3-chloropropane

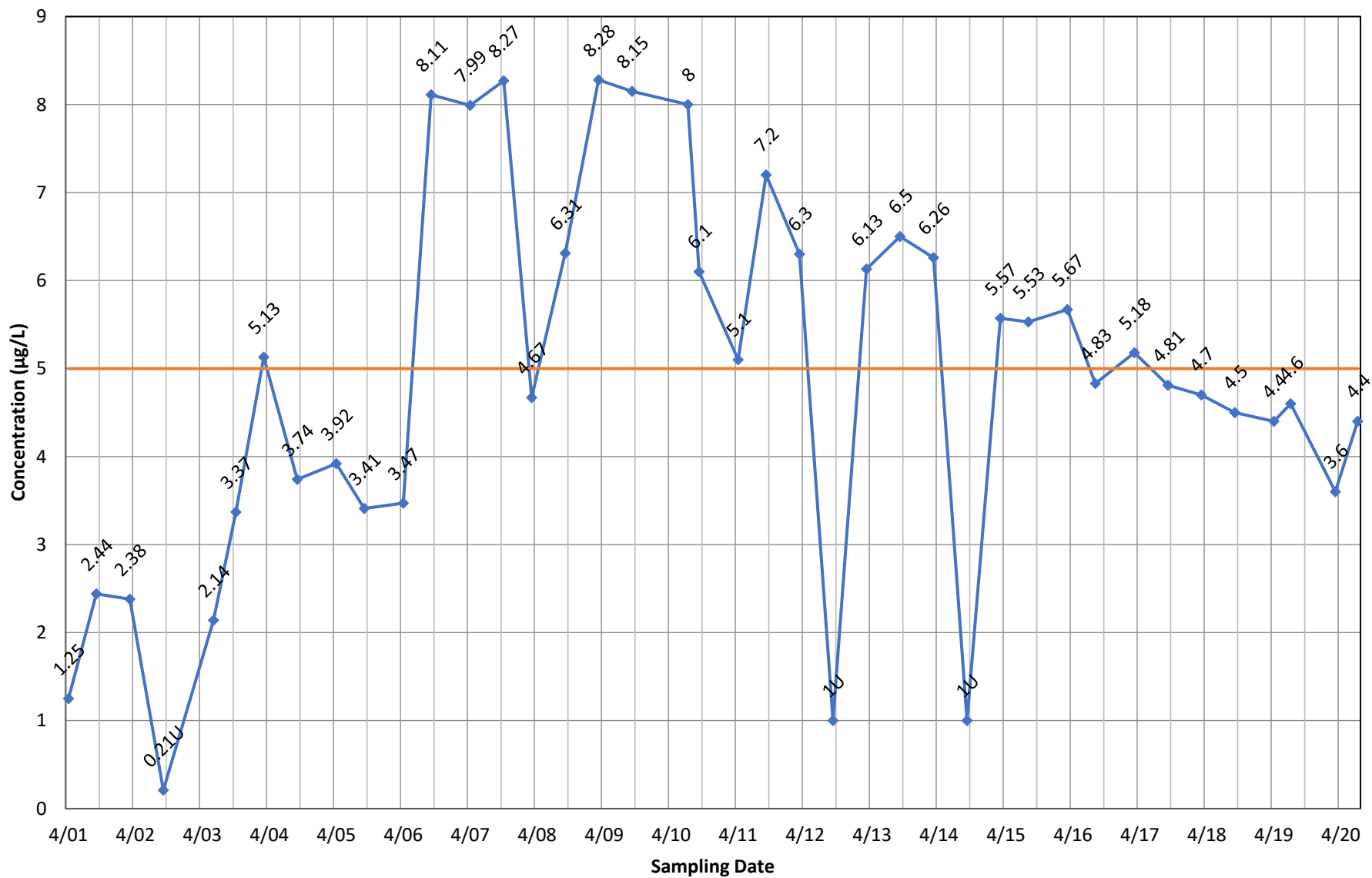


### Monitoring Well OB11 - 1,2-Dichloroethane



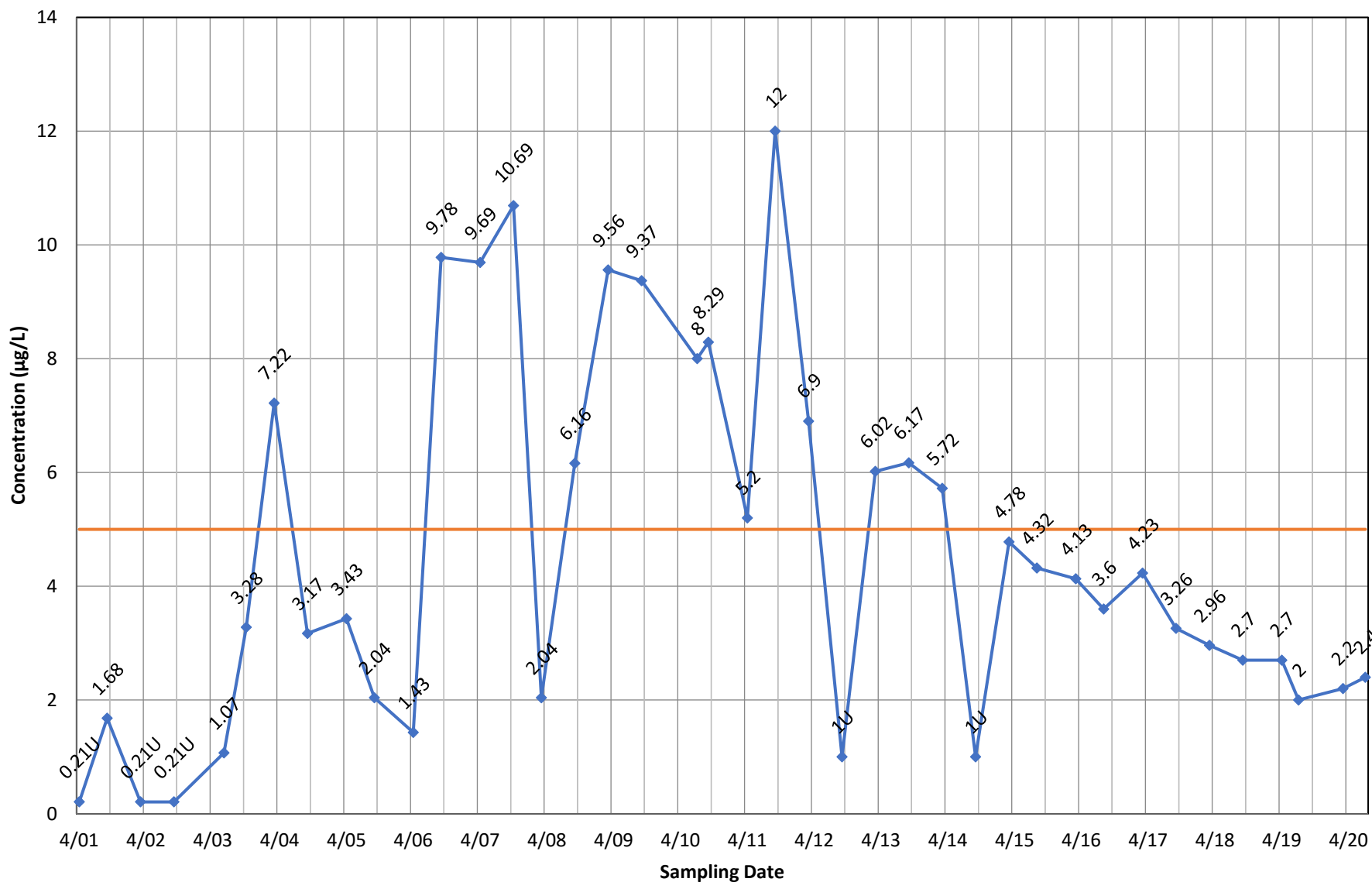
◆ Concentration    — Current MCL

# Monitoring Well OB11 - 1,2-Dichloropropane



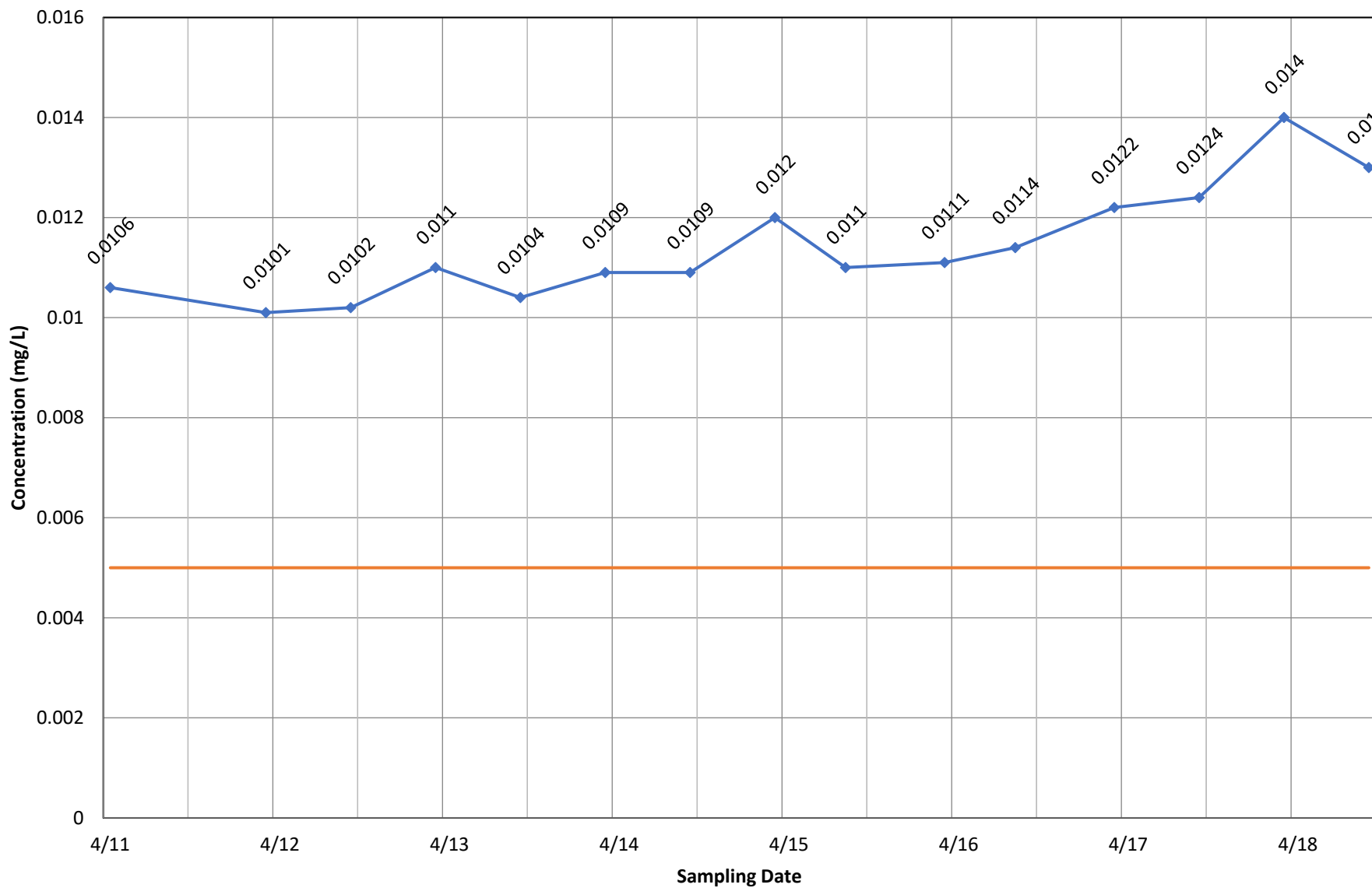
◆ Concentration    — Current MCL

# Monitoring Well OB11 - Benzene



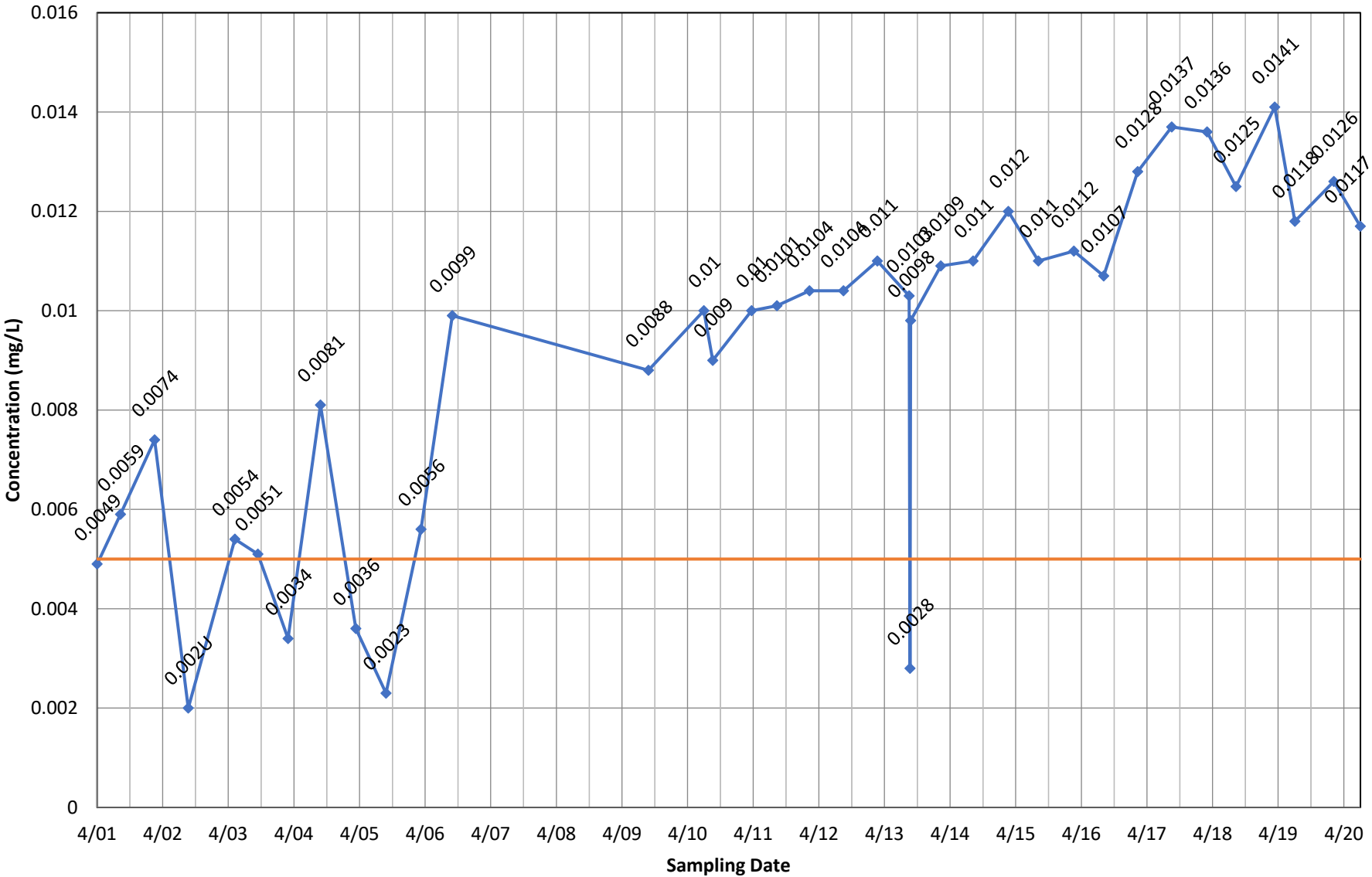
◆ Concentration    — Current MCL

### Monitoring Well OB11 - Cadmium, dissolved



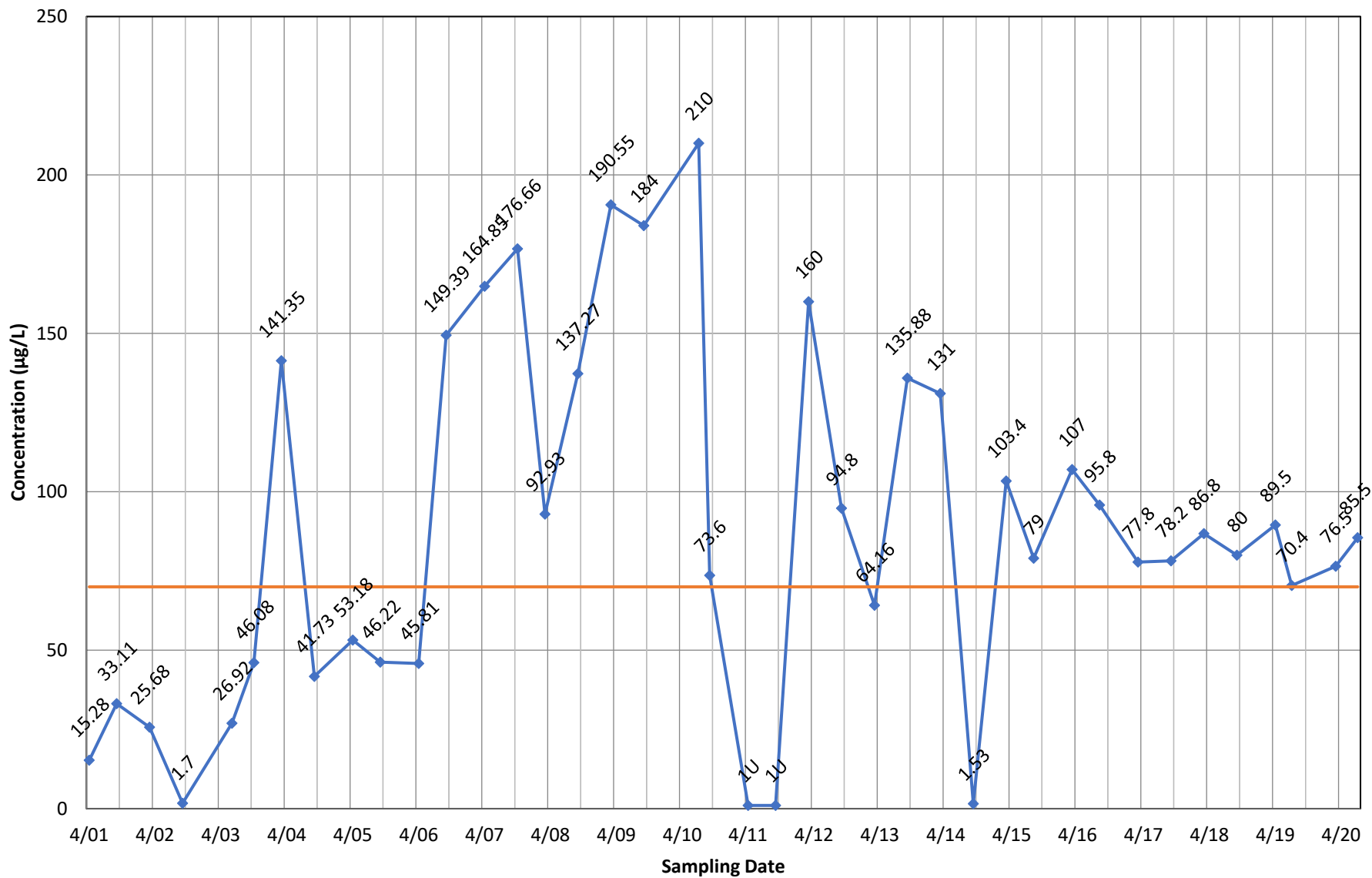
◆ Concentration    — Current MCL

### Monitoring Well OB11 - Cadmium, total



◆ Concentration    — Current MCL

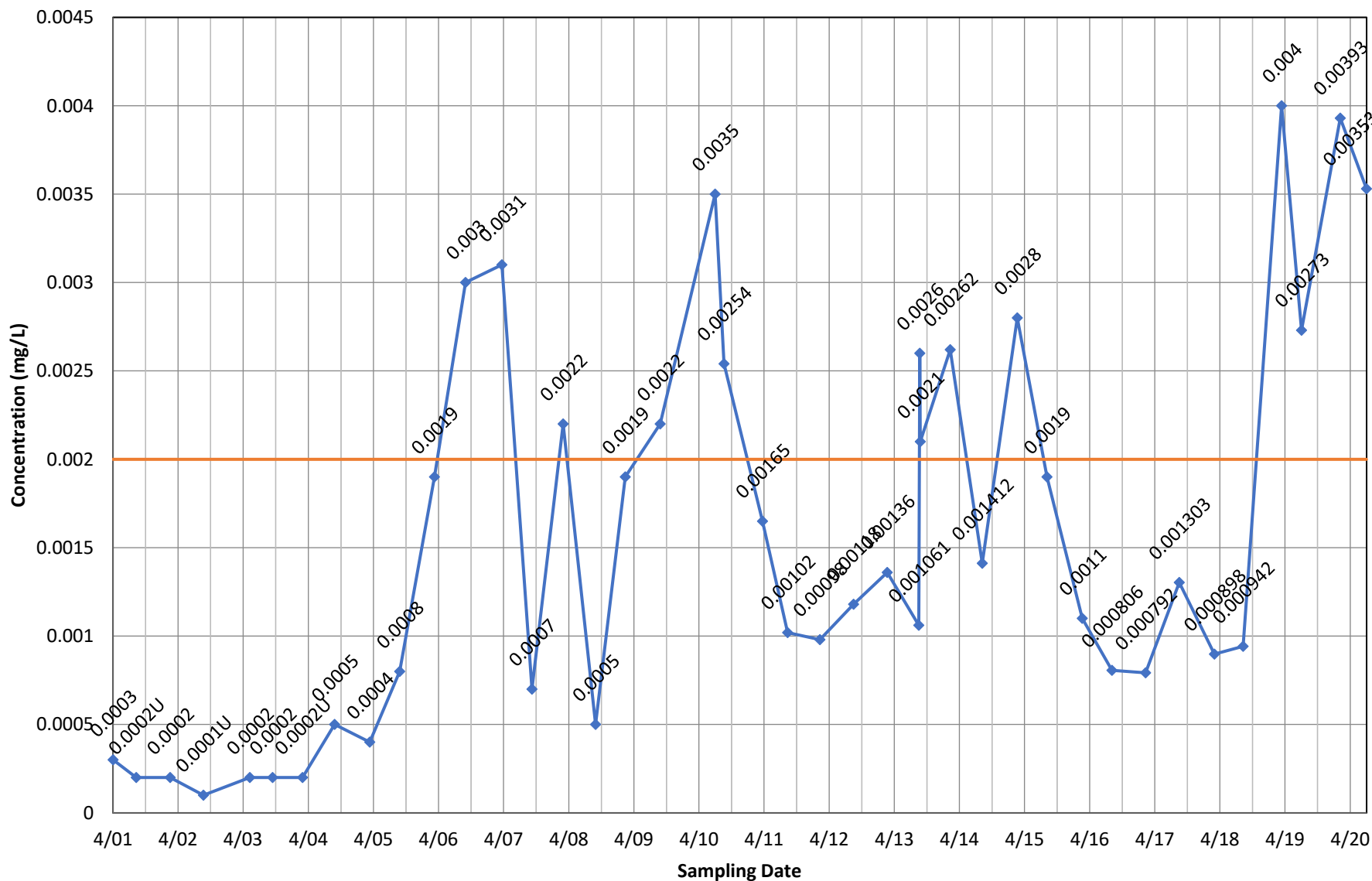
### Monitoring Well OB11 - cis-1,2-Dichloroethene



◆ Concentration    — Current MCL

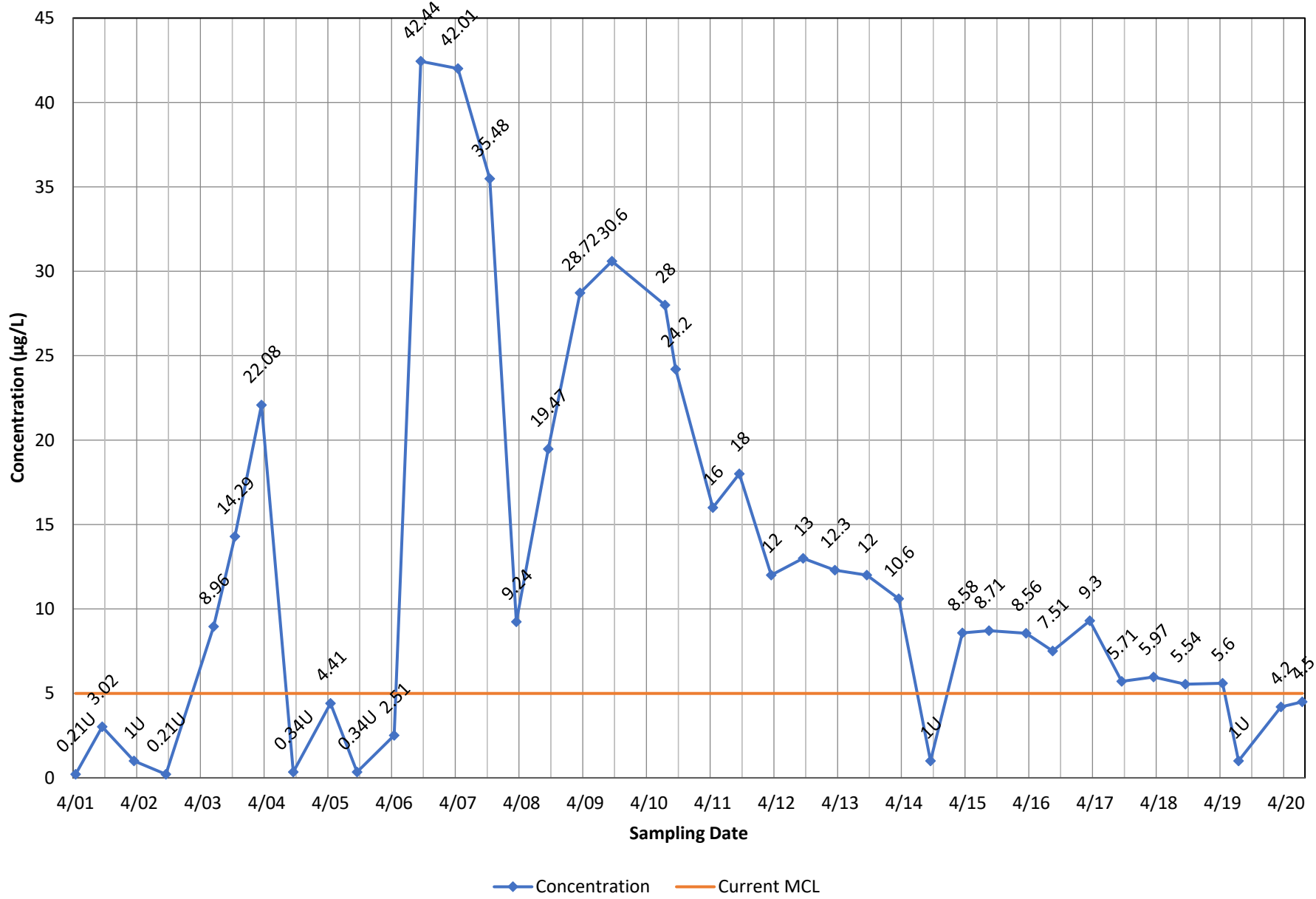


### Monitoring Well OB11 - Mercury, total

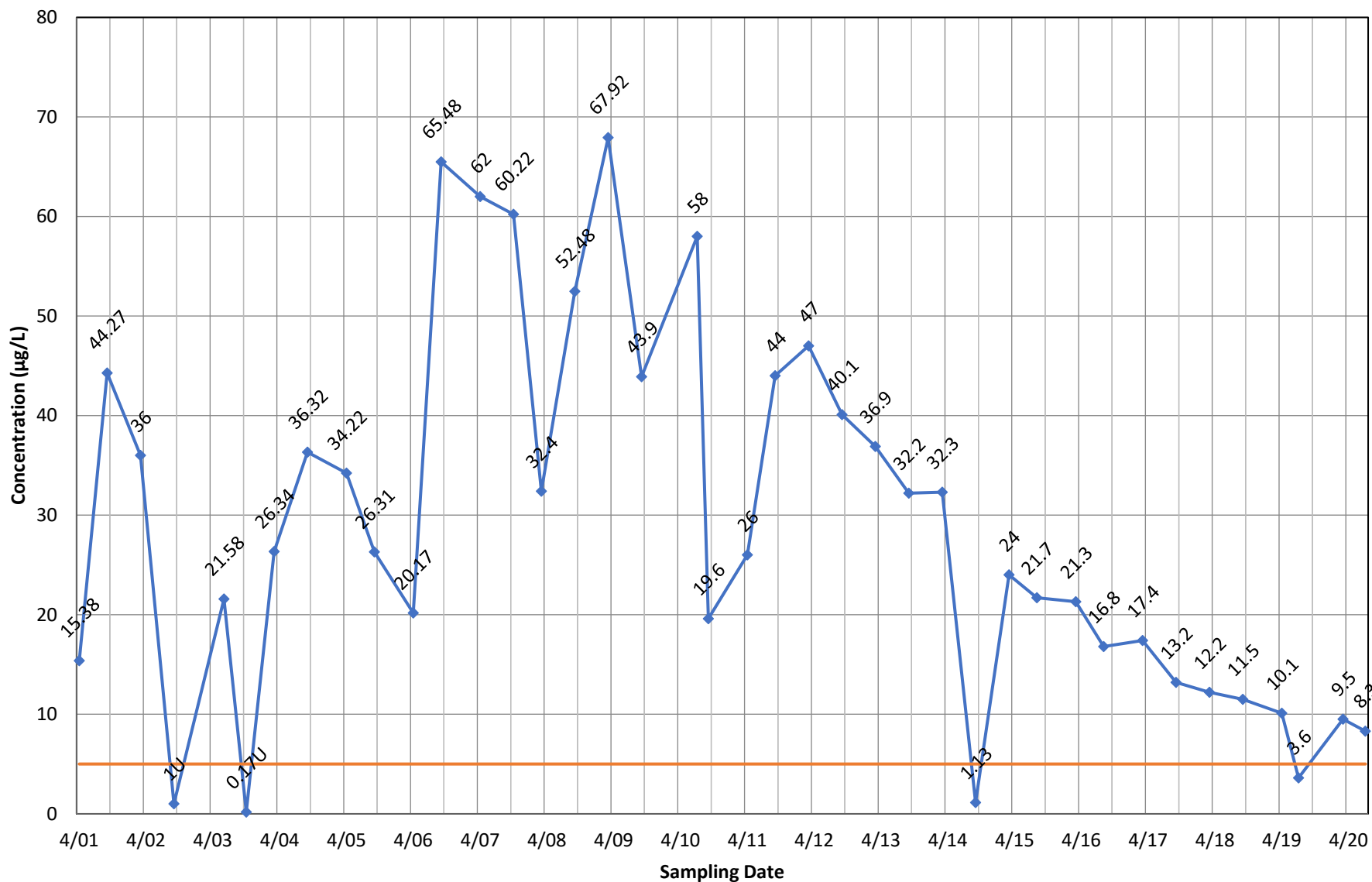


◆ Concentration    — Current MCL

### Monitoring Well OB11 - Methylene Chloride

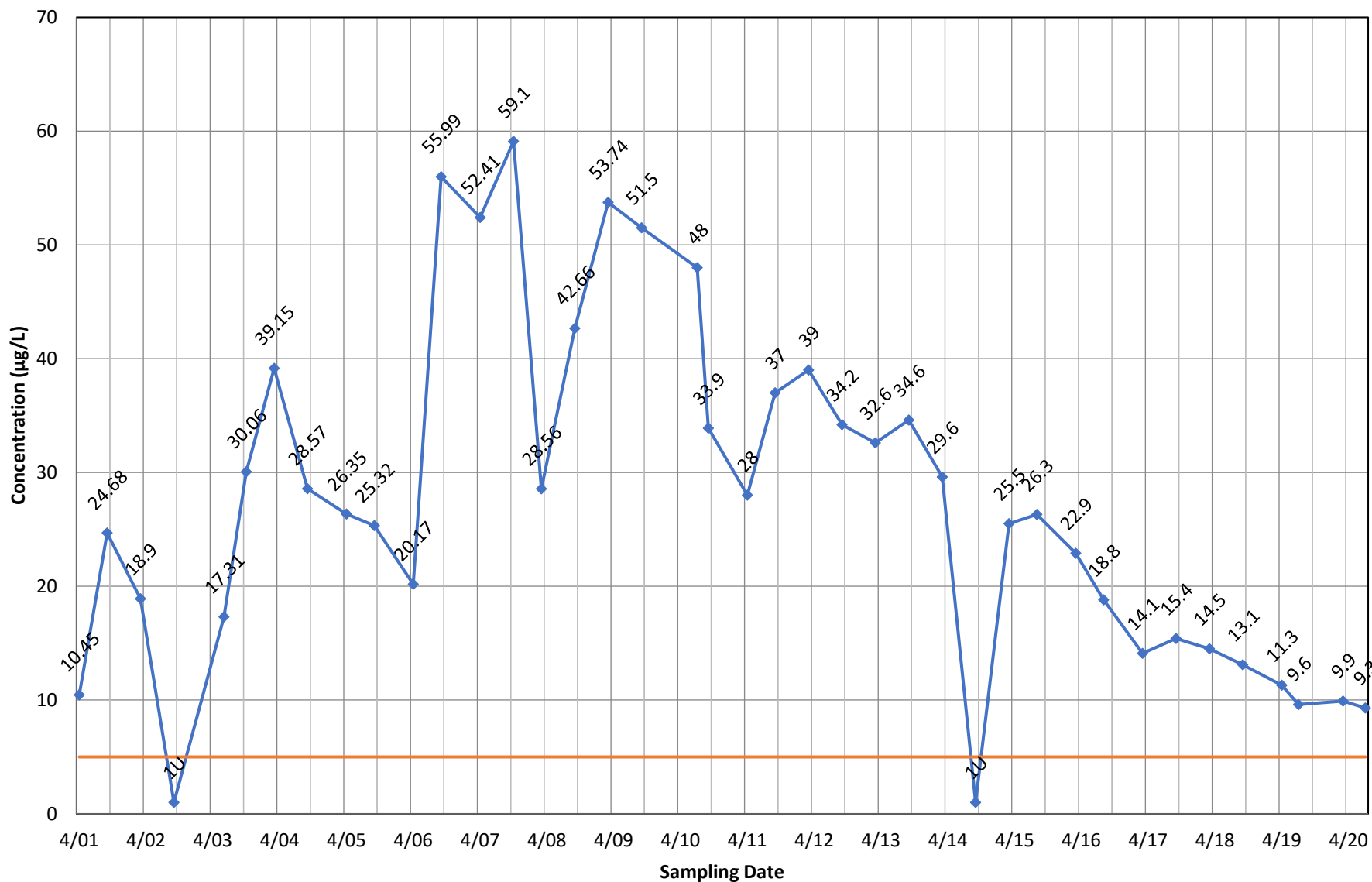


# Monitoring Well OB11 - Tetrachloroethene



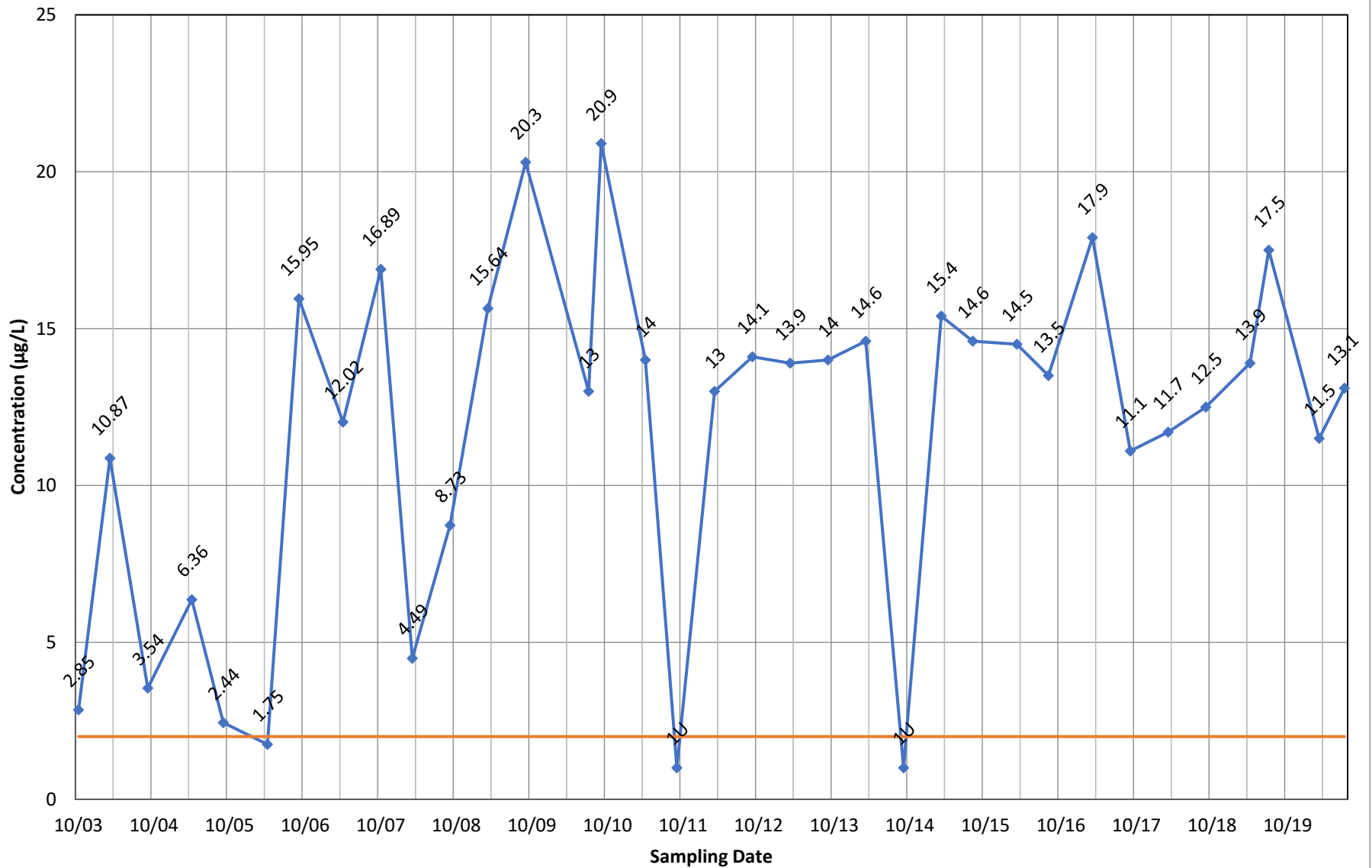
◆ Concentration    — Current MCL

# Monitoring Well OB11 - Trichloroethene



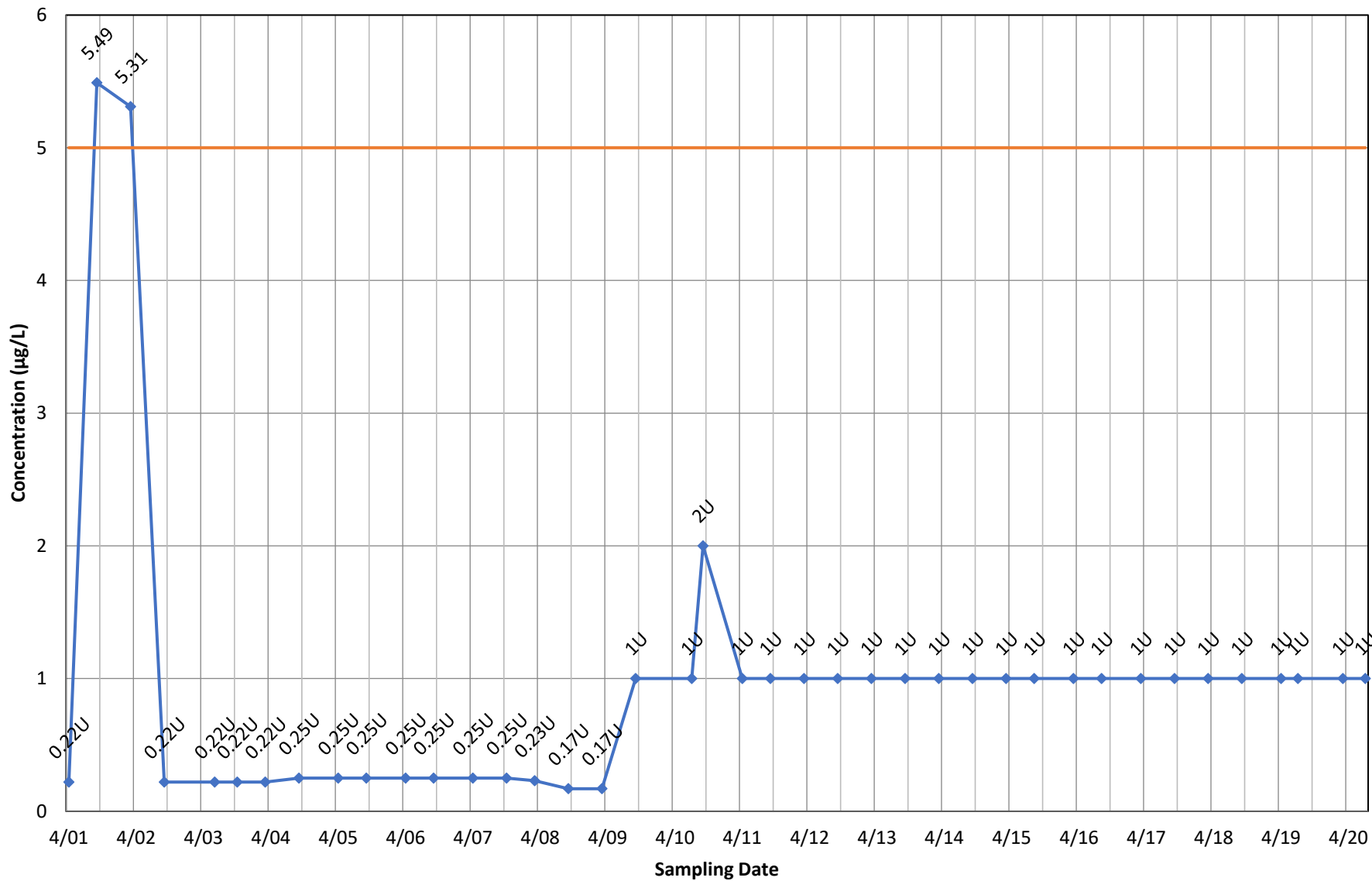
◆ Concentration    — Current MCL

# Monitoring Well OB11 - Vinyl Chloride



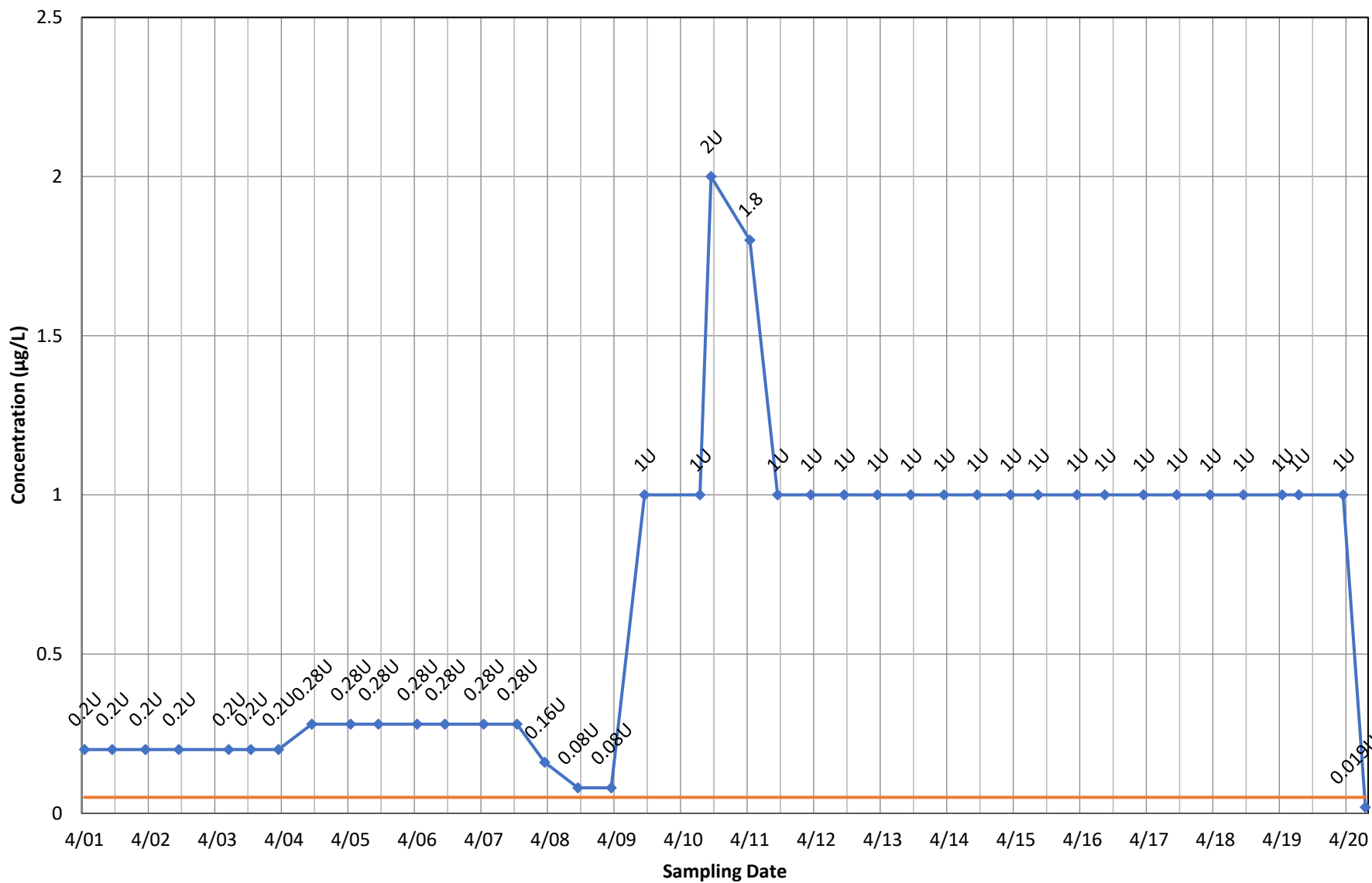
◆ Concentration    — Current MCL

### Monitoring Well OB11A - 1,1,2-Trichloroethane



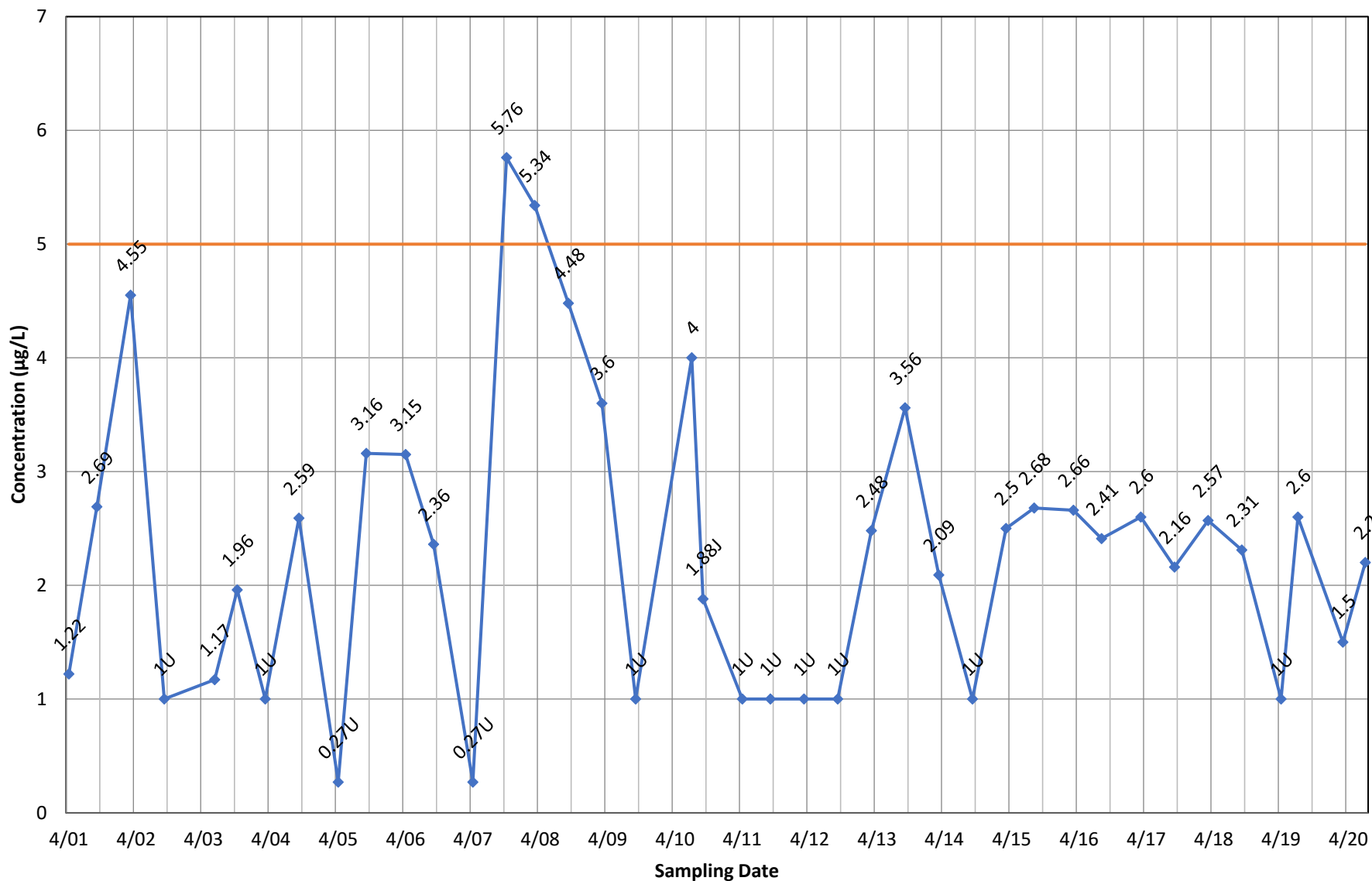
◆ Concentration    — Current MCL

### Monitoring Well OB11A - 1,2-Dibromoethane



◆ Concentration    — Current MCL

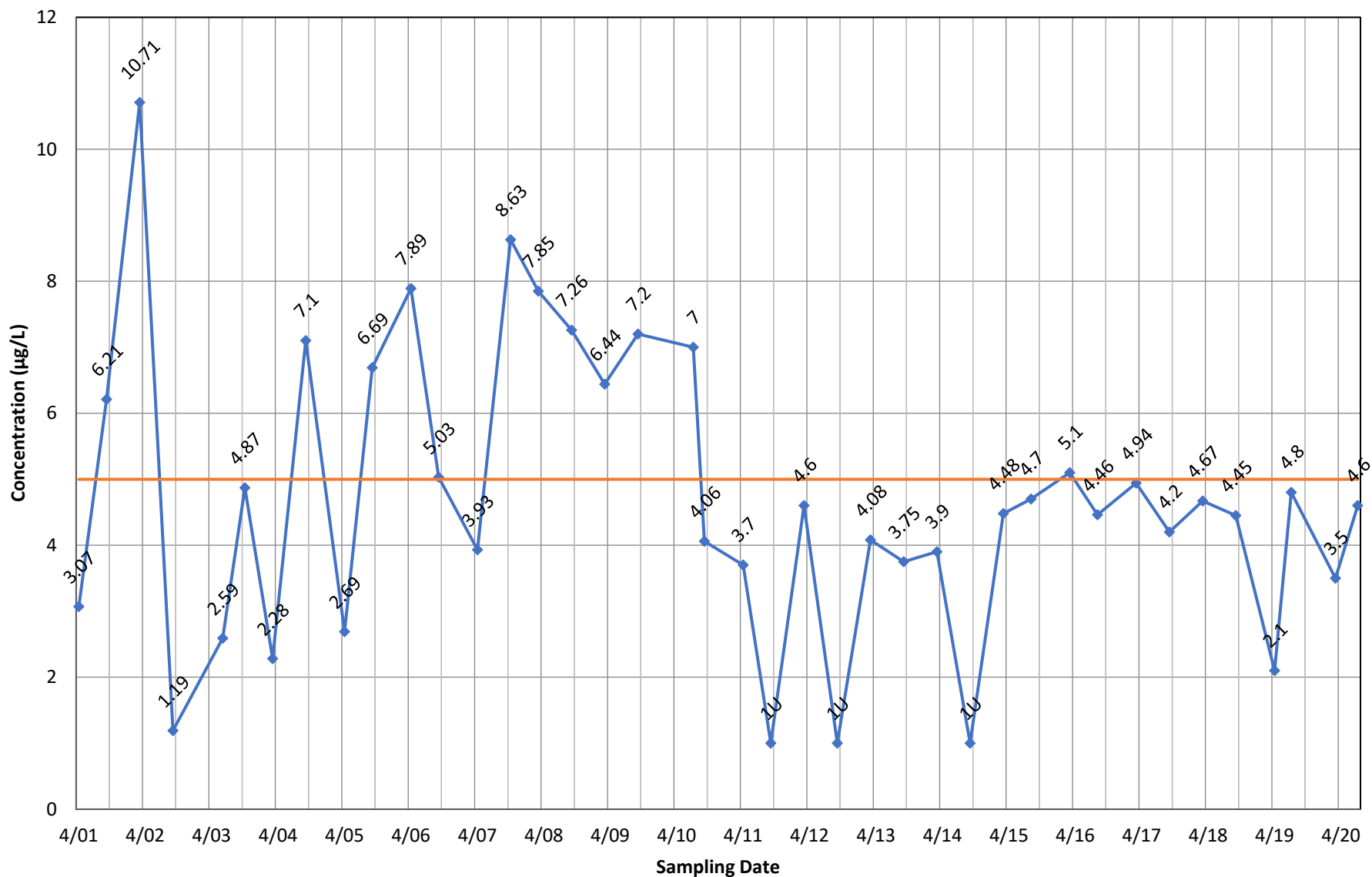
### Monitoring Well OB11A - 1,2-Dichloroethane



◆ Concentration    — Current MCL

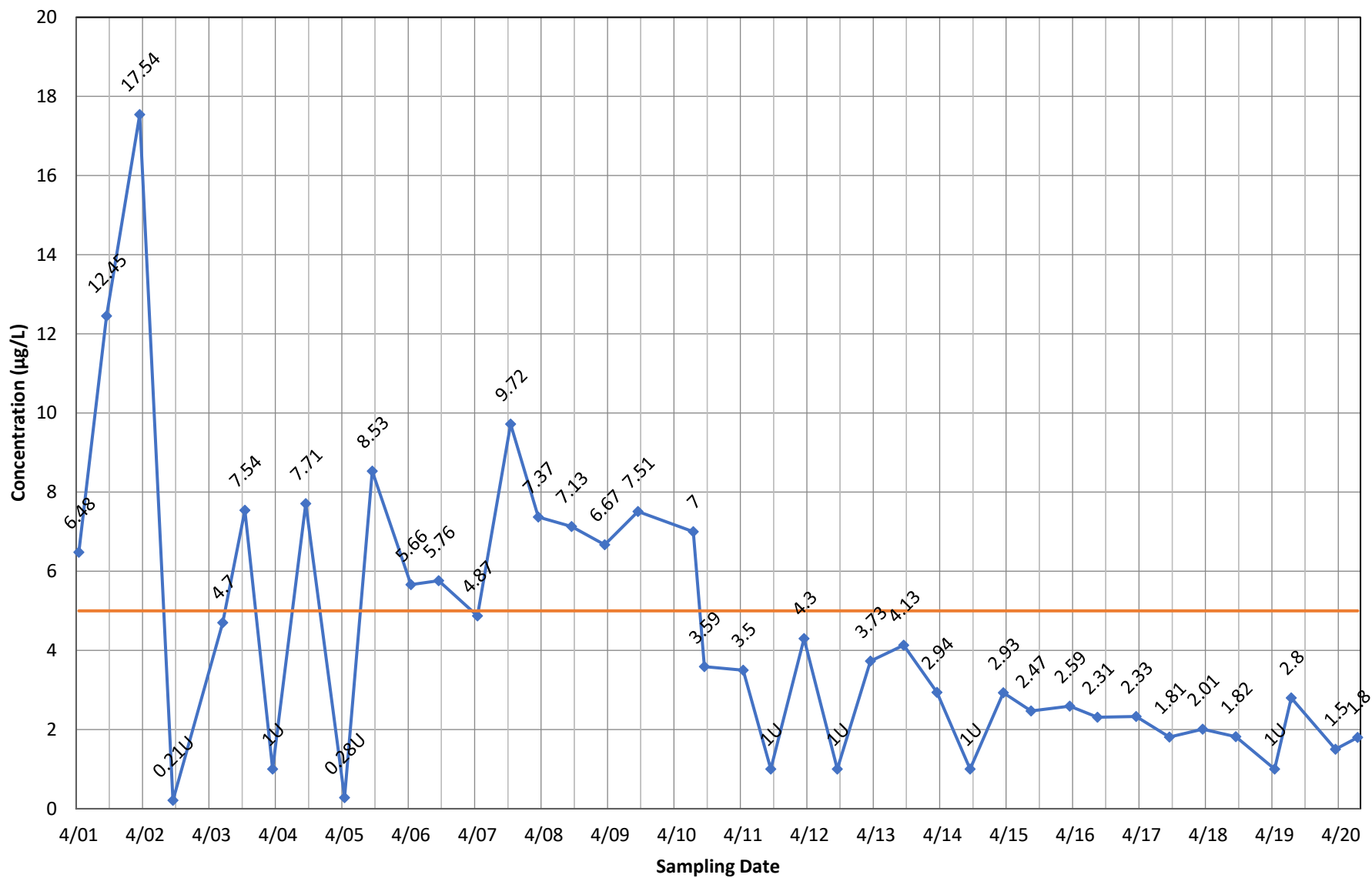


# Monitoring Well OB11A - 1,2-Dichloropropane



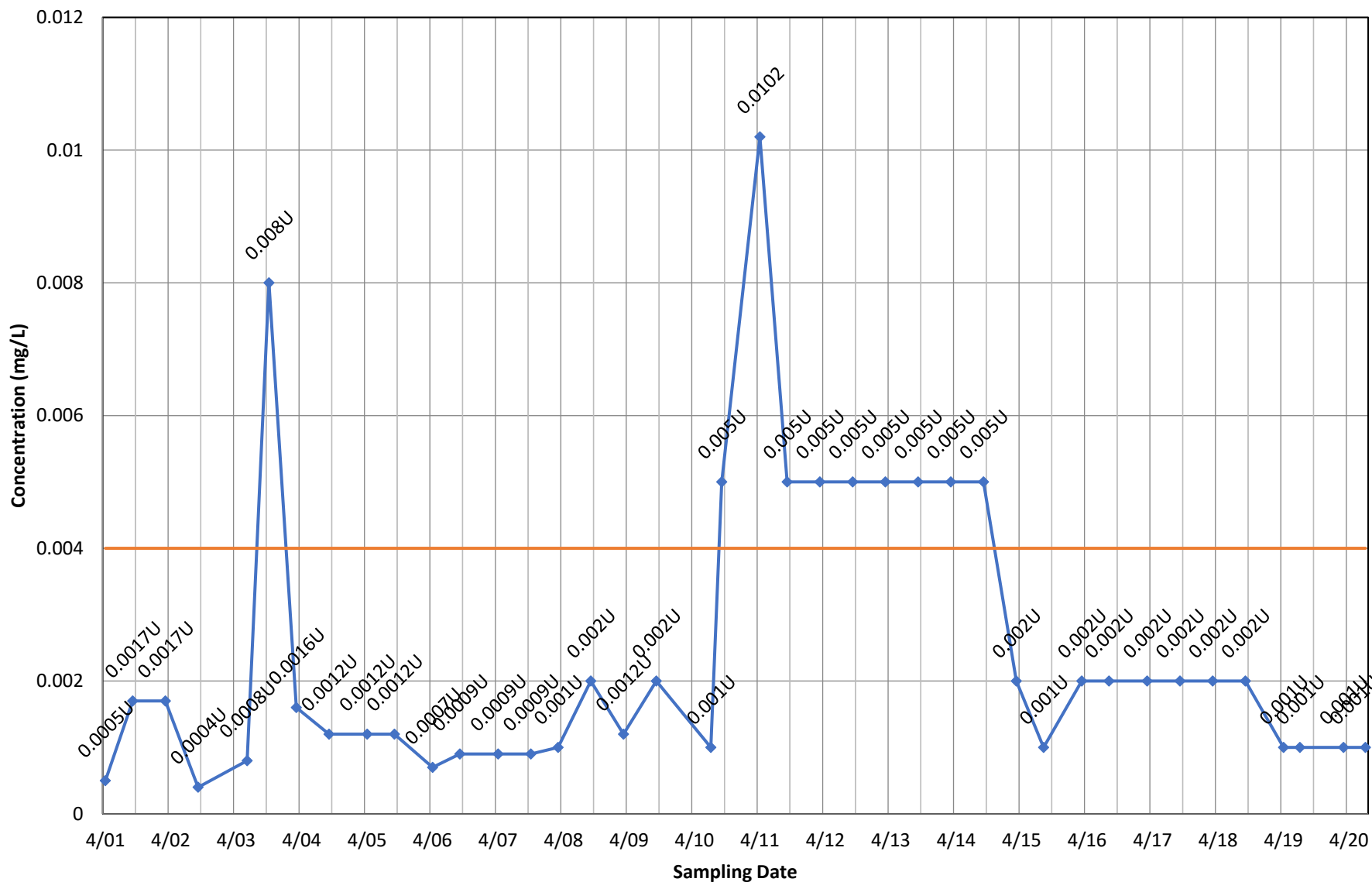
◆ Concentration    — Current MCL

# Monitoring Well OB11A - Benzene



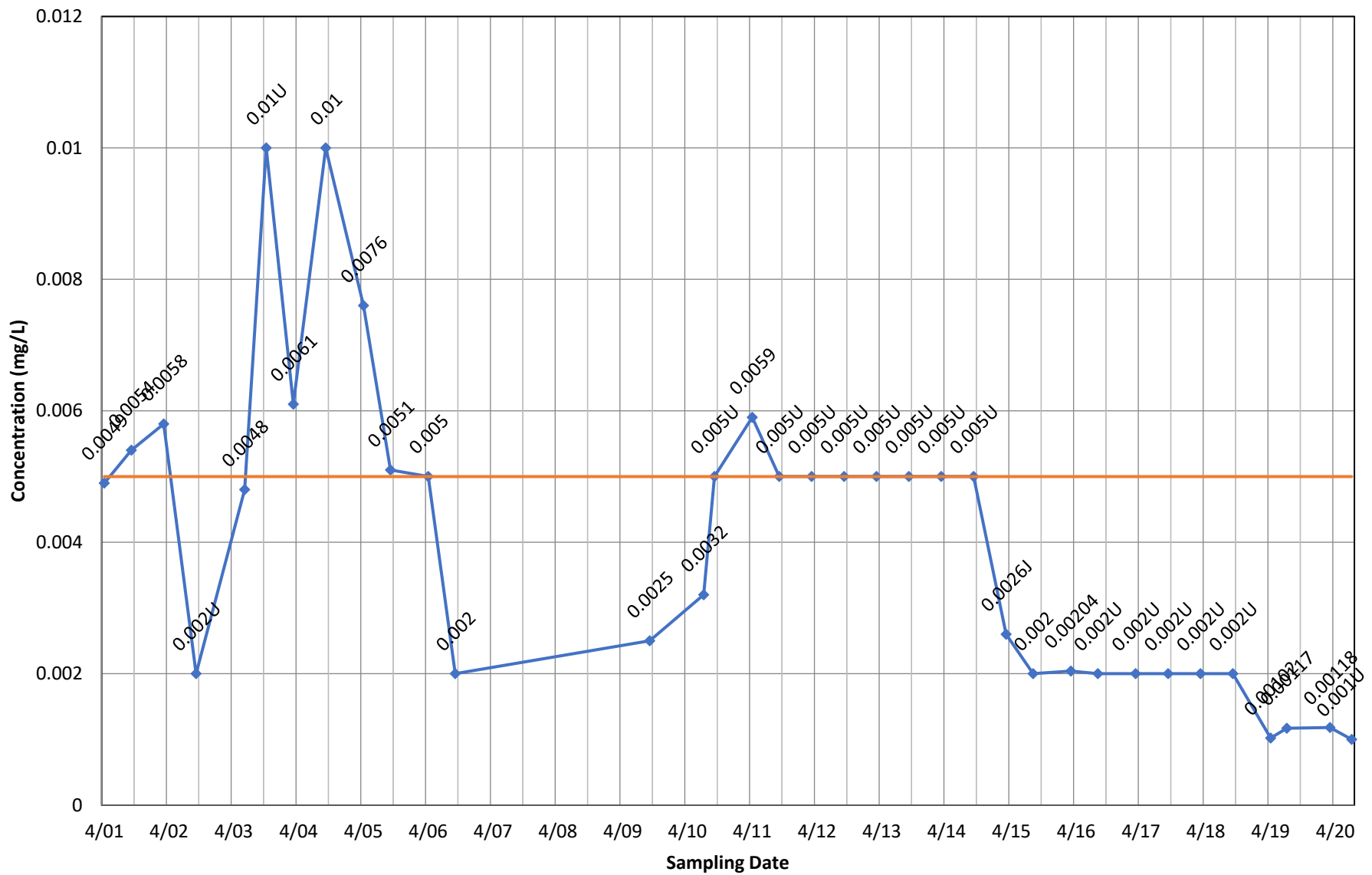
◆ Concentration    — Current MCL

### Monitoring Well OB11A - Beryllium, total



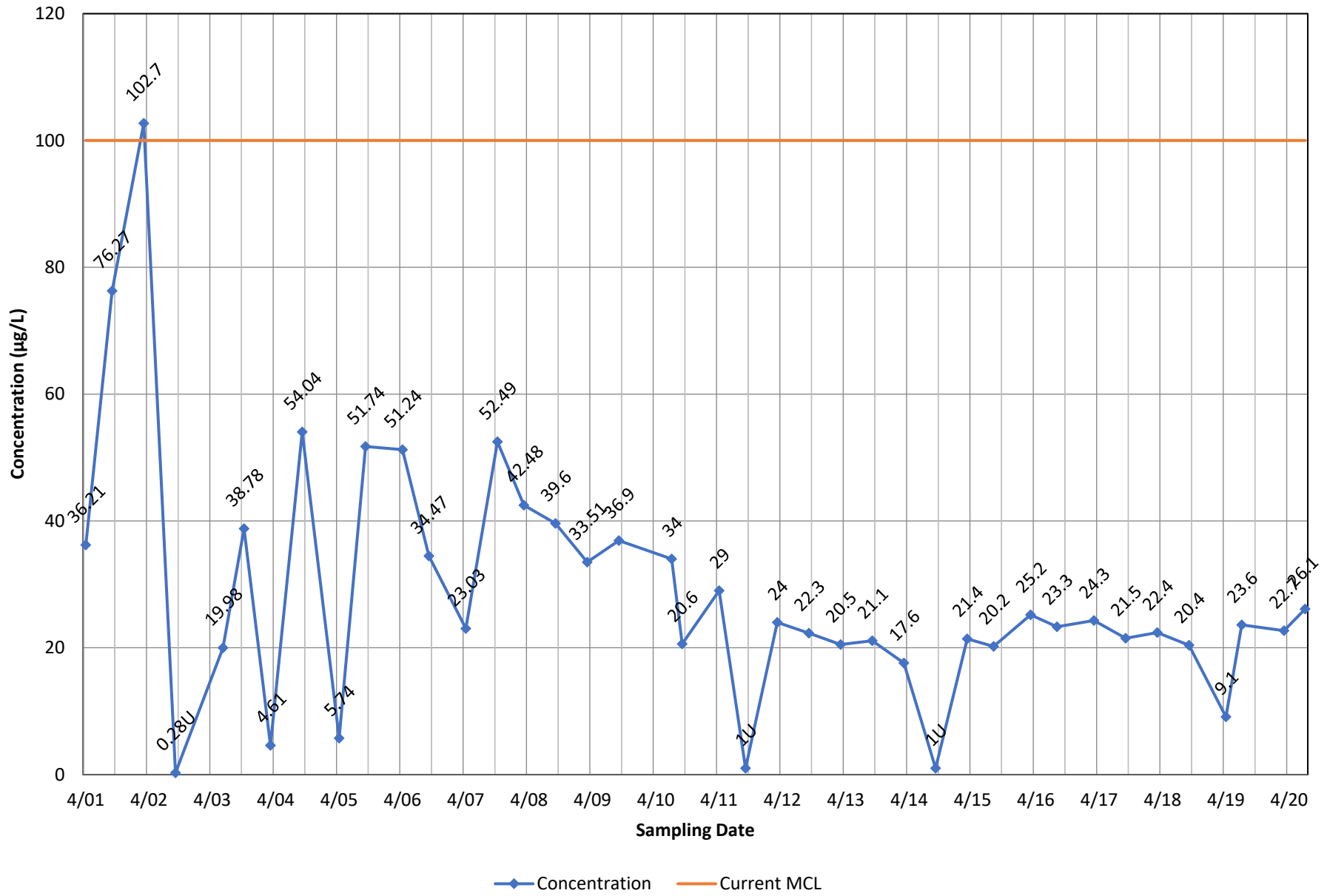
◆ Concentration    — Current MCL

# Monitoring Well OB11A - Cadmium, total

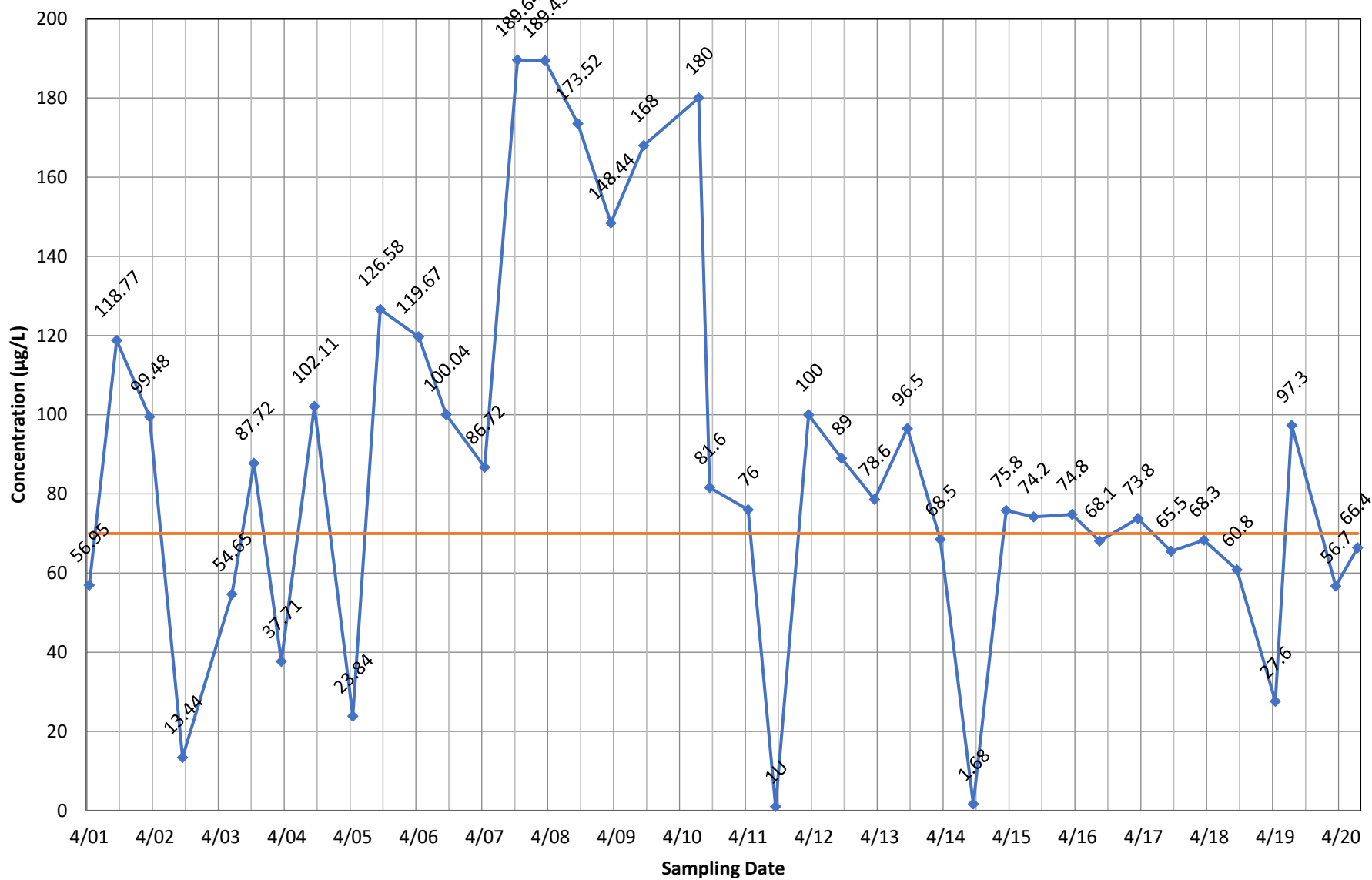


Concentration Current MCL

# Monitoring Well OB11A - Chlorobenzene

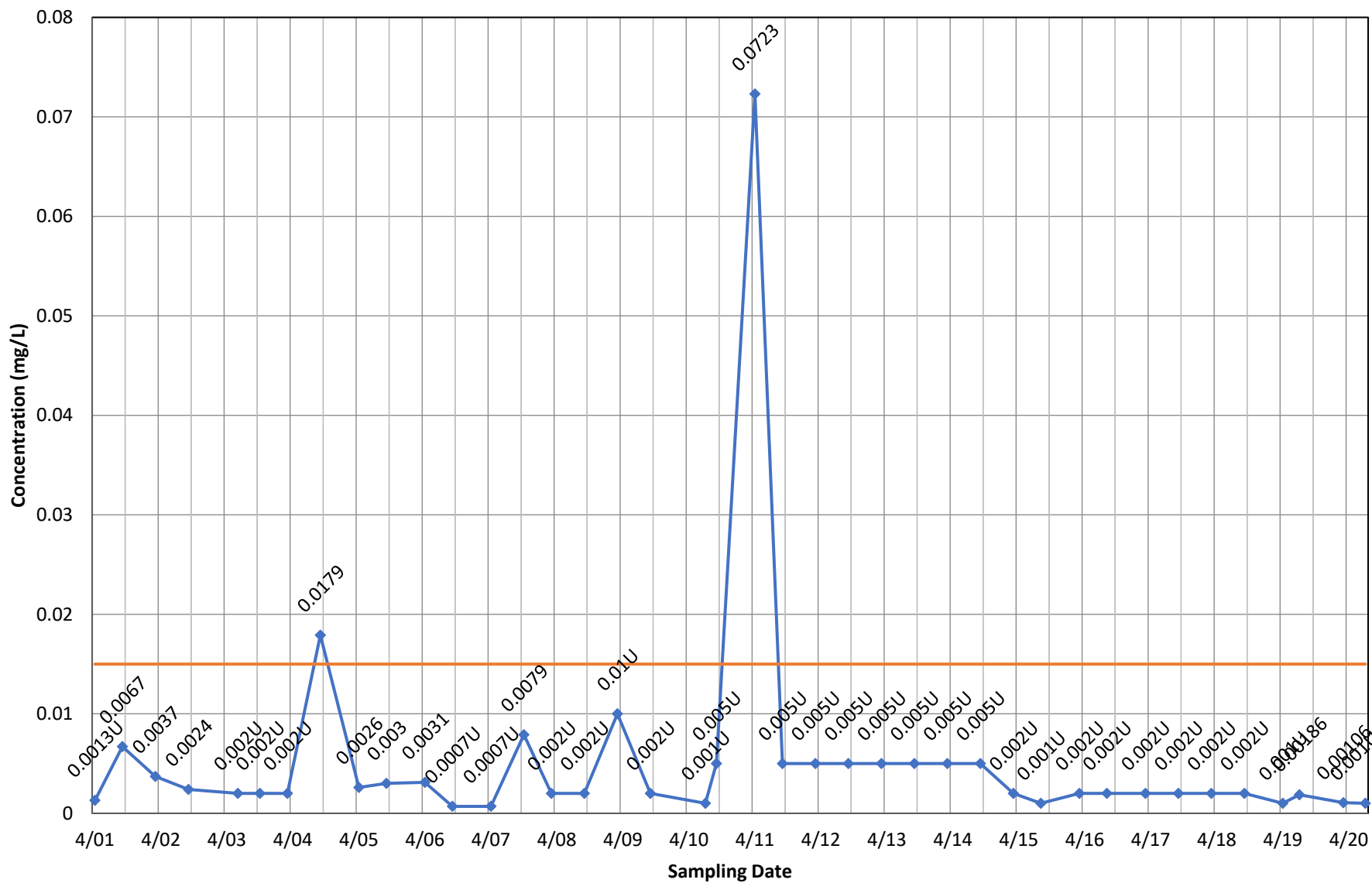


### Monitoring Well OB11A - cis-1,2-Dichloroethene



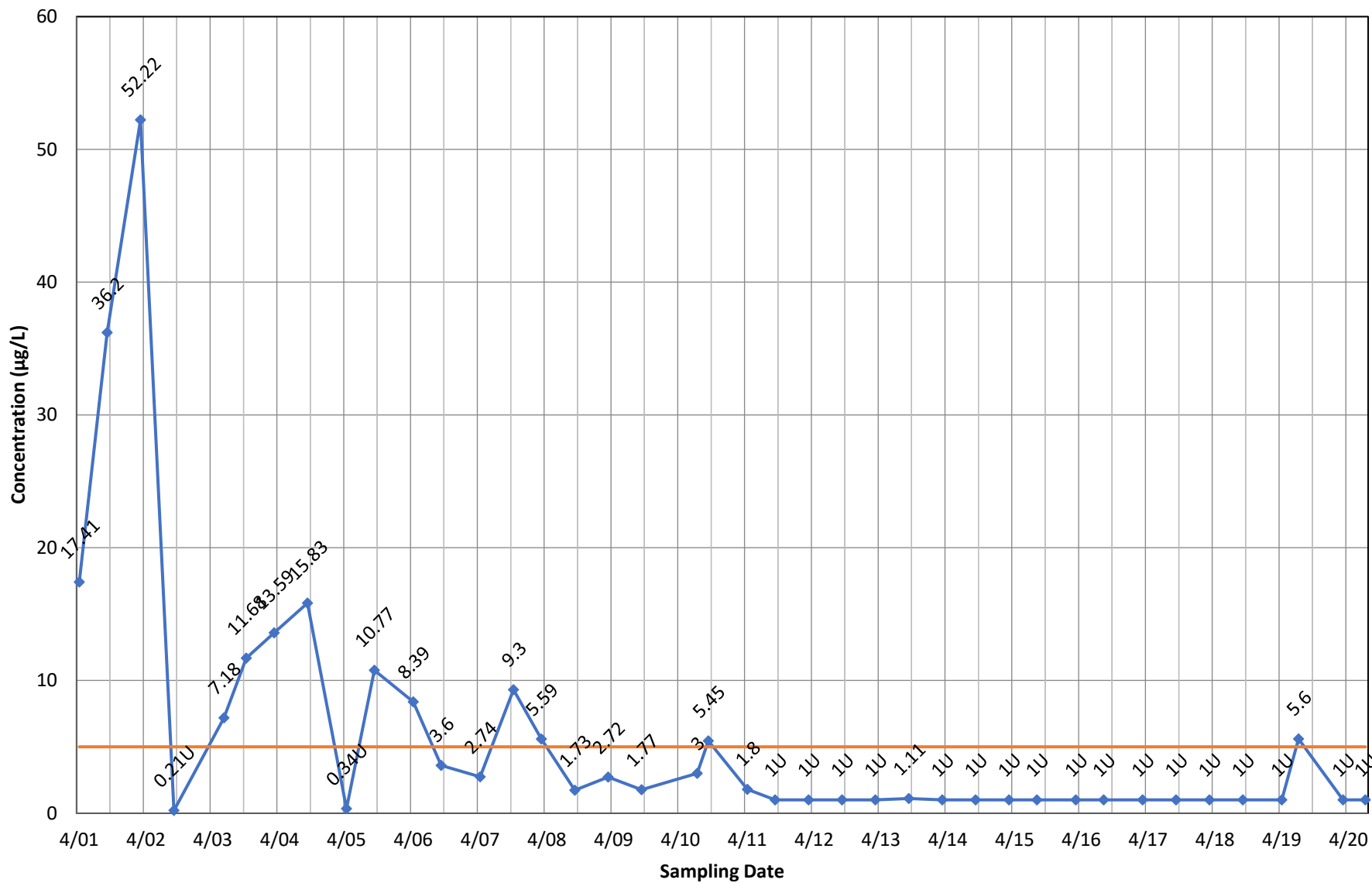
◆ Concentration    — Current MCL

### Monitoring Well OB11A - Lead, total



◆ Concentration    — Current MCL

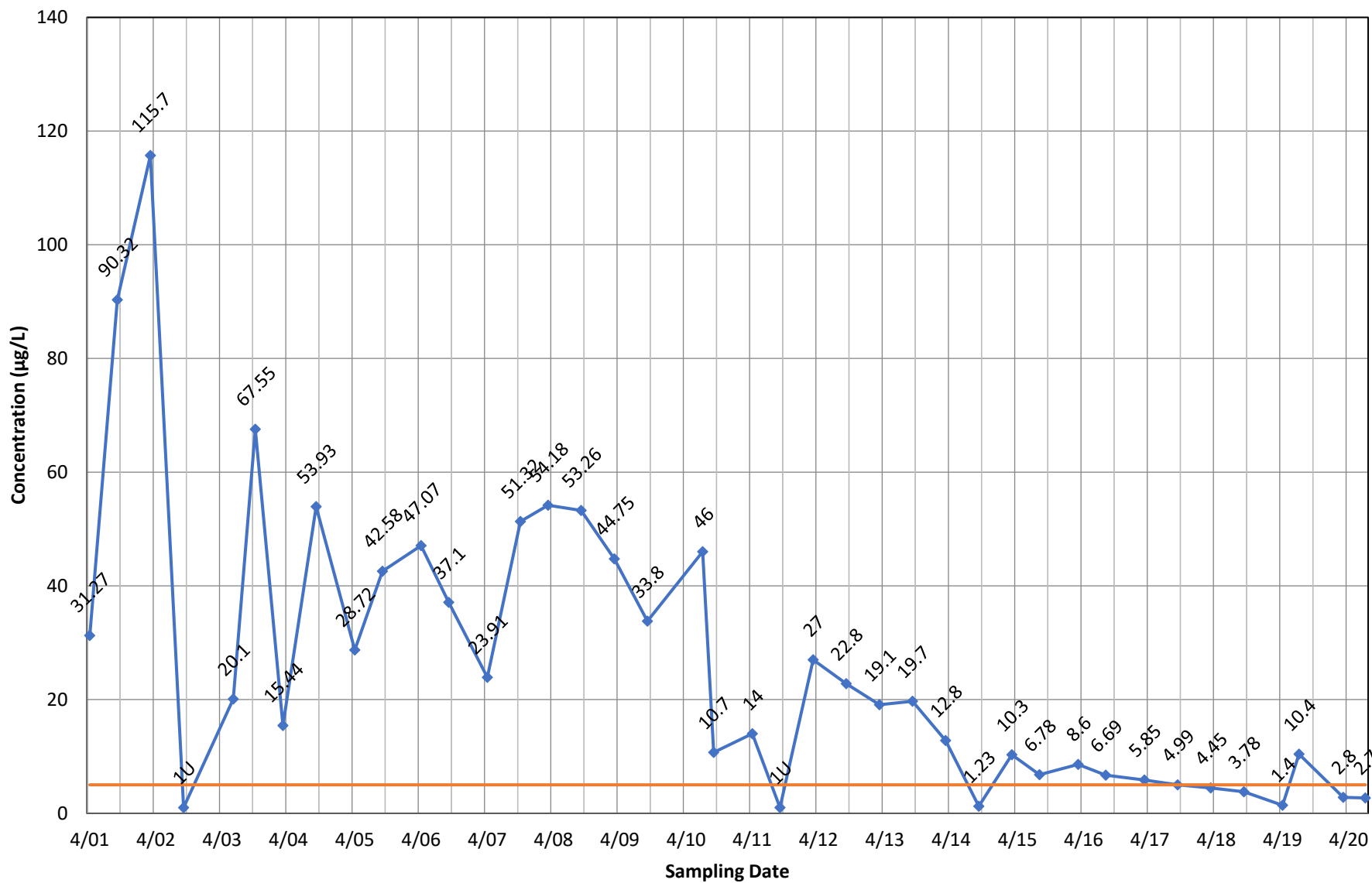
### Monitoring Well OB11A - Methylene Chloride



◆ Concentration    — Current MCL

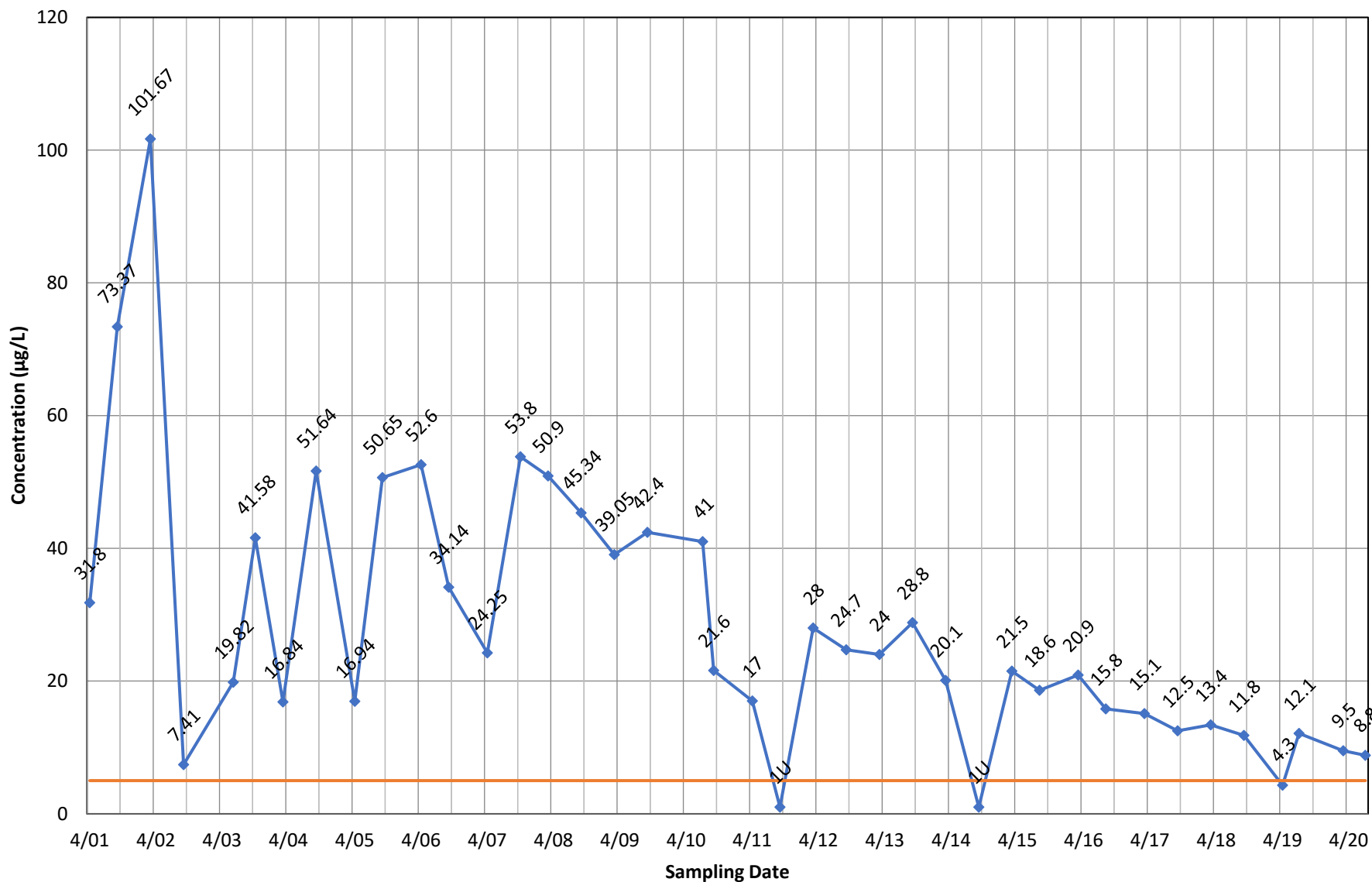


### Monitoring Well OB11A - Tetrachloroethene



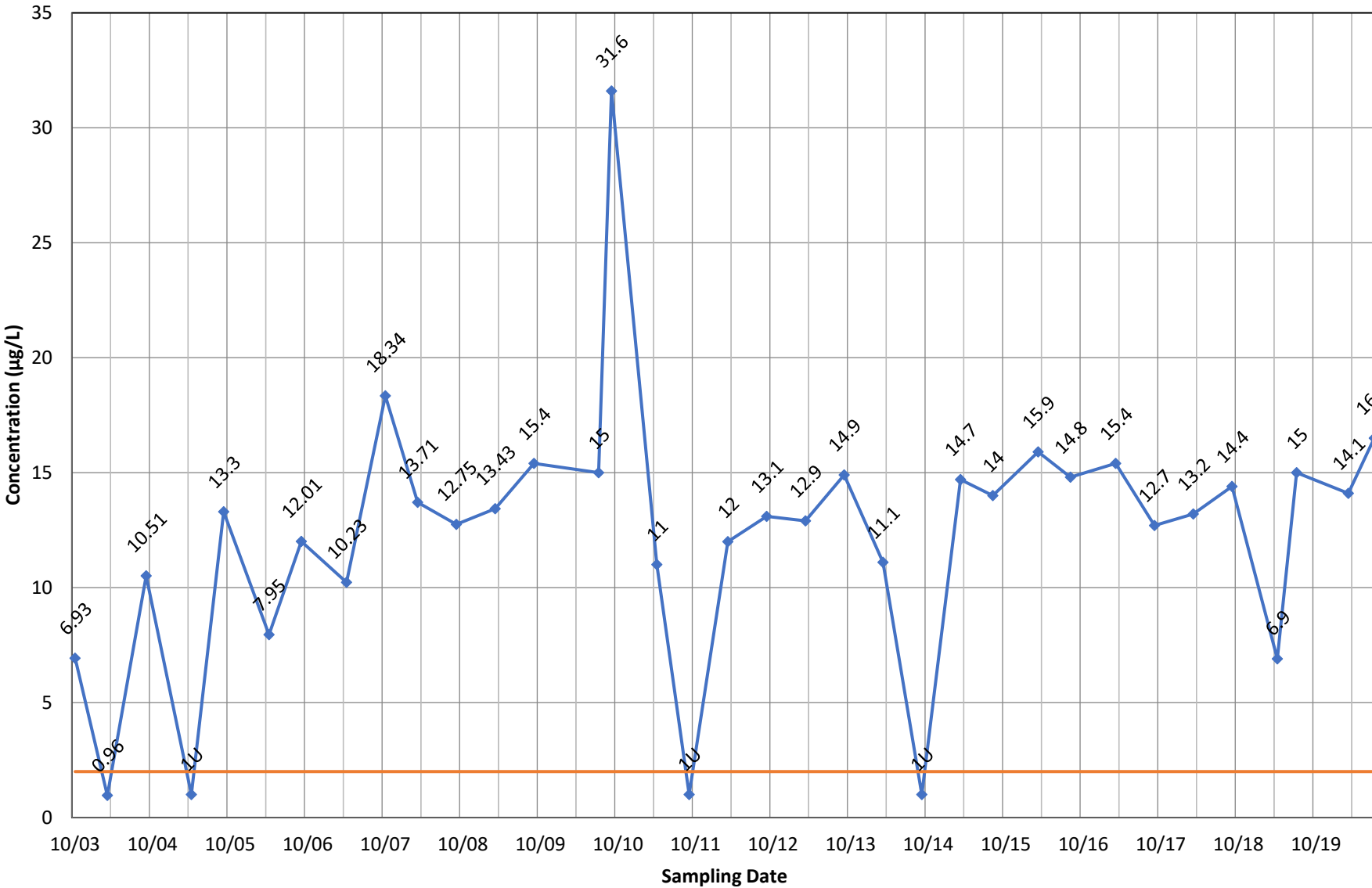
◆ Concentration    — Current MCL

### Monitoring Well OB11A - Trichloroethene



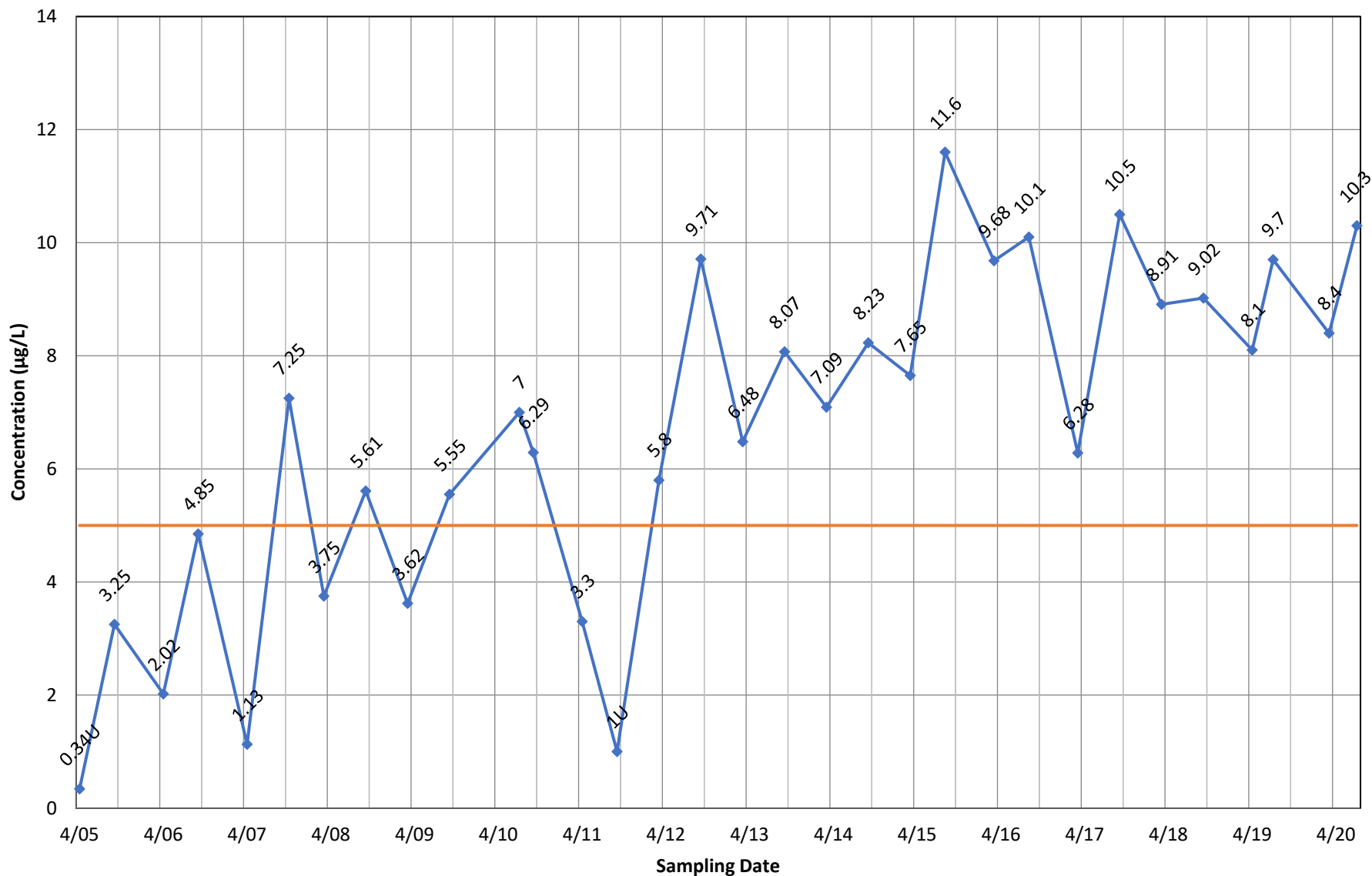
◆ Concentration    — Current MCL

### Monitoring Well OB11A - Vinyl Chloride



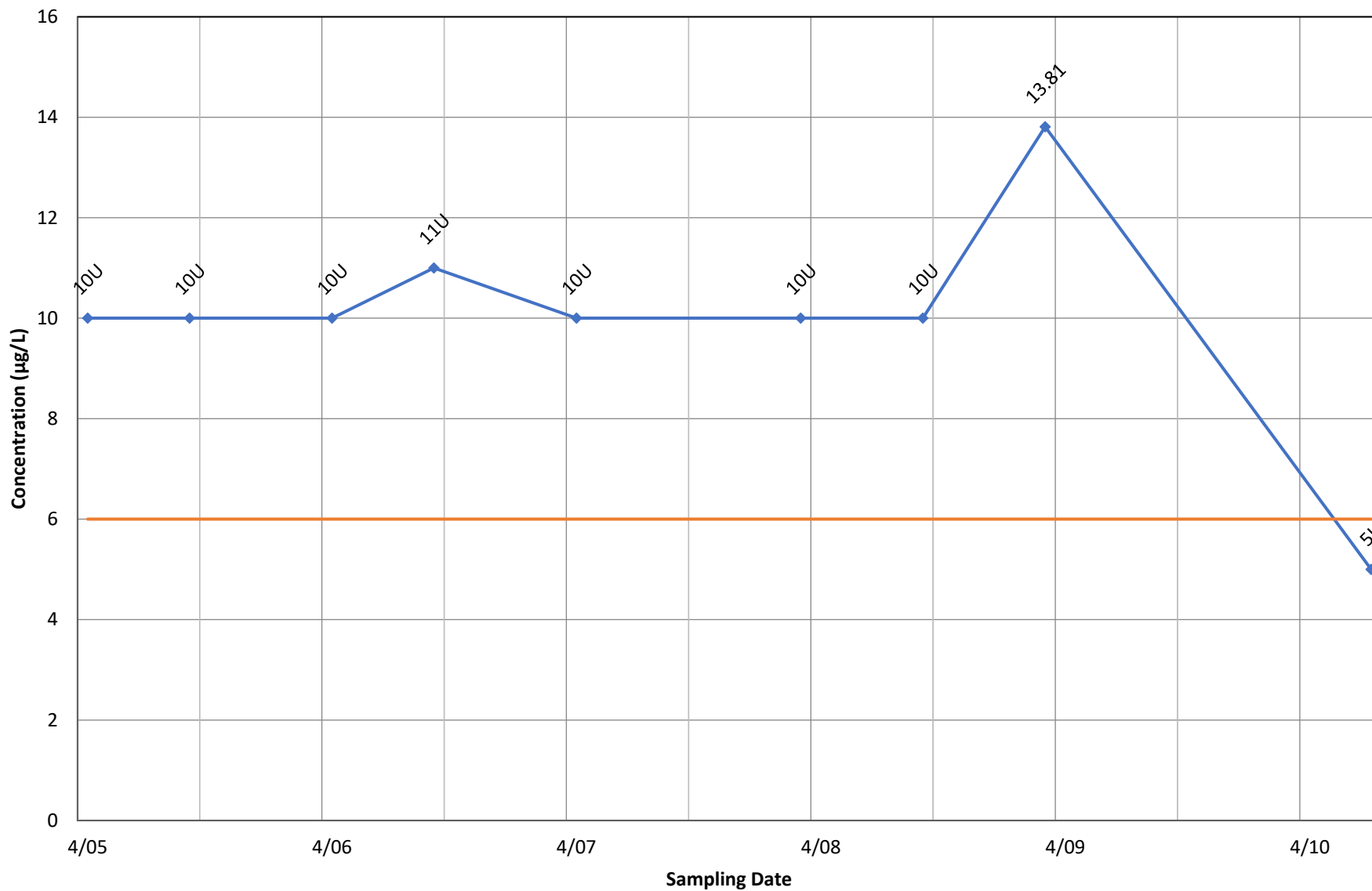
◆ Concentration    — Current MCL

### Monitoring Well OB12 - 1,2-Dichloropropane



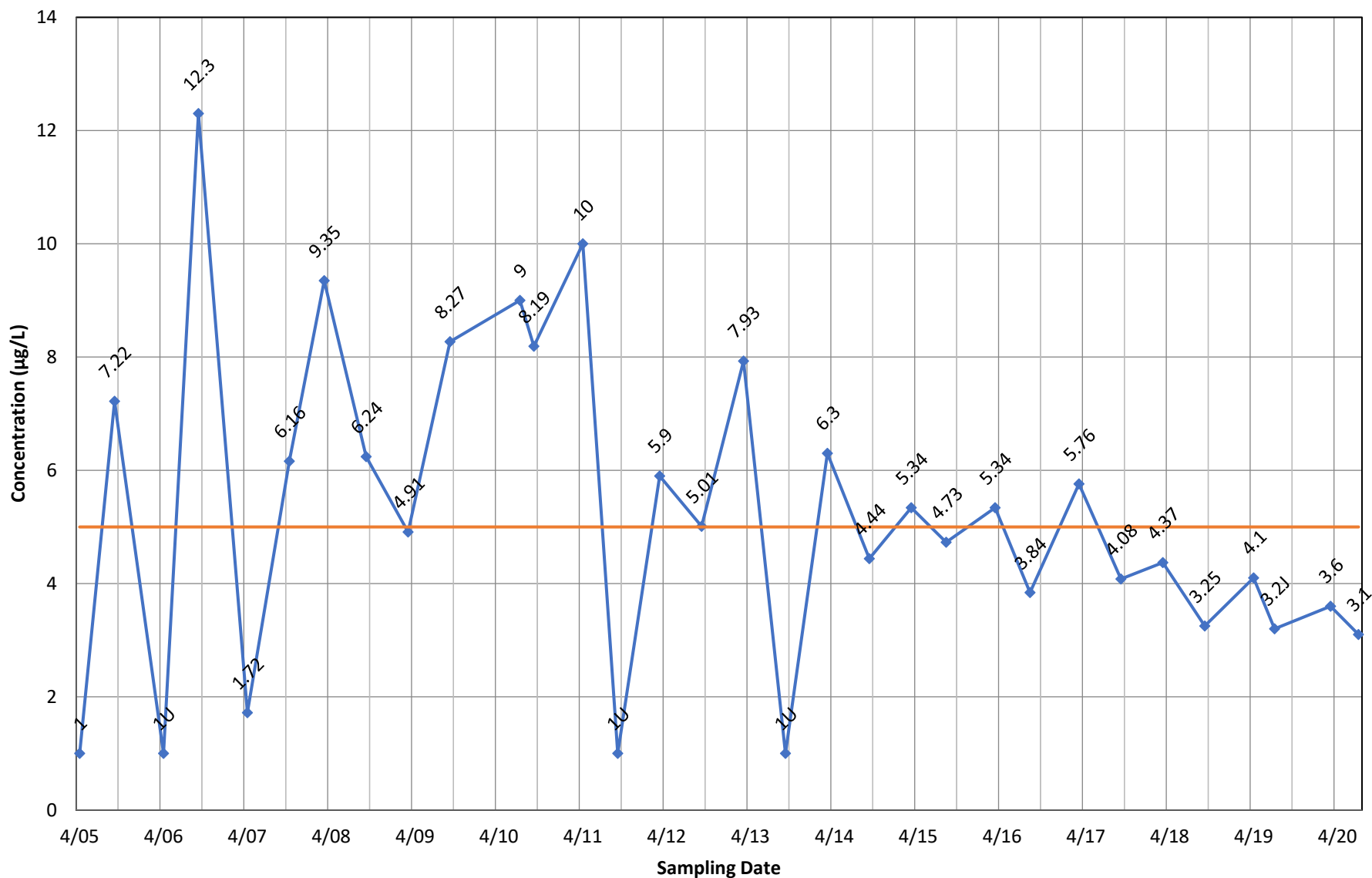
◆ Concentration    — Current MCL

### Monitoring Well OB12 - Bis(2-Ethylhexyl) Phthalate



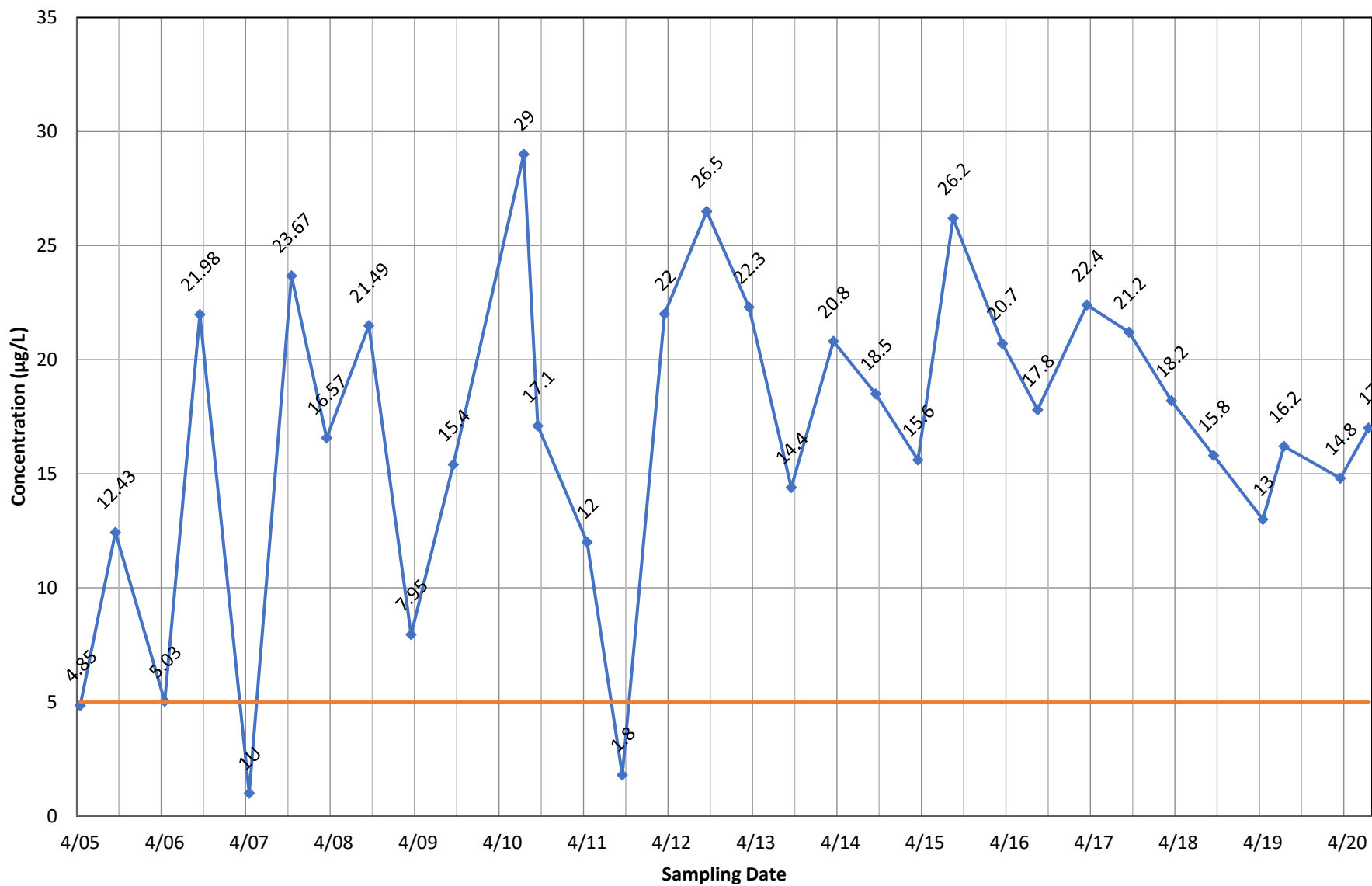
◆ Concentration    — Current MCL

# Monitoring Well OB12 - Methylene Chloride



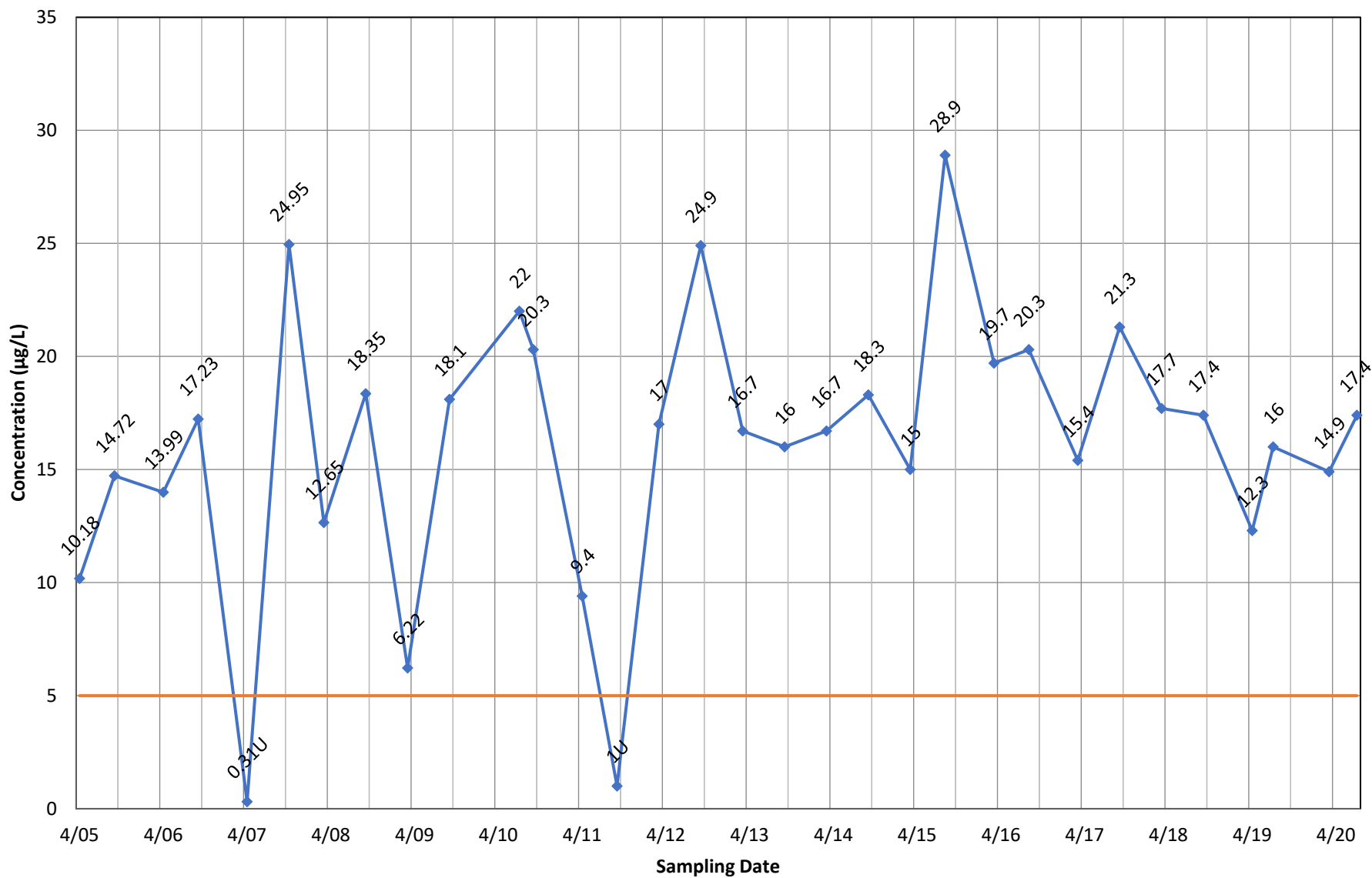
◆ Concentration    — Current MCL

### Monitoring Well OB12 - Tetrachloroethene



◆ Concentration    — Current MCL

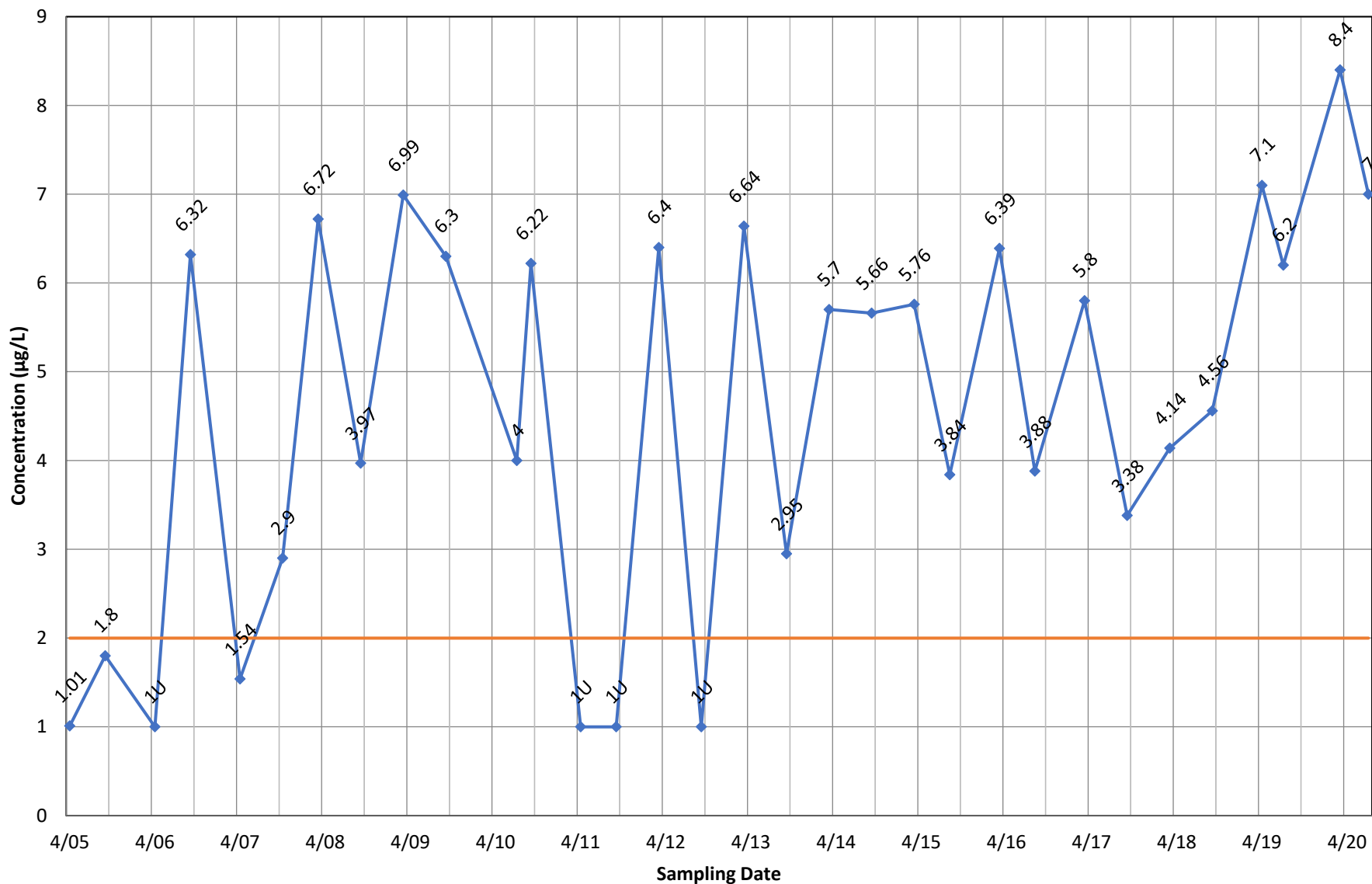
### Monitoring Well OB12 - Trichloroethene



◆ Concentration    — Current MCL

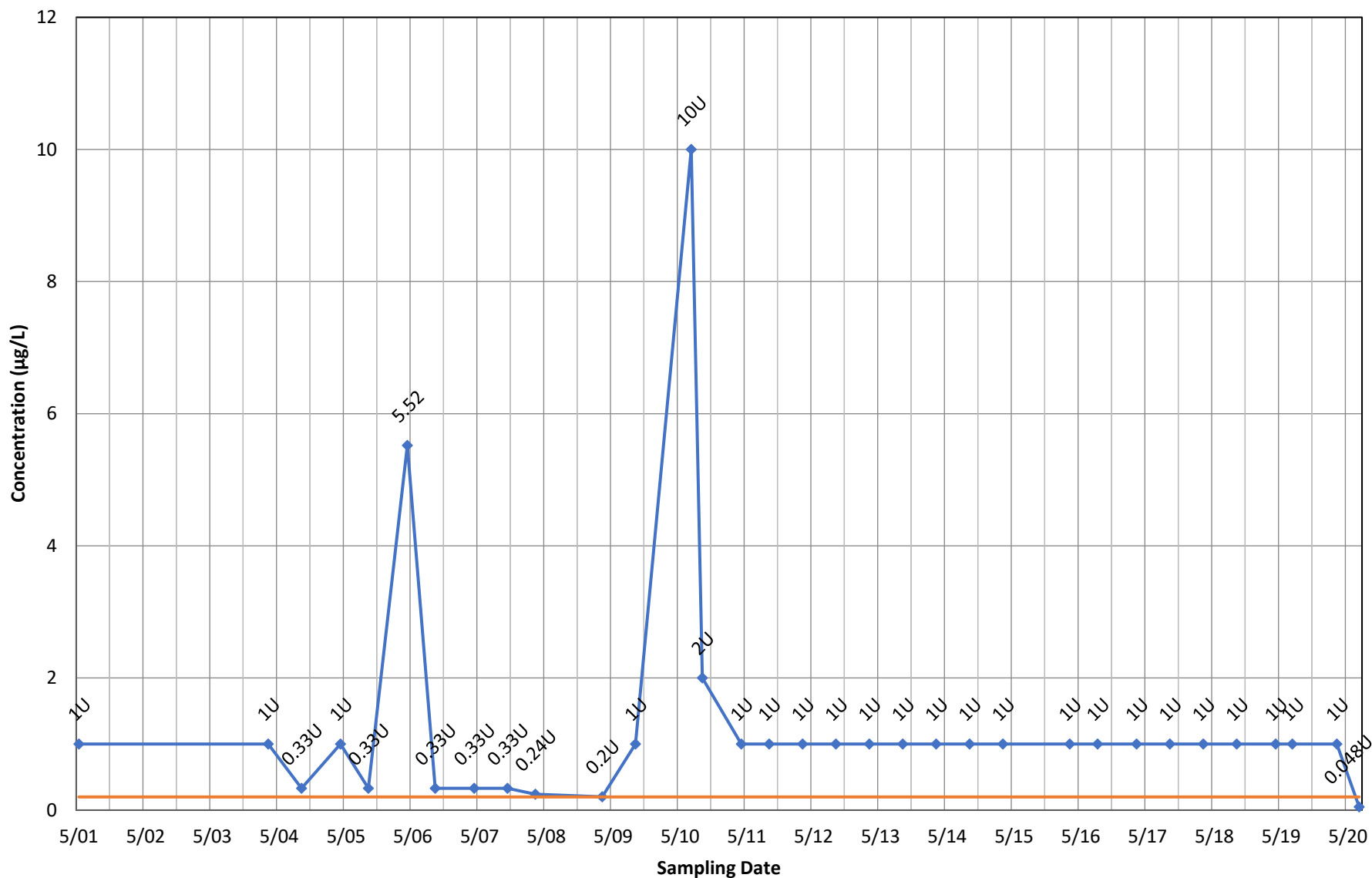


### Monitoring Well OB12 - Vinyl Chloride



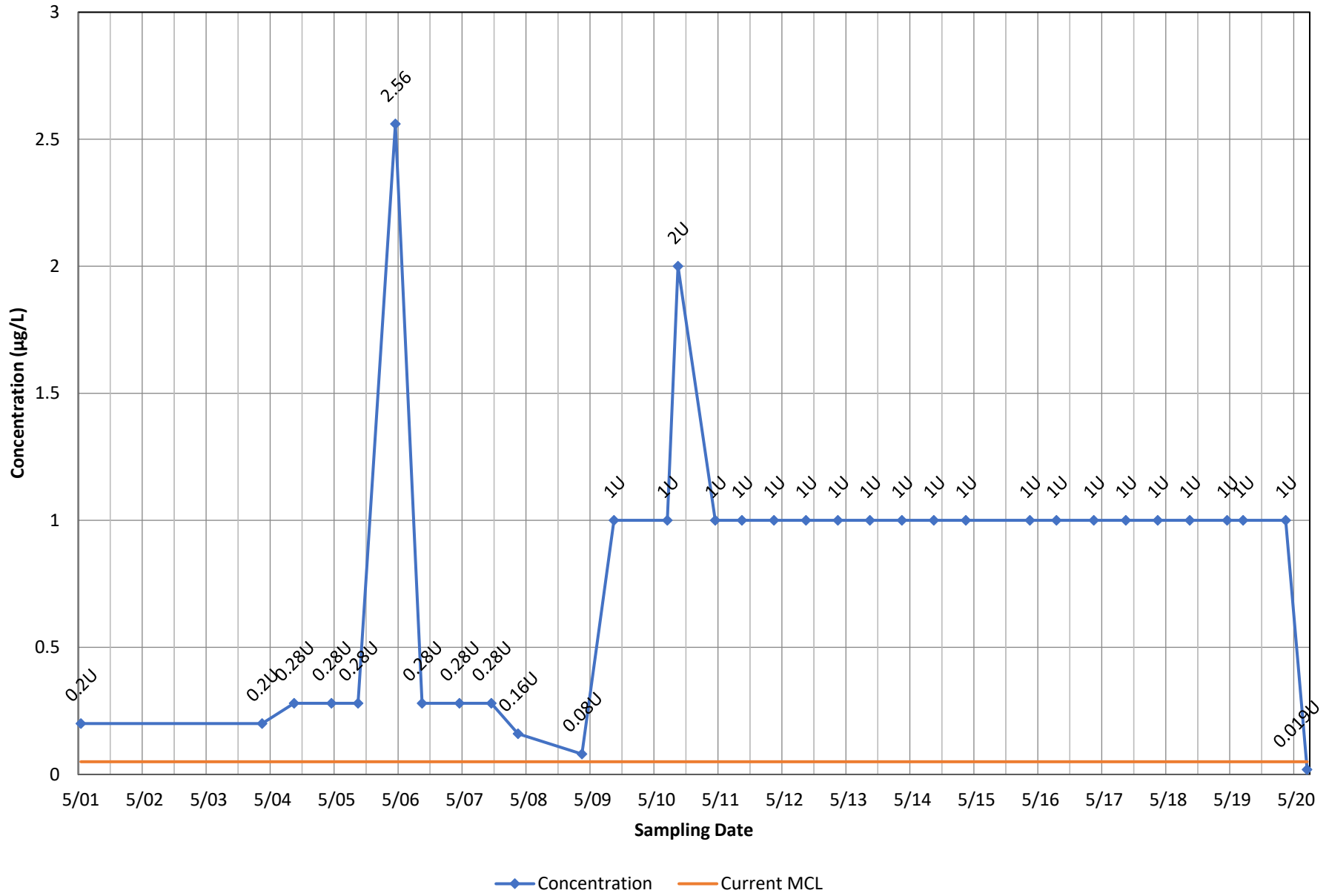
◆ Concentration    — Current MCL

# Monitoring Well ST015 - 1,2-Dibromo-3-chloropropane

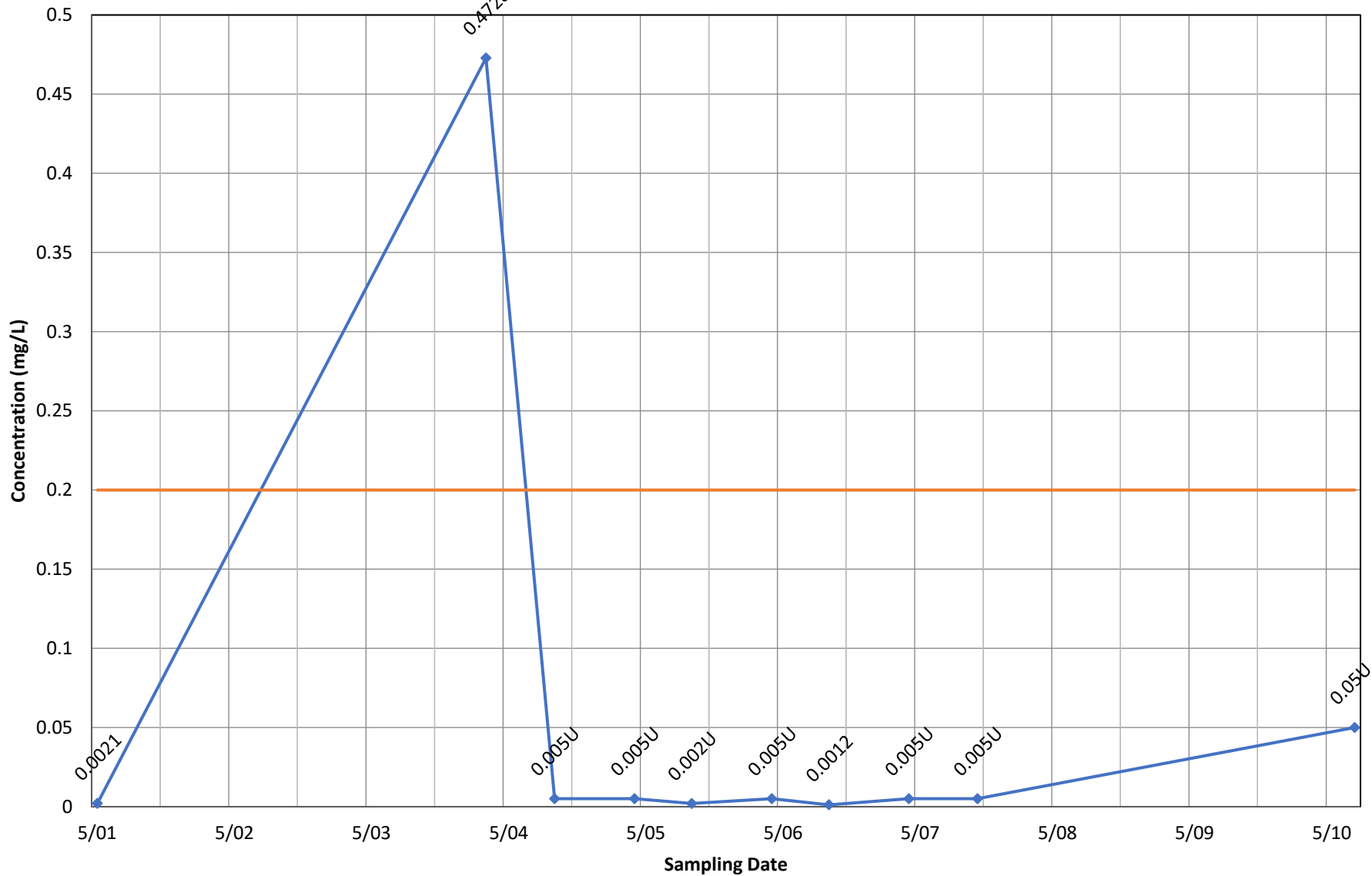


◆ Concentration    — Current MCL

# Monitoring Well ST015 - 1,2-Dibromoethane

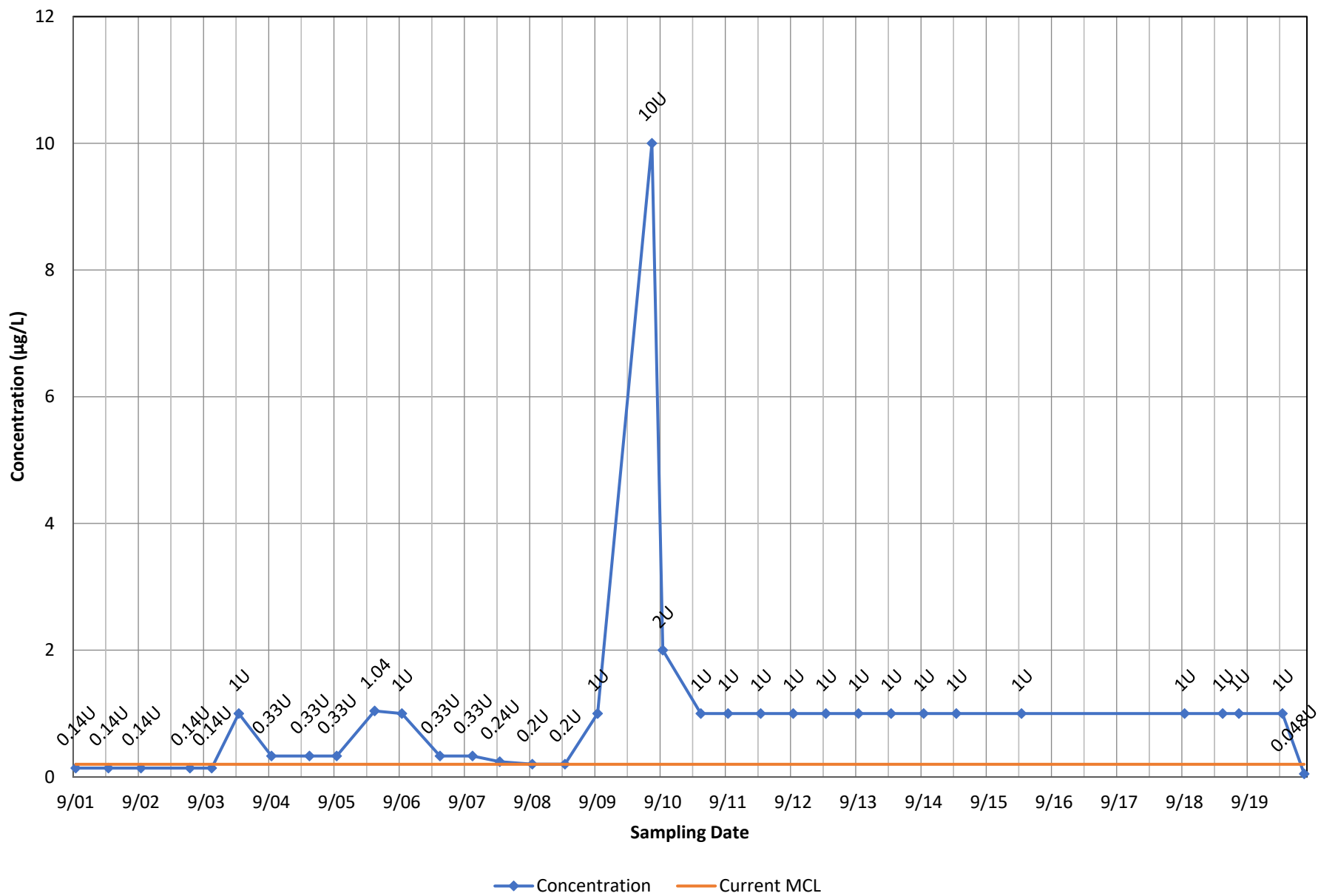


### Monitoring Well ST015 - Cyanide, Total

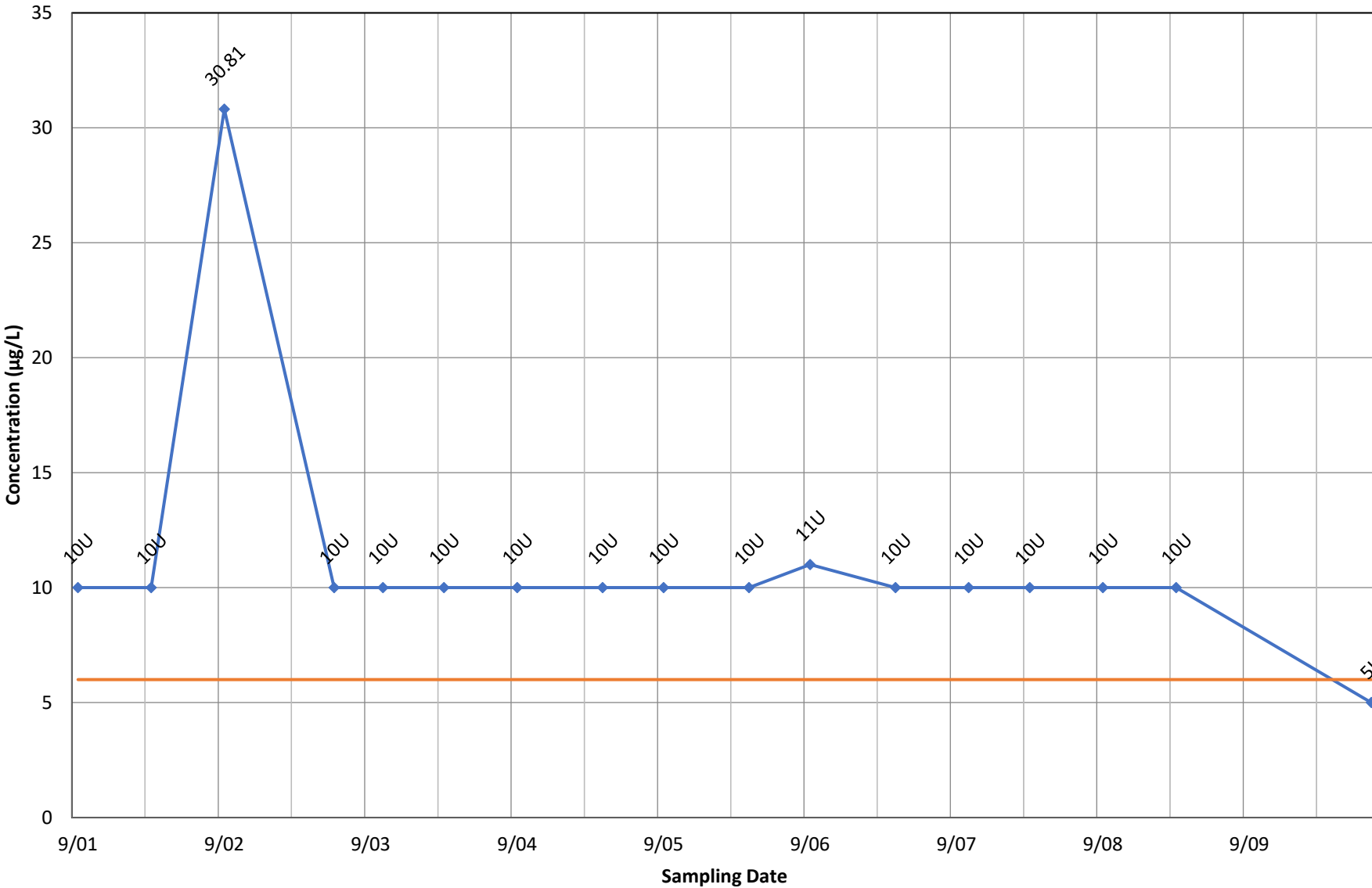


◆ Concentration    — Current MCL

# Monitoring Well ST065 - 1,2-Dibromo-3-chloropropane

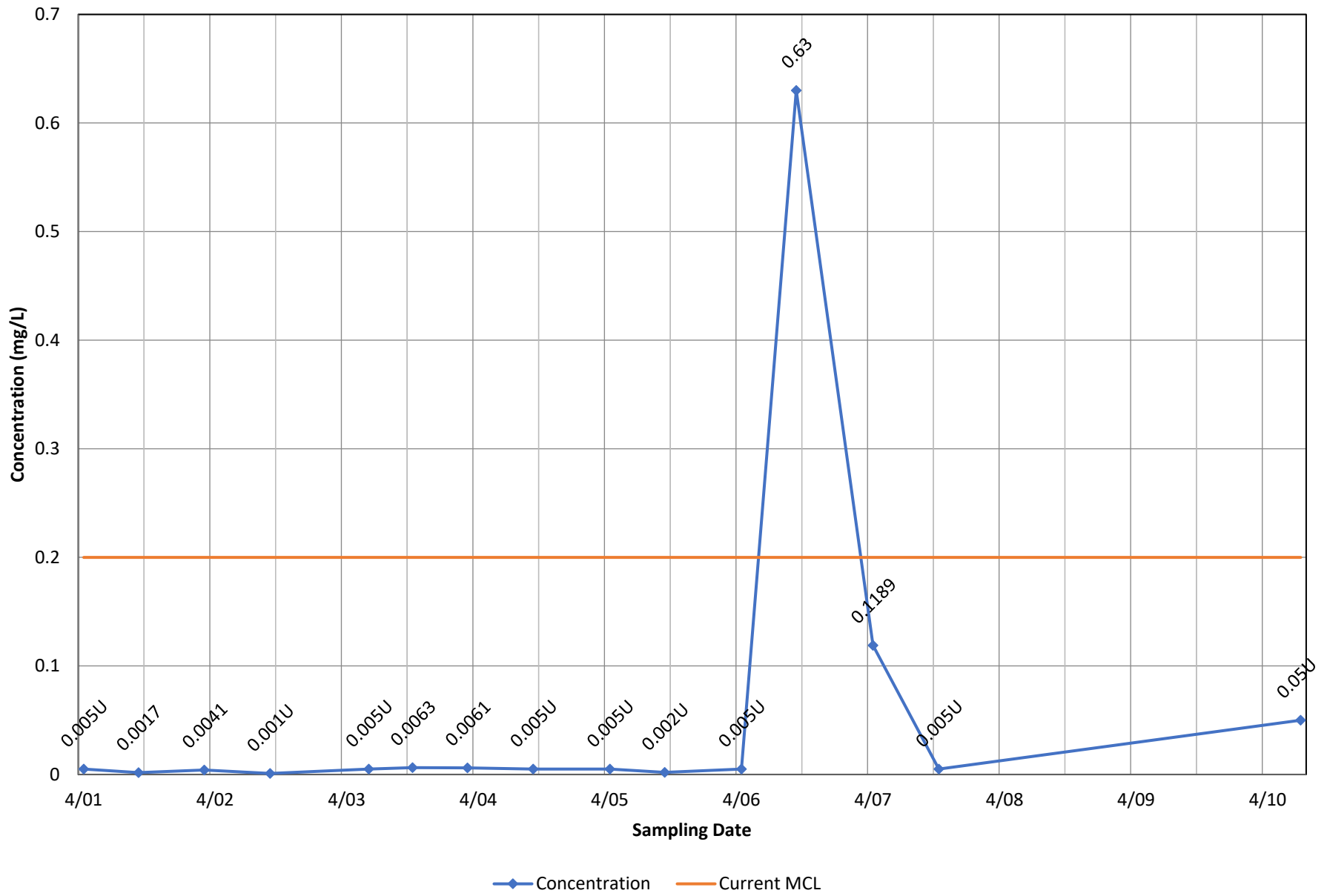


### Monitoring Well ST065 - Bis(2-Ethylhexyl) Phthalate

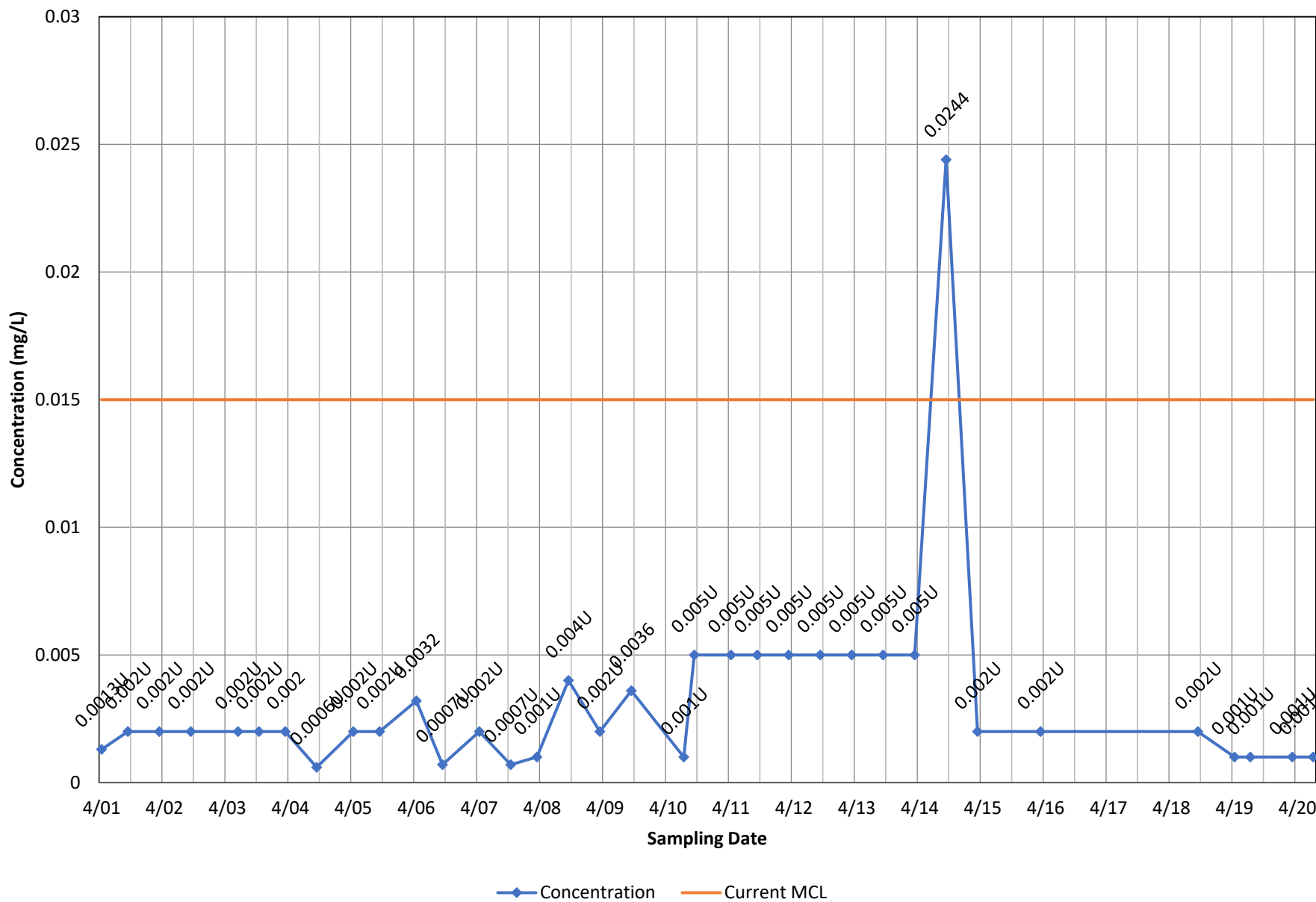


◆ Concentration    — Current MCL

### Monitoring Well ST065 - Cyanide, Total

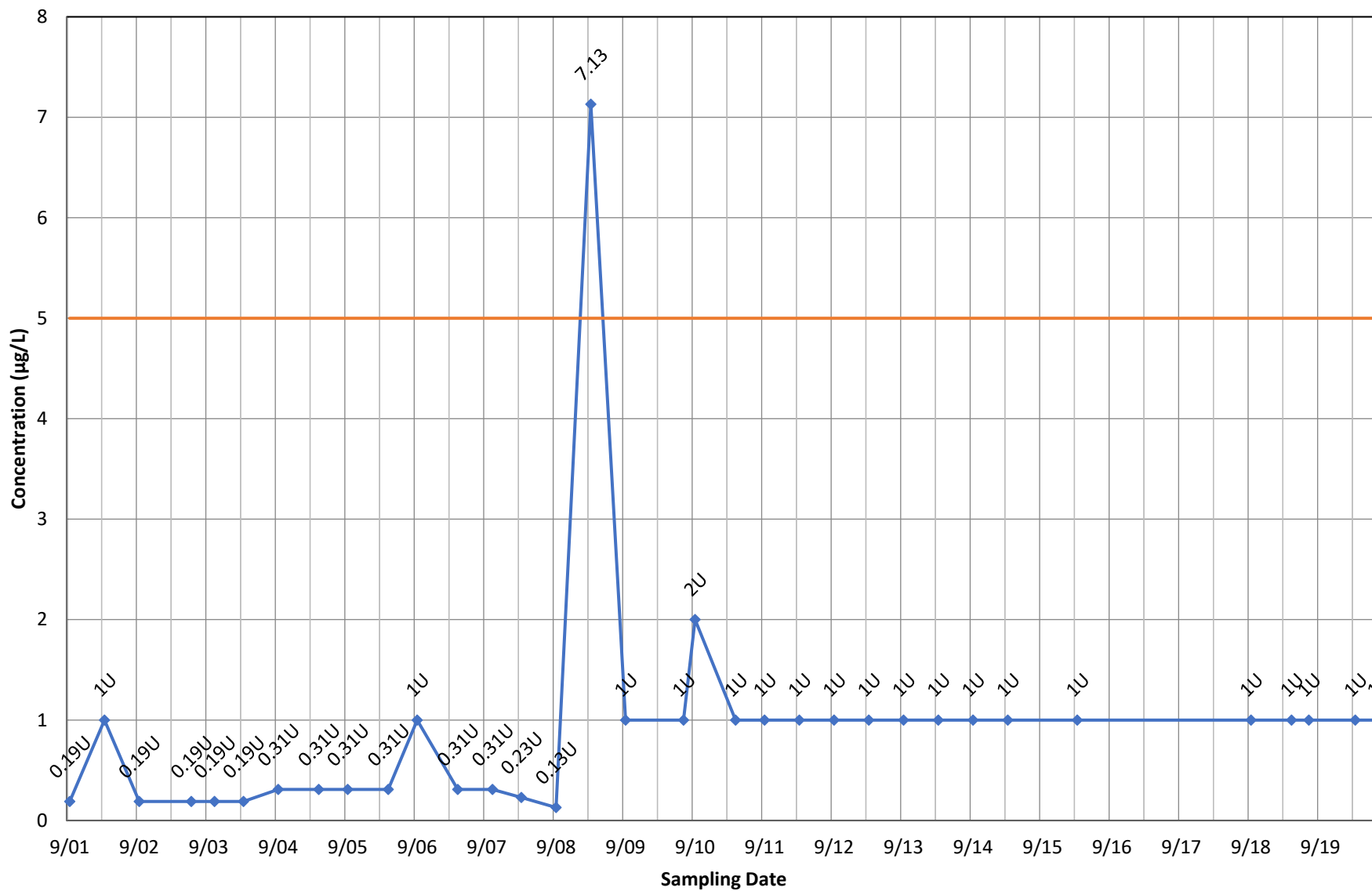


### Monitoring Well ST065 - Lead, total



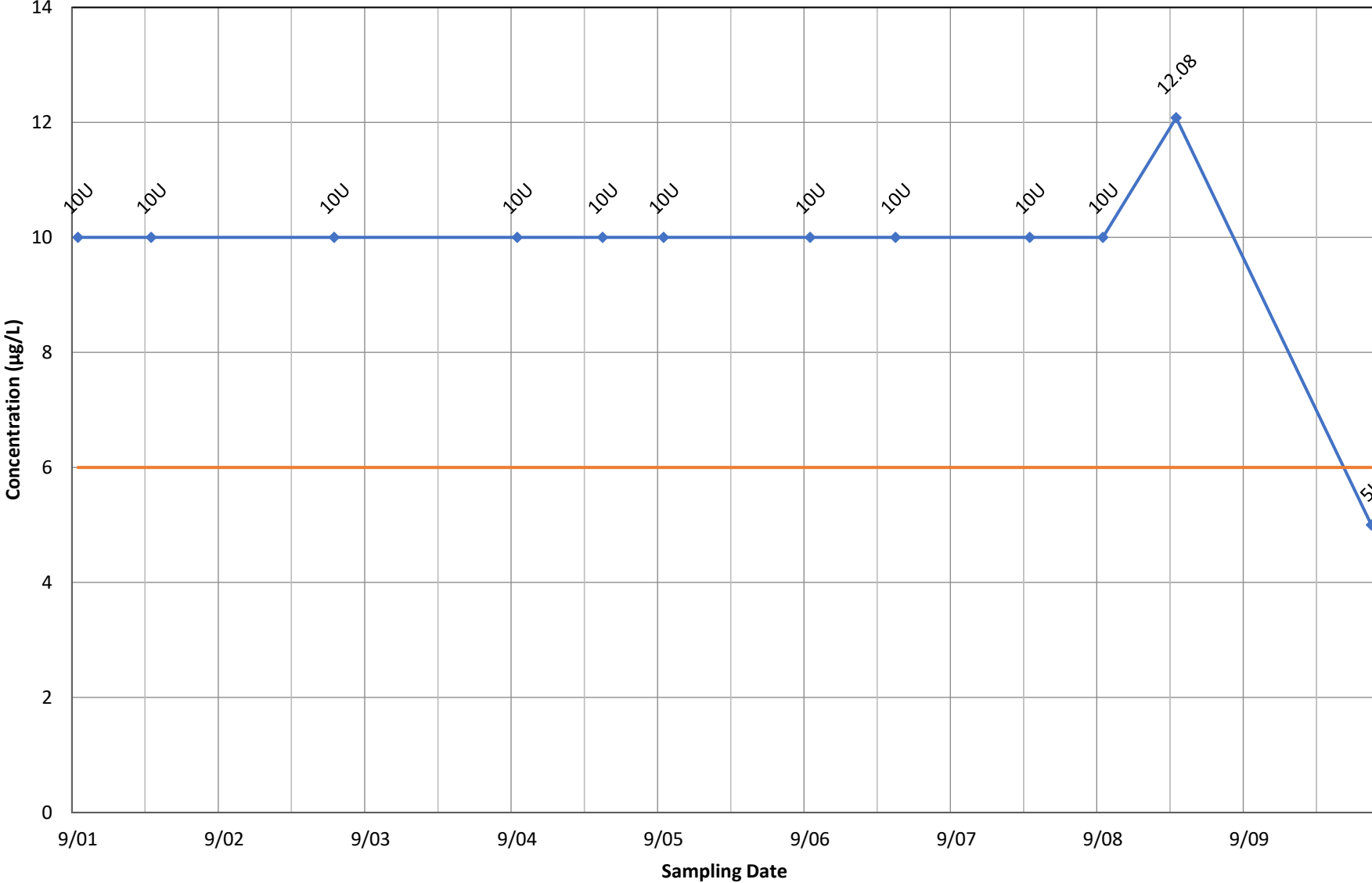


### Monitoring Well ST065 - Trichloroethene



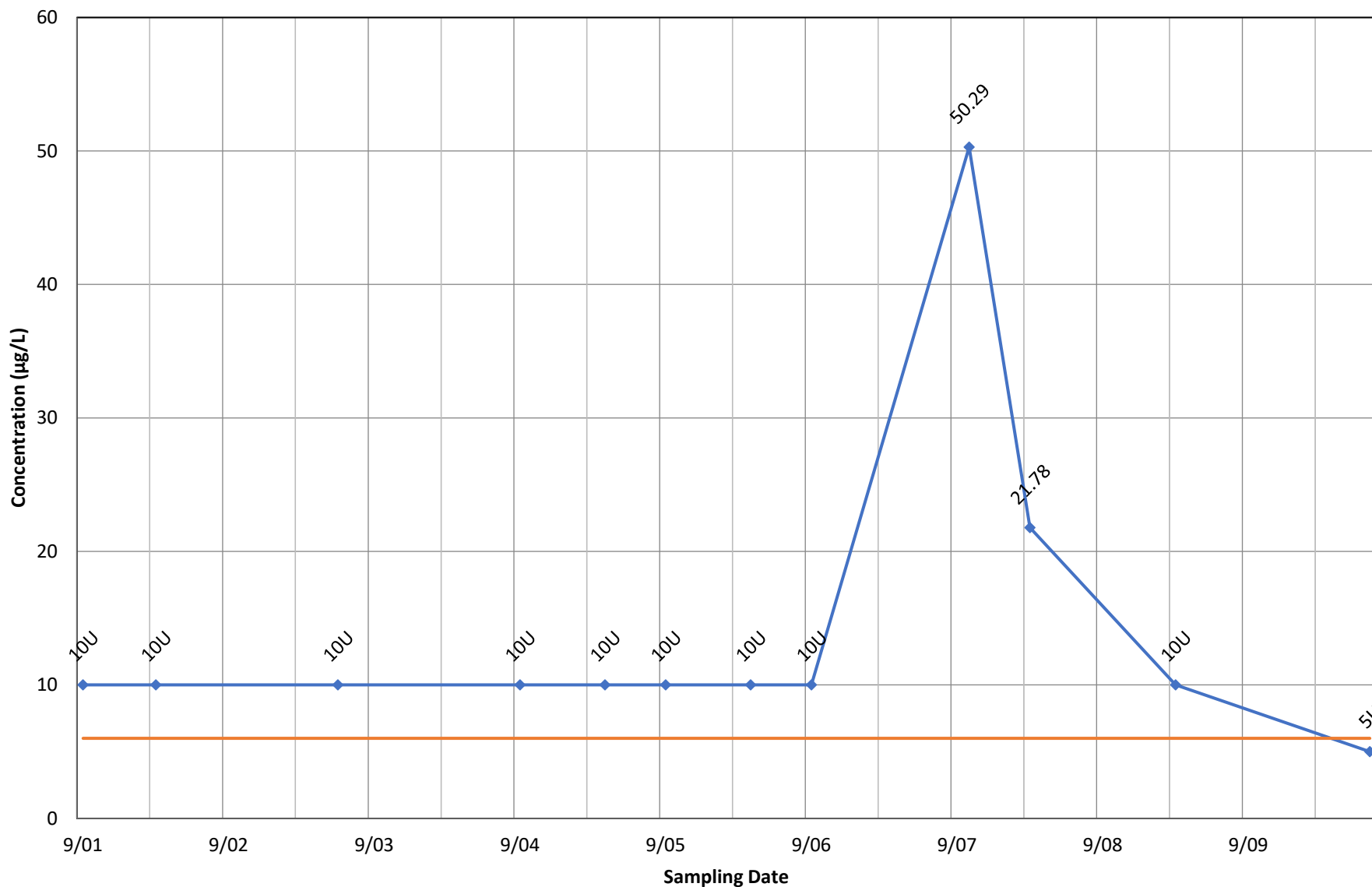
◆ Concentration    — Current MCL

### Monitoring Well ST120 - Bis(2-Ethylhexyl) Phthalate



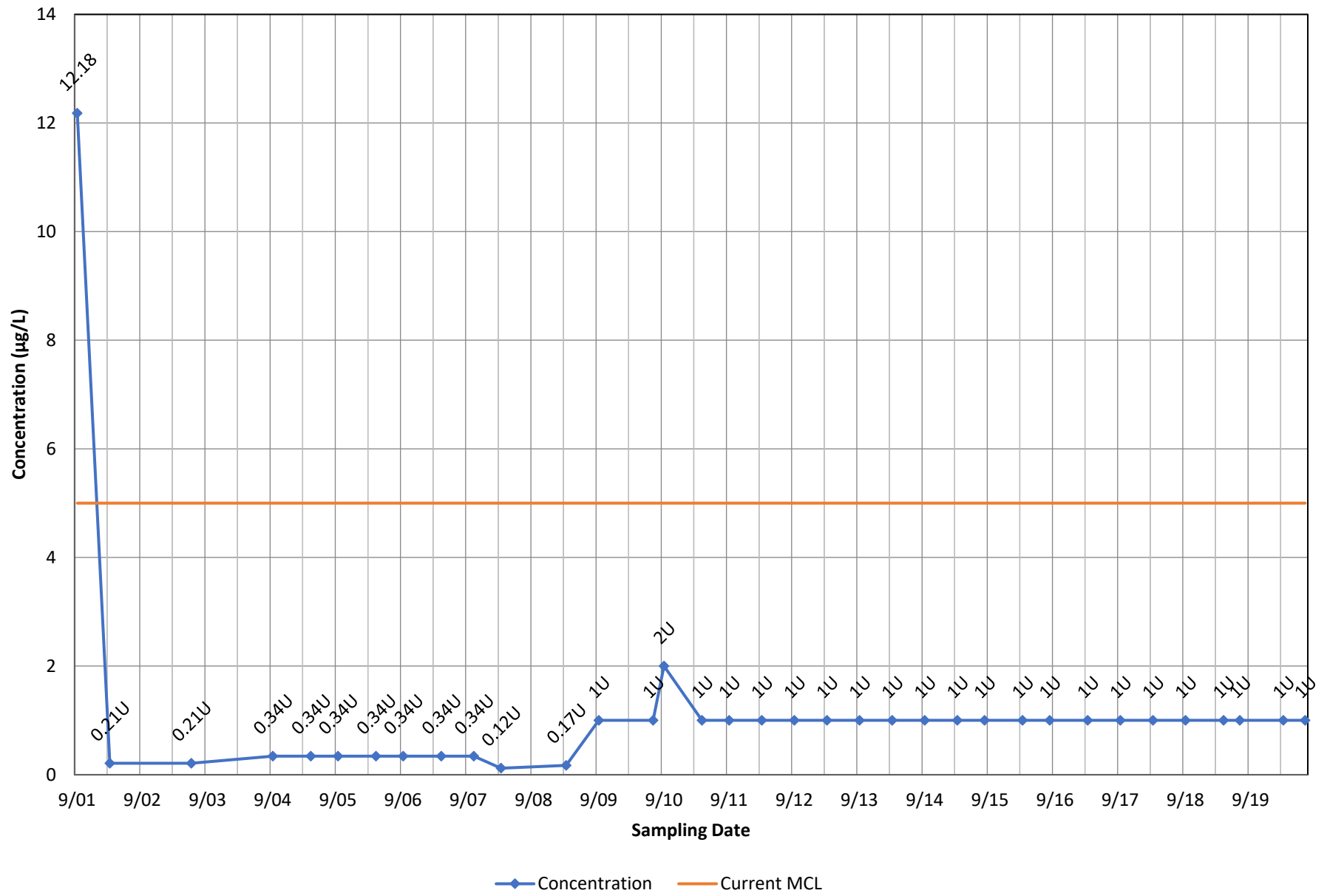
◆ Concentration    — Current MCL

### Monitoring Well ST70 - Bis(2-Ethylhexyl) Phthalate

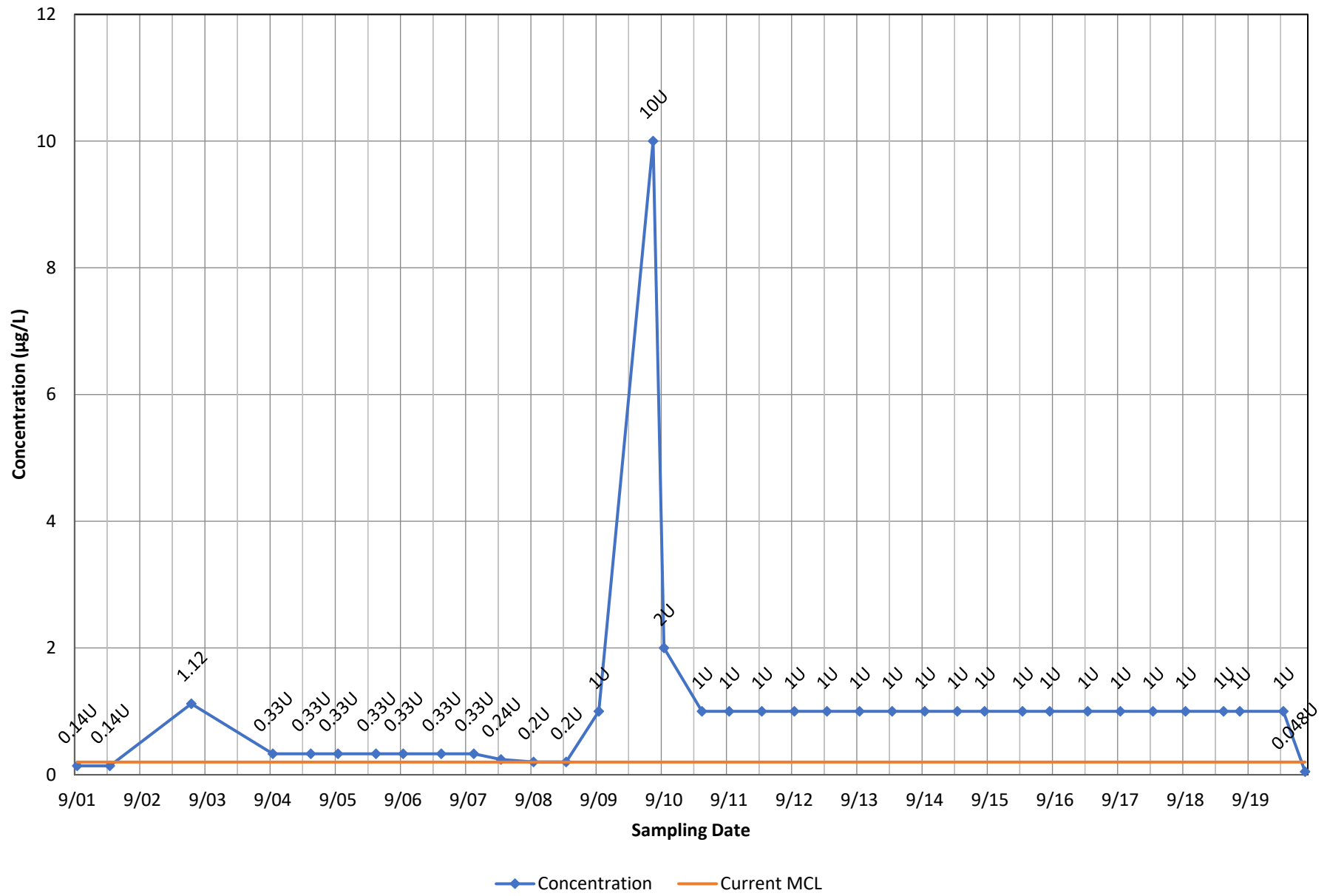


◆ Concentration    — Current MCL

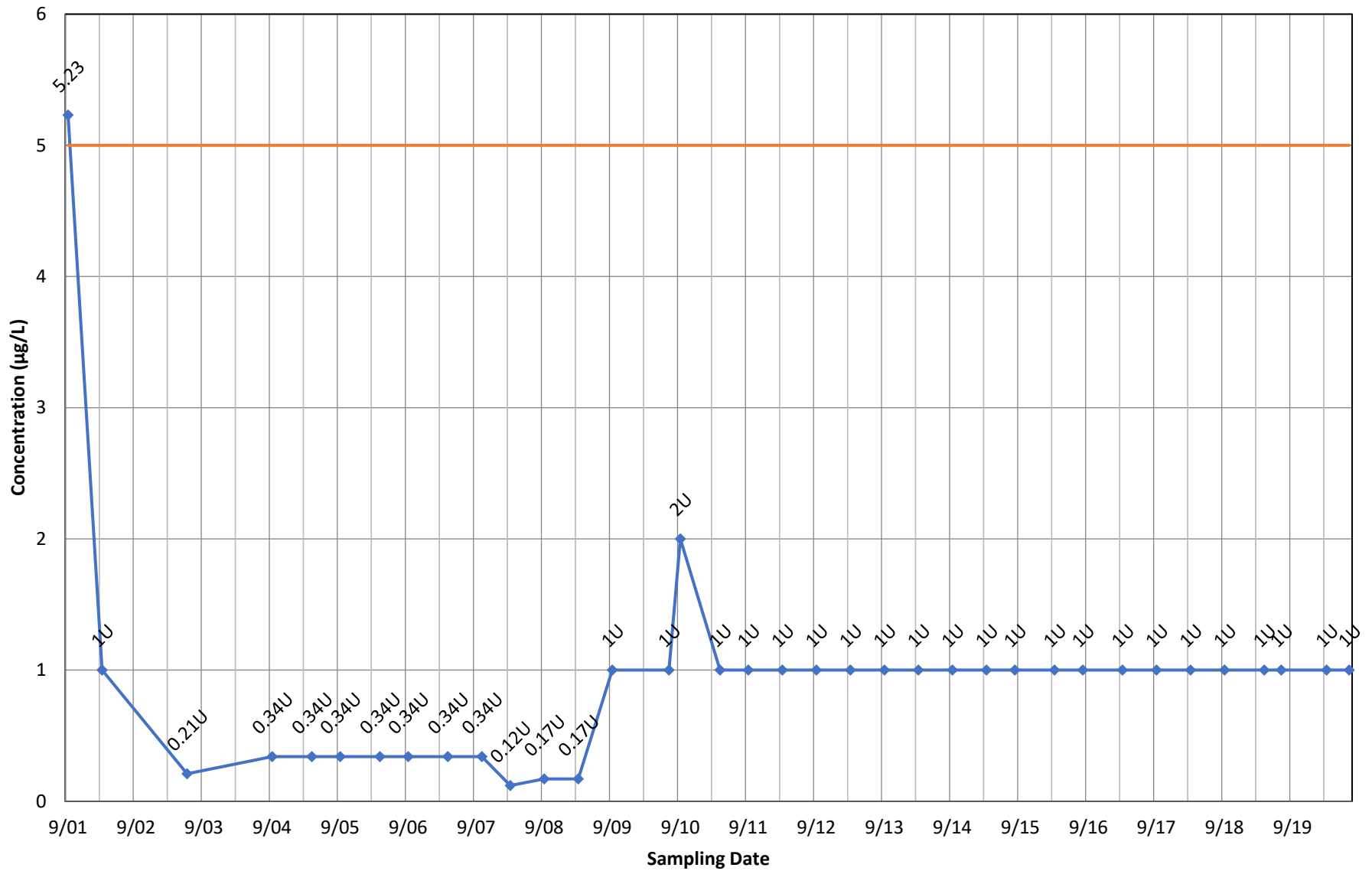
# Monitoring Well ST70 - Methylene Chloride



# Monitoring Well ST80 - 1,2-Dibromo-3-chloropropane



# Monitoring Well ST80 - Methylene Chloride



◆ Concentration    — Current MCL

**Appendix E**  
**Historical Data Tables**

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**Gude Landfill**  
**Monitoring Location MW-1B - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.007	0.005 U	0.005 U	7.9	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	4.1	0.007	0.0002 U
9/12/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.006	0.005 U	0.005 U	9.0	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	5.0	--	0.0002 U
9/18/12	0.005 U	0.005 U	0.010	0.005 U	0.005 U	10.1	0.01 U	0.01 U	0.005 U	0.3	0.005 U	5.5	0.157	0.0002 U
4/1/13	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	9.0	0.01 U	0.01 U	0.012	0.2 U	0.005 U	4.7	0.008	0.0002 U
9/23/13	0.005 U	0.005 U	0.007	0.005 U	0.005 U	8.4	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.6	0.005	0.0002 U
3/24/14	0.005 U	0.005 U	0.006	0.005 U	0.005 U	8.1	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	5.0	0.005 U	0.0002 U
9/3/14	0.005 U	0.005 U	0.006	0.005 U	0.005 U	7.5	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.0	0.005 U	0.0002 U
3/17/15	0.002 U	0.002 U	0.010 U	0.002 U	0.004 U	5.9	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	3.7	0.005 U	0.0002 U
9/2/15	0.001 U	0.001 U	0.005 U	0.001 U	0.001 U	6.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	3.6	0.008 U	0.0002 U
3/22/16	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	6.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	3.5	0.002 U	0.0044
9/6/16	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	6.4	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	3.9	0.002 U	0.0002 U
3/9/17	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	6.9	0.00 U	0.00 U	0.003	0.2 U	0.002 U	4.0	0.006	0.0002 U
9/11/17	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	7.4	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	4.3	0.002 U	0.0002 U
4/5/18	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	7.9	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	4.7	0.002 U	0.0002 U
9/11/18	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	7.9	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	4.7	0.007	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-1B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01 U	1.0	0.005 U	0.01 U	8.2	0.005 U	0.01 U	0.005 U
9/12/11	0.01	--	--	--	--	--	--	--
3/12/12	0.01	1.1	0.005 U	0.01 U	9.1	0.005 U	0.01 U	0.007
9/18/12	0.27	1.5	0.005 U	0.01 U	9.6	0.005 U	0.01 U	0.033
4/1/13	0.01	1.4	0.005 U	0.01 U	12.3	0.005 U	0.01 U	0.005 J
9/23/13	0.01	1.1	0.005 U	0.01 U	7.8	0.005 U	0.01 U	0.005
3/24/14	0.01 U	1.1	0.005 U	0.01 U	8.9	0.005 U	0.01 U	0.006
9/3/14	0.01 U	1.0	0.005 U	0.01 U	7.5	0.005 U	0.01 U	0.008
3/17/15	0.01 U	0.9	0.035 U	0.01 U	7.1	0.002 U	0.01 U	0.010 U
9/2/15	0.01 U	1.0	0.005 U	0.00 U	7.6	0.001 U	0.01 U	0.005 U
3/22/16	0.00 U	0.9	0.002 U	0.00 U	6.7	0.001 U	0.00 U	0.002 U
9/6/16	0.00 U	0.9	0.002 U	0.00 U	7.3	0.001 U	0.00 U	0.002 U
3/9/17	0.00 U	1.0	0.002 U	0.00 U	7.5	0.001 U	0.00 U	0.002
9/11/17	0.00 U	1.0	0.002 U	0.00 U	7.6	0.001 U	0.00 U	0.002
4/5/18	0.00 U	1.1	0.002 U	0.00 U	8.1	0.001 U	0.00 U	0.002 U
9/11/18	0.00 U	1.1	0.002 U	0.00 U	7.5	0.001 U	0.00 U	0.002 U

**Gude Landfill**  
**Monitoring Location MW-1B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/30/10	48.0	0.20 U	10.0 U	2.5000 U	--	--	30.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/19/11	49.0	0.20 U	6.5	2.5000 U	--	--	36.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/12/11	49.0	0.20 U	10.0 U	2.5000 U	--	--	33.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/12/12	58.0	0.20 U	10.0 U	2.7500	--	--	60.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/18/12	52.0	0.20 U	10.0 U	3.3300	--	--	80.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/1/13	49.0	0.20 U	10.0 U	3.2400	--	7	36.0	0.2000 U	0 U	0.05 U	450	6.21	--	113	--
9/23/13	49.0	0.20 U	10.0 U	3.2700	--	8	40.0	0.2000 U	0 U	0.05 U	376	6.10	--	96	--
3/24/14	47.0	0.20 U	10.0 U	3.9600	--	8	50.0	0.2000 U	--	--	401	6.12	--	86	--
9/3/14	43.0	0.20 U	10.0 U	2.6000	--	8	42.0	0.2000 U	0 U	0.05 U	380	6.35	--	78	--
3/17/15	45.0	0.20 U	10.0 U	3.6600	--	0	40.0	0.2000 U	0 U	0.05 U	350	6.52	--	71	--
9/2/15	46.0	0.20 U	10.0 U	2.5000 U	--	8	42.0	0.2000 U	0 U	0.05 U	321	5.96	--	80	--
3/22/16	44.0	0.20 U	10.0 U	2.5000 U	--	0	32.0	0.2000 U	0 U	0.05 U	354	6.07	--	44	--
9/6/16	53.0	0.20 U	10.0 U	2.7100	--	8	68.0	0.2000 U	0 U	0.05 U	346	5.92	--	89	--
3/9/17	47.0	0.20 U	10.0 U	2.8200	--	--	42.0	0.2000 U	0 U	0.05 U	365	6.02	--	89	--
9/11/17	68.0	0.20 U	10.0 U	3.0400	--	7	92.0	0.2000 U	0 U	0.05 U	472	6.25	--	93	--
4/5/18	49.8	0.20 U	10.0 U	3.5300	--	--	43.2	0.2220	0	0.05 U	253	6.14	--	94	--
9/11/18	49.5	0.20 U	10.0 U	3.1100	--	--	39.7	0.2050	0	0.05 U	225	5.82	--	101	--
4/19/19	43.7	0.10 U	3.0 U	2.7000	--	8	29.7	0.2000 U	--	--	210	6.13	5.48	110	89

**Gude Landfill**  
**Monitoring Location MW-1B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/9/19	43.4	0.10 U	3.0 U	2.5000	--	9	28.1	0.2000 U	--	--	199	5.79	6.30	0	89
3/4/20	45.1	0.10 U	3.0 U	2.6000	--	8	29.5	0.1500 J	--	--	232	5.99	6.58	92	93
7/30/20	39.2	0.11	4.8	2.6000	--	8	31.2	0.1500 J	--	--	150	5.99	6.47	101	87

**Gude Landfill**  
**Monitoring Location MW-1B - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/28/10	--	3.0 U	--	--	--	--	--
9/30/10	4.0 U	--	--	440	--	28.2	--
4/19/11	4.0 U	--	--	92	--	39.4	--
9/12/11	4.0 U	--	--	80	--	--	--
3/12/12	4.0 U	--	--	92	--	--	--
9/18/12	4.0 U	--	--	92	--	--	--
4/1/13	4.0 U	--	16.4	136	--	--	47.7
9/23/13	4.0 U	--	16.4	90	--	--	33.9
3/24/14	4.0 U	--	15.8	67	--	--	12.3
9/3/14	4.0 U	--	16.8	70	--	--	37.5
3/17/15	4.0 U	--	19.2	98	--	--	1.2
9/2/15	4.0 U	--	19.1	1 U	--	--	2.9
3/22/16	4.0 U	--	17.0	172	--	--	2.2
9/6/16	4.0 U	--	21.2	74	--	--	34.5
3/9/17	4.0 U	--	22.0	10 U	--	--	8.6
9/11/17	4.0 U	--	15.5	74	--	--	0.5
4/5/18	4.0 U	--	9.6	91	--	--	11.1
9/11/18	4.0 U	--	17.4	59	--	--	13.8
4/19/19	1.0 U	--	16.5	106	22.9	4.8	6.8

**Gude Landfill**  
**Monitoring Location MW-1B - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/9/19	1.0 U	--	16.9	69	5.8	1.3	0.7
3/4/20	1.0 U	--	18.9	76	5.2	1.9	36.1
7/30/20	1.0 U	--	18.8	75	27.9	6.2	22.1

**Gude Landfill**  
**Monitoring Location MW-1B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/28/10	0.0010 U	0.0010	0.0062	0.0010 U	0.0010 U	--	0.0190	0.0024	0.0095	--	0.0017	--
9/30/10	0.0050 U	0.0050 U	0.0057	0.0050 U	0.0050 U	6.8	0.0055	0.0050 U	0.0086	1.2	0.0050 U	3.720
4/19/11	0.0050 U	0.0050 U	0.0081	0.0050 U	0.0050 U	8.2	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	4.580
9/12/11	0.0050 U	0.0050 U	0.0089	0.0050 U	0.0050 U	6.9	0.0050	0.0050 U	0.0080	1.6	0.0055	4.340
3/12/12	0.0050 U	0.0050 U	0.0084	0.0050 U	0.0050 U	8.8	0.0085	0.0050 U	0.0104	2.2	0.0050 U	5.740
9/18/12	0.0050 U	0.0050 U	0.0338	0.0100 U	0.0050 U	10.4	0.2330	0.0205	0.0802	17.6	0.0117	11.600
4/1/13	0.0050 U	0.0050 U	0.0061	0.0050 U	0.0050 U	9.1	0.0052	0.0050 U	0.0159	1.3	0.0050 U	5.420
9/23/13	0.0050 U	0.0050 U	0.0085	0.0050 U	0.0050 U	8.3	0.0071	0.0050 U	0.0057	0.6	0.0050 U	4.560
3/24/14	0.0050 U	0.0050 U	0.0070	0.0050 U	0.0050 U	7.8	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	4.630
9/3/14	0.0050 U	0.0050 U	0.0085	0.0050 U	0.0050 U	7.7	0.0050 U	0.0050 U	0.0053	1.0	0.0050 U	4.360
3/17/15	0.0020 U	0.0020 U	0.0100 U	0.0020 U	0.0040 U	6.0	0.0100 U	0.0100 U	0.0025 J	0.9	0.0020 U	4.100
9/2/15	0.0010 U	0.0010 U	0.0050 U	0.0010 U	0.0005 U	5.9	0.0050 U	0.0050 U	0.0050 U	0.4	0.0010 U	3.700
3/22/16	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	6.1	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	3.540
9/6/16	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	6.6	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	3.940
3/9/17	0.0050 U	0.0050 U	0.0073	0.0050 U	0.0050 U	9.2	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	4.950
9/11/17	0.0050 U	0.0050 U	0.0057	0.0050 U	0.0050 U	9.0	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	4.910
4/5/18	0.0050 U	0.0050 U	0.0061	0.0050 U	0.0050 U	9.0	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	5.040
9/11/18	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	8.0	0.0050 U	0.0050 U	0.0050 U	0.1	0.0050 U	4.820
4/19/19	0.0010 U	0.0010 U	0.0018	0.0010 U	0.0010 U	5.3	0.0012	0.0010 U	0.0028	0.4	0.0010 U	4.020
8/9/19	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	5.0	0.0051	0.0010 U	0.0010 U	0.1	0.0010 U	3.800
3/4/20	0.0010 U	0.0010 U	0.0016	0.0010 U	0.0010 U	5.5	0.0030	0.0010 U	0.0010 U	0.1	0.0010 U	3.820
7/30/20	0.0010 U	0.0010 U	0.0032	0.0010 U	0.0010 U	5.5	0.0123	0.0010 U	0.0024	0.8	0.0010 U	4.260

**Gude Landfill**  
**Monitoring Location MW-1B - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/28/10	--	0.0002 U	0.0140	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0059	0.0260
9/30/10	0.038	0.0002 U	0.0055	1.25	0.0050 U	0.0050 U	10.2	0.0050 U	--	0.0050 U	0.0102
4/19/11	0.050	0.0002 U	0.0050 U	1.15	0.0050 U	0.0050 U	8.4	0.0050 U	--	0.0050 U	0.0069
9/12/11	0.044	0.0002 U	--	1.47	0.0050 U	0.0050 U	6.8	0.0050 U	--	0.0050 U	0.0145
3/12/12	0.054	0.0002 U	0.0050 U	1.36	0.0050 U	0.0050 U	8.9	0.0050 U	--	0.0050 U	0.0179
9/18/12	0.516	0.0002 U	0.0716	3.47	0.0050 U	0.0050 U	8.6	0.0050 U	--	0.0220	0.1090
4/1/13	0.044	0.0002 U	0.0050 U	1.53	0.0050 U	0.0050 U	12.8	0.0050 U	--	0.0050 U	0.0120
9/23/13	0.019	0.0002 U	0.0050 U	1.06	0.0050 U	0.0050 U	7.4	0.0050 U	--	0.0050 U	0.0072
3/24/14	0.019	0.0002 U	0.0050 U	1.06	0.0050 U	0.0050 U	8.0	0.0050 U	--	0.0050 U	0.0063
9/3/14	0.028	0.0002 U	0.0051	1.14	0.0050 U	0.0050 U	7.3	0.0050 U	--	0.0050 U	0.0143
3/17/15	0.022	0.0002 U	0.0110 U	1.00	0.0350 U	0.0100 U	7.2	0.0020 U	--	0.0100 U	0.0068 J
9/2/15	0.010 U	0.0002 U	0.0100 U	1.10	0.0050 U	0.0010 U	7.5	0.0010 U	--	0.0050 U	0.0050 U
3/22/16	0.002 U	0.0002 U	0.0020 U	0.90	0.0020 U	0.0020 U	6.7	0.0010 U	--	0.0020 U	0.0020 U
9/6/16	0.006	0.0002 U	0.0020 U	0.97	0.0020 U	0.0020 U	7.4	0.0010 U	--	0.0020 U	0.0020 U
3/9/17	0.009	0.0002 U	0.0050 U	1.15	0.0050 U	0.0050 U	8.5	0.0050 U	--	0.0050 U	0.0050 U
9/11/17	0.009	0.0002 U	0.0050 U	1.12	0.0050 U	0.0050 U	8.6	0.0050 U	--	0.0050 U	0.0307
4/5/18	0.012	0.0002 U	0.0050 U	1.17	0.0050 U	0.0050 U	8.4	0.0050 U	--	0.0050 U	0.0238
9/11/18	0.005 U	0.0002 U	0.0050 U	1.13	0.0050 U	0.0050 U	8.3	0.0050 U	--	0.0050 U	0.0050 U
4/19/19	0.012	0.0001 U	0.0011	1.08	0.0010 U	0.0010 U	7.6	0.0010 U	--	0.0011	0.0065
8/9/19	0.003	0.0001 U	0.0036 B	0.95	0.0010 U	0.0010 U	7.4	0.0010 U	--	0.0010 U	0.0040 U
3/4/20	0.004	0.0001 U	0.0020	1.04	0.0010 U	0.0010 U	7.5	0.0010 U	--	0.0010 U	0.0040 U
7/30/20	0.019	0.0001 U	0.0072	1.15	0.0010 U	0.0010 U	8.0	0.0010 U	--	0.0018	0.0047



Gude Landfill

Printed 10/24/20

Monitoring Location MW-1B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-1B - Volatile Organic Compounds

7/30/20	1,1,1,2-Tetrachloroethane (ug/L)	1.00 U	1,1,1-Trichloroethane (ug/L)	1.00 U	1,1,2,2-Tetrachloroethane (ug/L)	1.00 U	1,1,2-Trichloroethane (ug/L)	1.00 U	1,1-Dichloroethane (ug/L)	1.00 U	1,1-Dichloroethene (ug/L)	1.00 U	1,1-Dichloropropene (ug/L)	1.00 U	1,2,3-Trichlorobenzene (ug/L)	--	1,2,3-Trichloropropane (ug/L)	1.00 U	1,2,4-Trimethylbenzene (ug/L)	--	1,2-Dibromo-3-chloropropane (ug/L)	0.05 U	1,2-Dibromoethane (ug/L)	0.02 U	1,2-Dichlorobenzene (ug/L)	1.0 U	1,2-Dichloroethane (ug/L)	1.00 U	1,2-Dichloropropane (ug/L)	1.00 U
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Gude Landfill

Printed 10/24/20

Monitoring Location MW-1B - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/28/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	10.00	--	5 U	--	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/19/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/9/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/4/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location MW-1B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
7/30/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-1B - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-1B - Volatile Organic Compounds**

Printed 10/24/20

7/30/20	Bromodichloromethane (ug/L)	1.00 U	Bromoform (ug/L)	1.00 U	Bromomethane (ug/L)	1.00 U	Carbon Disulfide (ug/L)	1.00 U	Carbon Tetrachloride (ug/L)	1.00 U	Chlorobenzene (ug/L)	1.00 U	Chloroethane (ug/L)	1.0 U	Chloroform (ug/L)	1.00 U	Chloromethane (ug/L)	1.00 U	Chloroprene (ug/L)	1 U	cis-1,2-Dichloroethene (ug/L)	1.00 U	cis-1,3-Dichloropropene (ug/L)	1.00 U	Dibromochloromethane (ug/L)	1.00 U	Dichlorodifluoromethane (ug/L)	--	Ethyl Methacrylate (ug/L)	5 U	Ethylbenzene (ug/L)	1.00 U
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**Gude Landfill**  
**Monitoring Location MW-1B - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/12/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/18/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/19/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/9/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/4/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-1B - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
7/30/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--



Gude Landfill

Printed 10/24/20

Monitoring Location MW-1B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

# Gude Landfill

Printed 10/24/20

## Monitoring Location MW-1B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-2A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.013	0.005 U	0.005 U	7.2	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	3.1	0.104	0.0002 U
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/11/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/11/13	0.005 U	0.005 U	0.016	0.005 U	0.005 U	10.5	0.01 U	0.01 U	0.006	0.5	0.005 U	4.4	0.234	0.0002 U
9/2/14	0.005 U	0.005 U	0.026	0.005 U	0.005 U	5.7	0.01 U	0.01	0.005 U	0.2 U	0.005 U	3.2	0.401	0.0002 U
3/17/15	0.002 U	0.002 U	0.011	0.002 U	0.004 U	5.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	2.9	0.180	0.0002 U
9/3/15	0.001 U	0.001 U	0.011	0.001 U	0.001 U	4.9	0.01 U	0.00 J	0.003 J	0.1	0.001 U	2.9	0.300	0.0002 U
3/17/16	0.002 U	0.002 U	0.010	0.002 U	0.002 U	6.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	3.3	0.041	0.0002 U
8/31/16	0.002 U	0.002 U	0.010	0.002 U	0.002 U	9.0	0.00 U	0.00 U	0.005	0.2 U	0.002 U	4.6	0.034	0.0002 U
3/7/17	0.002 U	0.002 U	0.014	0.002 U	0.002 U	8.5	0.00	0.00 U	0.005	0.3	0.002 U	3.7	0.193	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-2A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01	1.7	0.005 U	0.01 U	6.7	0.005 U	0.01 U	0.015
9/7/11	0.01	--	--	--	--	--	--	--
3/6/12	0.03	--	--	--	--	--	--	--
9/11/12	0.03	--	--	--	--	--	--	--
9/11/13	0.03	2.0	0.005 U	0.01 U	7.5	0.005 U	0.01 U	0.031
9/2/14	0.01 U	1.6	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.028
3/17/15	0.01 U	1.6	0.035 U	0.01 U	4.7	0.002 U	0.01 U	0.006 U
9/3/15	0.04	1.7	0.005 U	0.00 U	4.6	0.001 U	0.01 U	0.013
3/17/16	0.00 U	1.5	0.002 U	0.00 U	6.2	0.001 U	0.00 U	0.003
8/31/16	0.00	2.1	0.002 U	0.00 U	8.6	0.001 U	0.00 U	0.010
3/7/17	0.01	1.7	0.002 U	0.00 U	6.6	0.001 U	0.00 U	0.030

**Gude Landfill**  
**Monitoring Location MW-2A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/27/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/30/10	30.0	0.20 U	10.0 U	2.5000 U	--	--	19.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/19/11	40.0	0.20 U	7.5	2.7400	--	--	25.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/7/11	35.0	0.20 U	10.0 U	2.6900	--	--	22.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/6/12	46.0	0.20 U	10.0 U	2.6500	--	--	32.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/11/12	54.0	0.20 U	10.0 U	2.6300	--	--	32.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/11/13	56.0	0.20 U	10.0 U	5.7600	--	1	48.0	0.2000 U	0 U	0.05 U	270	5.31	--	104	--
3/24/14	49.0	0.20 U	10.0 U	3.3900	--	--	46.0	0.2000 U	--	--	--	--	--	--	--
9/2/14	28.0	0.20 U	10.0 U	3.7300	--	4	30.0	0.2000 J	0	0.05 U	--	6.56	--	56	--
3/17/15	30.0	0.20 U	10.0 U	2.6900	--	3	34.0	0.2000 U	0	0.05 U	349	5.72	--	54	--
9/3/15	34.0	0.20 U	10.0 U	3.4600	--	4	130.0	0.2000 U	0 U	0.05 U	340	5.17	--	63	--
3/17/16	39.0	0.20 U	10.0 U	4.7700	--	3	100.0	0.2000 U	0 U	0.05 U	389	5.43	--	86	--
8/31/16	51.0	0.20 U	10.0 U	3.3200	--	5	40.0	0.2000 U	0 U	0.05 U	412	5.44	--	72	--
3/7/17	65.0	0.20 U	10.0 U	4.3100	--	7	40.0	0.2000 U	0 U	0.05 U	332	5.65	--	84	--
9/11/17	--	--	--	--	--	6	--	--	--	--	333	6.01	--	110	--
4/15/19	19.5	0.10 U	5.0	2.9000	--	8	14.9	0.2000 U	--	--	182	5.37	5.65	66	55
8/5/19	19.0	0.37	3.0 U	2.5000	--	8	16.9	0.2000 U	--	--	285	4.28	5.49	0	48
3/2/20	20.8	0.10 U	3.0 U	2.4000	--	6	16.1	0.3500	--	--	302	5.17	5.65	53	53
7/30/20	14.6	0.10 U	3.6	3.2000	--	3	17.8	0.2000 U	--	--	262	5.17	5.51	59	54

**Gude Landfill**  
**Monitoring Location MW-2A - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
	MCL/ GWPS						
7/27/10	--	3.0 U	--	--	--	--	--
9/30/10	4.0 U	--	--	465	--	58.9	--
4/19/11	4.0 U	--	--	112	--	117.6	--
9/7/11	4.0 U	--	--	108	--	--	--
3/6/12	4.0 U	--	--	84	--	--	--
9/11/12	4.0 U	--	--	100	--	--	--
9/11/13	4.0 U	--	16.4	4	--	--	11.3
3/24/14	4.0 U	--	--	70	--	--	--
9/2/14	4.0 U	--	19.7	84	--	--	--
3/17/15	4.0 U	--	16.9	72	--	--	2.7
9/3/15	4.0 U	--	19.1	1 U	--	--	65.5
3/17/16	4.0 U	--	15.6	215	--	--	0.9
8/31/16	4.0 U	--	18.9	65	--	--	0.0
3/7/17	4.0 U	--	12.7	120	--	--	4.6
9/11/17	--	--	15.4	--	--	--	1016.0
4/15/19	1.9	--	15.6	17	5.3	7.0	9.8
8/5/19	1.0 U	--	16.5	45	109.0	104.0	115.8
3/2/20	0.6 J	--	17.3	43	2.5 U	0.5 U	38.0
7/30/20	0.6 J	--	18.9	53	16.2	3.6	119.3

**Gude Landfill**  
**Monitoring Location MW-2A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
7/27/10	0.0010 U	0.0022	0.0310	0.0010 U	0.0010 U	--	0.0210	0.0079	0.0160	--	0.0068	--	--
9/30/10	0.0050 U	0.0050 U	0.0155	0.0050 U	0.0050 U	4.9	0.0084	0.0050 U	0.0080	1.4	0.0050 U	2.150	0.120
4/19/11	0.0050 U	0.0050 U	0.0299	0.0050 U	0.0050 U	7.8	0.0085	0.0050 U	0.0118	3.1	0.0055	3.750	0.173
9/7/11	0.0050 U	0.0050 U	0.0206	0.0050 U	0.0050 U	8.9	0.0050 U	0.0050 U	0.0069	0.7	0.0050 U	3.250	0.204
3/6/12	0.0050 U	0.0050 U	0.0209	0.0050 U	0.0050 U	10.5	0.0404	0.0140	0.0280	1.3	0.0050 U	3.590	0.148
9/11/12	0.0050 U	0.0050 U	0.0181	0.0050 U	0.0050 U	11.1	0.0220	0.0050 U	0.0163	0.7	0.0050 U	4.810	0.151
9/11/13	0.0050 U	0.0050 U	0.0172	0.0050 U	0.0050 U	13.2	0.0050 U	0.0052	0.0106	1.5	0.0050 U	5.720	0.602
3/24/14	0.0050 U	0.0050 U	0.0247	0.0050 U	0.0050 U	10.2	0.0184	0.0050 U	0.0543	2.2	0.0050 U	4.580	0.420
9/2/14	0.0050 U	0.0050 U	0.1420	0.0050 U	0.0050 U	6.3	0.0355	0.0174	0.0411	17.3	0.0221	6.910	0.595
3/17/15	0.0020 U	0.0020 U	0.0120	0.0020 U	0.0040 U	4.6	0.0100 U	0.0100 U	0.0100 U	0.1	0.0020 U	2.800	0.170
9/3/15	0.0010 U	0.0014	0.0270	0.0010 U	0.0005 U	5.7	0.2700	0.0160	0.0370	6.2	0.0053	3.700	0.170
3/17/16	0.0020 U	0.0020 U	0.0112	0.0020 U	0.0020 U	6.3	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	2.680	0.055
8/31/16	0.0020 U	0.0020 U	0.0098	0.0020 U	0.0020 U	6.7	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	3.390	0.036
3/7/17	0.0050 U	0.0050 U	0.0231	0.0050 U	0.0050 U	9.2	0.0092	0.0050 U	0.0124	1.6	0.0050 U	4.210	0.247
4/15/19	0.0010 U	0.0010 U	0.0097	0.0010 U	0.0010 U	2.7	0.0083	0.0011	0.0032	0.2	0.0010 U	1.970	0.071
8/5/19	0.0010 U	0.0013	0.0326	0.0010 U	0.0010 U	2.3	0.0140	0.0029	0.0074 B	4.6	0.0041	2.740	0.143
3/2/20	0.0010 U	0.0010 U	0.0092	0.0010 U	0.0010 U	2.7	0.0022	0.0010 U	0.0010 U	0.0 U	0.0010 U	2.270	0.014
7/30/20	0.0010 U	0.0010 U	0.0113	0.0010 U	0.0010 U	3.1	0.0035	0.0010 U	0.0011	0.2	0.0010 U	2.440	0.034

**Gude Landfill**  
**Monitoring Location MW-2A - Total Metals**

Printed 10/24/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002			
7/27/10	0.0001 J	0.0180	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0073	0.0310
9/30/10	0.0002 U	0.0102	1.94	0.0050 U	0.0050 U	7.2	0.0050 U	--	0.0050 U	0.0114
4/19/11	0.0002 U	0.0092	2.32	0.0050 U	0.0050 U	7.1	0.0050 U	--	0.0050 U	0.0229
9/7/11	0.0002 U	--	1.80	0.0050 U	0.0050 U	6.1	0.0050 U	--	0.0050 U	0.0187
3/6/12	0.0006	--	2.12	0.0050 U	0.0050 U	10.4	0.0050 U	--	0.0050 U	0.0369
9/11/12	0.0008	--	2.14	0.0050 U	0.0050 U	8.4	0.0050 U	--	0.0050 U	0.0247
9/11/13	0.0003	0.0083	2.27	0.0050 U	0.0050 U	9.5	0.0050 U	--	0.0050 U	0.0322
3/24/14	0.0010	0.0165	2.12	0.0050 U	0.0050 U	7.5	0.0050 U	--	0.0050 U	0.0401
9/2/14	0.0007	0.0244	5.83	0.0050 U	0.0050 U	5.0	0.0050 U	--	0.0192	0.0856
3/17/15	0.0002 U	0.0110 U	1.40	0.0350 U	0.0100 U	4.2	0.0020 U	--	0.0100 U	0.0100 U
9/3/15	0.0004	0.2200	2.60	0.0050 U	0.0023	4.8	0.0010 U	--	0.0052	0.0360
3/17/16	0.0002 U	0.0021	1.21	0.0020 U	0.0001 U	5.6	0.0010 U	--	0.0020 U	0.0045
8/31/16	0.0002 U	0.0047	1.54	0.0020 U	0.0020 U	6.3	0.0010 U	--	0.0020 U	0.0071
3/7/17	0.0002 U	0.0245	1.94	0.0050 U	0.0050 U	7.0	0.0050 U	--	0.0050 U	0.0368
4/15/19	0.0001 U	0.0182	1.29	0.0010 U	0.0010 U	4.2 B	0.0010 U	--	0.0010 U	0.0060
8/5/19	0.0001	0.0093	2.22	0.0013	0.0010 U	3.5	0.0010 U	--	0.0042	0.0199 B
3/2/20	0.0001 U	0.0020	1.37	0.0010 U	0.0010 U	3.8	0.0010 U	--	0.0010 U	0.0040 U
7/30/20	0.0003	0.0024	1.43	0.0010 U	0.0010 U	4.1	0.0010 U	--	0.0010 U	0.0040 U



Gude Landfill

Printed 10/24/20

Monitoring Location MW-2A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/27/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-2A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/27/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/6/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	40.80	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.70 B	--	5 U	1 U	1.00 U	--	1.00 U
8/5/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/2/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/30/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-2A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/27/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-2A - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/27/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/2/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-2A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/27/10	3.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
4/19/11	4.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	2.50	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/6/12	2.20	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	3.30	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	2.45	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	3.84	1.00 U	1.00 U	1.00 U	5.00 U	1.51	1.00 U	5 U	1.00 U	--
9/2/14	2.02	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.85	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/15	2.02	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	2.79	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	2.04	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	2.22	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.62	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/2/20	1.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/20	1.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-2B - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.009	0.005 U	0.005 U	8.3	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	2.5	0.059	0.0002 U
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	0.005 U	0.005 U	0.006	0.005 U	0.005 U	9.8	0.01 U	0.01 U	0.006	0.2 U	0.005 U	2.6	0.042	0.0002 U
9/11/12	0.005 U	0.005 U	0.007	0.005 U	0.005 U	11.5	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	3.0	0.029	0.0004
3/21/13	0.005 U	0.005 U	0.008	0.005 U	0.005 U	11.4	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	2.7	0.031	0.0002 U
9/11/13	0.005 U	0.005 U	0.007	0.005 U	0.005 U	10.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	2.4	0.024	0.0002 U
3/24/14	0.005 U	0.005 U	0.007	0.005 U	0.005 U	10.2	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	2.6	0.020	0.0002 U
9/2/14	0.005 U	0.005 U	0.020	0.005 U	0.005 U	5.5	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	3.1	0.062	0.0002 U
3/17/15	0.002 U	0.002 U	0.012	0.002 U	0.004 U	5.8	0.01 U	0.01 U	0.010 U	0.0	0.002 U	3.2	0.052	0.0002 U
9/3/15	0.001 U	0.001 U	0.013	0.001 U	0.001 U	4.8	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	2.7	0.030	0.0002 U
3/17/16	0.002 U	0.002 U	0.011	0.002 U	0.002 U	8.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	3.5	0.047	0.0002 U
8/31/16	0.002 U	0.002 U	0.008	0.002 U	0.002 U	5.7	0.00 U	0.00 U	0.003	0.2 U	0.002 U	2.3	0.035	0.0002 U
3/7/17	0.002 U	0.002 U	0.008	0.002 U	0.002 U	7.6	0.00	0.00 U	0.004	0.2 U	0.002 U	2.9	0.048	0.0002 U
9/11/17	0.002 U	0.002 U	0.007	0.002 U	0.002 U	8.0	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	2.9	0.027	0.0002 U
4/4/18	0.002 U	0.002 U	0.006	0.002 U	0.002 U	7.7	0.00	0.00 U	0.002 U	0.1 U	0.002 U	2.7	0.031	0.0002 U
9/4/18	0.002 U	0.002 U	0.005	0.002 U	0.002 U	7.3	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	2.5	0.022	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-2B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01 U	1.5	0.005 U	0.01 U	5.2	0.005 U	0.01 U	0.009
9/7/11	0.01 U	--	--	--	--	--	--	--
3/6/12	0.01	1.7	0.005 U	0.01 U	9.7	0.005 U	0.01 U	0.008
9/11/12	0.01	1.7	0.005 U	0.01 U	4.9	0.005 U	0.01 U	0.007
3/21/13	0.01 U	1.8	0.005 U	0.01 U	5.0	0.005 U	0.01 U	0.008
9/11/13	0.01 U	1.4	0.005 U	0.01 U	3.9	0.005 U	0.01 U	0.007
3/24/14	0.01 U	1.6	0.005 U	0.01 U	4.6	0.005 U	0.01 U	0.009
9/2/14	0.01 U	1.4	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.012
3/17/15	0.01 U	1.5	0.035 U	0.01 U	5.1	0.002 U	0.01 U	0.010 U
9/3/15	0.01 U	1.4	0.005 U	0.00 U	4.3	0.001 U	0.01 U	0.003 U
3/17/16	0.00 U	1.6	0.002 U	0.00 U	5.3	0.001 U	0.00 U	0.004
8/31/16	0.00	1.3	0.002 U	0.00 U	3.6	0.001 U	0.00 U	0.005
3/7/17	0.00	1.5	0.002 U	0.00 U	4.6	0.001 U	0.00 U	0.014
9/11/17	0.00	1.4	0.002 U	0.00 U	4.4	0.001 U	0.00 U	0.010
4/4/18	0.00	1.5	0.002 U	0.00 U	4.4	0.001 U	0.00 U	0.012
9/4/18	0.00	1.4	0.002 U	0.00 U	4.1	0.001 U	0.00 U	0.004

**Gude Landfill**  
**Monitoring Location MW-2B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/27/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/30/10	29.0	0.20 U	10.0 U	2.5000 U	--	--	18.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/19/11	37.0	0.20 U	10.0 U	2.5000 U	--	--	24.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/7/11	33.0	0.20 U	10.0 U	2.5000 U	--	--	35.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/6/12	40.0	0.20 U	10.0 U	2.5000 U	--	--	30.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/11/12	36.0	0.20 U	10.0 U	2.5500	--	--	34.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/21/13	41.0	0.20 U	12.6	2.5000 U	--	1	34.0	0.2000 U	0 U	0.05 U	457	5.61	--	95	--
9/11/13	34.0	0.20 U	10.0 U	2.5000 U	--	3	30.0	0.2000 U	0 U	0.05 U	413	5.13	--	74	--
3/24/14	37.0	0.20 U	10.0 U	2.5800	--	2	56.0	0.2000 U	--	--	458	5.31	--	78	--
9/2/14	23.0	0.20 U	10.0 U	4.0600	--	5	28.0	0.2000 U	0 U	0.05 U	463	5.22	--	55	--
3/17/15	31.0	0.20 U	10.0 U	3.1800	--	4	34.0	0.2000 U	0 U	0.05 U	349	5.70	--	29	--
9/3/15	28.0	0.20 U	10.0 U	2.5000 U	--	--	30.0	0.2000 U	0 U	0.05 U	426	5.22	--	64	--
3/17/16	42.0	0.20 U	10.0 U	2.5000 U	--	0	62.0	0.2000 U	0	0.05 U	400	5.67	--	84	--
8/31/16	38.0	0.20 U	10.0 U	2.5000 U	--	5	42.0	0.2000 U	0 U	0.05 U	412	5.13	--	67	--
3/7/17	57.0	0.20 U	10.0 U	2.6600	--	--	40.0	0.2000 U	0 U	0.05 U	419	5.19	--	72	--
9/11/17	42.0	0.20 U	10.0 U	2.5000 U	--	4	100.0	0.2000 U	0 U	0.05 U	503	5.57	--	77	--
4/4/18	34.1	0.20 U	10.0 U	2.8400	--	--	29.9	0.2000 U	0 U	0.05 U	283	5.43	--	73	--
9/4/18	31.7	0.20 U	10.0 U	3.0200	--	--	28.6	0.2000 U	0 U	0.05 U	229	5.25	--	67	--
4/15/19	1.0 U	0.10 U	3.0 U	30.2000	--	9	13.5	0.2000 U	--	--	243	5.22	5.50	56	227



**Gude Landfill**  
**Monitoring Location MW-2B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/5/19	17.4	0.10 U	3.0 U	4.0000	--	9	13.6	0.2000 U	--	--	243	5.04	5.50	0	49
3/3/20	22.0	0.10 U	3.0 U	3.4000	--	6	18.0	0.1100 U	--	--	306	5.26	5.64	56	56
7/30/20	16.6	0.10 U	11.2	4.1000	--	3	19.2	0.2000 U	--	--	271	4.38	5.39	70	60

**Gude Landfill**  
**Monitoring Location MW-2B - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/27/10	--	3.0 U	--	--	--	--	--
9/30/10	4.0 U	--	--	648	--	2.4	--
4/19/11	4.0 U	--	--	56	--	1.3	--
9/7/11	4.0 U	--	--	44	--	--	--
3/6/12	4.0 U	--	--	92	--	--	--
9/11/12	4.0 U	--	--	84	--	--	--
3/21/13	4.0 U	--	14.3	4	--	--	0.6
9/11/13	4.0 U	--	17.4	72	--	--	0.0
3/24/14	4.0 U	--	14.6	66	--	--	0.9
9/2/14	4.0 U	--	16.6	1164	--	--	0.7
3/17/15	4.0 U	--	14.4	80	--	--	0.4
9/3/15	4.0 U	--	17.5	21	--	--	0.7
3/17/16	4.0 U	--	17.3	186	--	--	0.0
8/31/16	4.0 U	--	16.1	44	--	--	4.6
3/7/17	4.0 U	--	11.8	49	--	--	1.1
9/11/17	4.0 U	--	15.5	60	--	--	0.9
4/4/18	4.0 U	--	15.5	58	--	--	1.7
9/4/18	4.0 U	--	18.1	45	--	--	0.0
4/15/19	1.5	--	15.7	42	2.6 U	0.8	2.9

**Gude Landfill**  
**Monitoring Location MW-2B - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/5/19	1.0 U	--	16.2	40	4.7	1.7	0.1
3/3/20	0.6 U	--	15.9	32	2.4 U	0.5 U	0.0
7/30/20	1.0 U	--	20.4	52	3.9	1.1	46.7

**Gude Landfill**  
**Monitoring Location MW-2B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
7/27/10	0.0010 U	0.0008 J	0.0088	0.0010 U	0.0010 U	--	0.0012	0.0022	0.0015	--	0.0005 J	--	--
9/30/10	0.0050 U	0.0050 U	0.0113	0.0050 U	0.0050 U	4.9	0.0050 U	0.0050 U	0.0054	0.5 U	0.0050 U	1.940	0.087
4/19/11	0.0050 U	0.0050 U	0.0095	0.0050 U	0.0050 U	8.7	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	2.840	0.063
9/7/11	0.0050 U	0.0050 U	0.0123	0.0050 U	0.0050 U	7.2	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	2.850	0.044
3/6/12	0.0050 U	0.0050 U	0.0064	0.0050 U	0.0050 U	9.9	0.0050 U	0.0050 U	0.0061	0.2 U	0.0050 U	2.440	0.039
9/11/12	0.0050 U	0.0050 U	0.0080	0.0050 U	0.0050 U	11.7	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	3.040	0.030
3/21/13	0.0050 U	0.0050 U	0.0071	0.0050 U	0.0050 U	10.7	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	2.580	0.034
9/11/13	0.0050 U	0.0050 U	0.0070	0.0050 U	0.0050 U	10.1	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	2.560	0.023
3/24/14	0.0050 U	0.0050 U	0.0071	0.0050 U	0.0050 U	11.0	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	2.740	0.021
9/2/14	0.0050 U	0.0050 U	0.0192	0.0050 U	0.0050 U	5.5	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	3.140	0.063
3/17/15	0.0020 U	0.0020 U	0.0120	0.0020 U	0.0040 U	5.7	0.0100 U	0.0100 U	0.0100 U	0.0	0.0020 U	3.000	0.052
9/3/15	0.0010 U	0.0010 U	0.0130	0.0010 U	0.0005 U	4.9	0.0050 U	0.0050 U	0.0050 U	0.1	0.0010 U	2.700	0.028
3/17/16	0.0020 U	0.0020 U	0.0112	0.0020 U	0.0020 U	6.8	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	3.380	0.042
8/31/16	0.0020 U	0.0020 U	0.0081	0.0020 U	0.0020 U	6.0	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	2.470	0.039
3/7/17	0.0020 U	0.0020 U	0.0086	0.0020 U	0.0020 U	8.4	0.0020 U	0.0020 U	0.0023	0.2 U	0.0020 U	2.900	0.061
9/11/17	0.0020 U	0.0020 U	0.0076	0.0020 U	0.0020 U	8.2	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	2.980	0.028
4/4/18	0.0020 U	0.0020 U	0.0064	0.0020 U	0.0020 U	7.6	0.0024	0.0020 U	0.0020 U	0.1 U	0.0020 U	2.650	0.035
9/4/18	0.0020 U	0.0020 U	0.0054	0.0020 U	0.0020 U	7.4	0.0020 U	0.0020 U	0.0020 U	0.1 U	0.0020 U	2.470	0.026
4/15/19	0.0010 U	0.0010 U	0.0087	0.0010 U	0.0010 U	2.3	0.0036	0.0010 U	0.0016	0.1 U	0.0010 U	1.910	0.023
8/5/19	0.0010 U	0.0010 U	0.0078	0.0010 U	0.0010 U	2.4	0.0069	0.0010 U	0.0010 U	0.1 U	0.0010 U	1.840	0.036
3/3/20	0.0010 U	0.0010 U	0.0104	0.0010 U	0.0010 U	3.3	0.0017	0.0010 U	0.0010 U	0.1 J	0.0010 U	2.360	0.018
7/30/20	0.0010 U	0.0010 U	0.0126	0.0010 U	0.0010 U	3.4	0.0027	0.0010 U	0.0010 U	0.0 J	0.0010 U	2.620	0.054

**Gude Landfill**  
**Monitoring Location MW-2B - Total Metals**

Printed 10/24/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002			
7/27/10	0.0002 U	0.0038	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0130
9/30/10	0.0002 U	0.0050 U	1.36	0.0050 U	0.0050 U	7.0	0.0050 U	--	0.0050 U	0.0061
4/19/11	0.0002 U	0.0050 U	1.58	0.0050 U	0.0050 U	5.2	0.0050 U	--	0.0050 U	0.0080
9/7/11	0.0002 U	--	1.39	0.0050 U	0.0050 U	4.9	0.0050 U	--	0.0050 U	0.0079
3/6/12	0.0002 U	0.0070	1.66	0.0050 U	0.0050 U	8.6	0.0050 U	--	0.0050 U	0.0075
9/11/12	0.0006	0.0050 U	1.74	0.0050 U	0.0050 U	4.9	0.0050 U	--	0.0050 U	0.0069
3/21/13	0.0002 U	0.0050 U	1.83	0.0050 U	0.0050 U	4.7	0.0050 U	--	0.0050 U	0.0072
9/11/13	0.0002 U	0.0050 U	1.47	0.0050 U	0.0050 U	4.2	0.0050 U	--	0.0050 U	0.0098
3/24/14	0.0002 U	0.0050 U	1.59	0.0050 U	0.0050 U	4.6	0.0050 U	--	0.0050 U	0.0072
9/2/14	0.0002 U	0.0050 U	1.47	0.0050 U	0.0050 U	4.3	0.0050 U	--	0.0050 U	0.0113
3/17/15	0.0002 U	0.0110 U	1.40	0.0350 U	0.0100 U	4.8	0.0020 U	--	0.0100 U	0.0100 U
9/3/15	0.0002 U	0.0100 U	1.50	0.0050 U	0.0010 U	4.3	0.0010 U	--	0.0050 U	0.0050 U
3/17/16	0.0002 U	0.0020 U	1.52	0.0020 U	0.0001 U	6.5	0.0010 U	--	0.0020 U	0.0037
8/31/16	0.0002 U	0.0020 U	1.32	0.0020 U	0.0020 U	3.8	0.0010 U	--	0.0020 U	0.0038
3/7/17	0.0002 U	0.0049	1.50	0.0020 U	0.0020 U	4.6	0.0010 U	--	0.0020 U	0.0143
9/11/17	0.0002 U	0.0028	1.43	0.0020 U	0.0020 U	4.5	0.0010 U	--	0.0020 U	0.0105
4/4/18	0.0002 U	0.0034	1.43	0.0020 U	0.0020 U	4.2	0.0010 U	--	0.0020 U	0.0118
9/4/18	0.0002 U	0.0022	1.44	0.0020 U	0.0020 U	4.2	0.0010 U	--	0.0020 U	0.0040
4/15/19	0.0001 U	0.0039	1.15	0.0010 U	0.0010 U	3.4 B	0.0010 U	--	0.0010 U	0.0040 U
8/5/19	0.0001 U	0.0050	1.15	0.0010 U	0.0010 U	3.4	0.0010 U	--	0.0010 U	0.0063 B
3/3/20	0.0001 U	0.0015	1.37	0.0010 U	0.0010 U	4.1	0.0010 U	--	0.0010 U	0.0064
7/30/20	0.0005	0.0010 U	1.40	0.0010 U	0.0010 U	4.4	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-2B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/27/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

Printed 10/24/20

7/30/20	1,1,1,2-Tetrachloroethane (ug/L)	1.00 U
	1,1,1-Trichloroethane (ug/L)	1.00 U
	1,1,1,2,2-Tetrachloroethane (ug/L)	1.00 U
	1,1,2-Trichloroethane (ug/L)	1.00 U
	1,1-Dichloroethane (ug/L)	1.00 U
	1,1-Dichloroethene (ug/L)	1.00 U
	1,1-Dichloropropene (ug/L)	1.00 U
	1,2,3-Trichlorobenzene (ug/L)	--
	1,2,3-Trichloropropane (ug/L)	1.00 U
	1,2,4-Trimethylbenzene (ug/L)	--
	1,2-Dibromo-3-chloropropane (ug/L)	0.05 U
	1,2-Dibromoethane (ug/L)	0.02 U
	1,2-Dichlorobenzene (ug/L)	1.0 U
	1,2-Dichloroethane (ug/L)	1.00 U
	1,2-Dichloropropane (ug/L)	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-2B - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/27/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/6/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.70 B	--	5 U	1 U	1.00 U	--	1.00 U
8/5/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U



**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
7/30/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/27/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

Printed 10/24/20

7/30/20	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/27/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-2B - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
7/30/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-2B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/27/10	3.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
4/19/11	1.90	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	3.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/6/12	3.20	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	3.27	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	2.57	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	3.93	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	2.32	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	2.18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/15	2.28	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	2.51	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	1.28	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	1.77	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	2.35	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	2.10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.71	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/3/20	1.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-2B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
7/30/20	1.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-3A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.007	0.005 U	0.005 U	4.3	0.01 U	0.01 U	0.005	0.5 U	0.005 U	1.7	0.008	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.008	0.005 U	0.005 U	4.4	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.8	--	0.0002 U
9/10/12	0.005 U	0.005 U	0.007	0.005 U	0.005 U	4.6	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.9	0.005 U	0.0002 U
3/21/13	0.005 U	0.005 U	0.007	0.005 U	0.005 U	4.1	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.9	0.005 U	0.0002 U
9/16/13	0.005 U	0.005 U	0.007	0.005 U	0.005 U	4.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.7	0.005 U	0.0002 U
3/11/14	0.005 U	0.005 U	0.007	0.005 U	0.005 U	4.0	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.8	0.005 U	0.0002 U
9/3/14	0.005 U	0.005 U	0.007	0.005 U	0.005 U	3.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	1.6	0.005 U	0.0002 U
3/23/15	0.002 U	0.002 U	0.010 U	0.002 U	0.004 U	2.8	0.01 U	0.01 U	0.011	0.1	0.002 U	1.3	0.005 U	0.0002 U
9/2/15	0.001 U	0.001 U	0.005 U	0.001 U	0.001 U	2.5	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	1.2	0.079	0.0002 U
3/22/16	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	3.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	1.6	0.002 U	0.0002 U
9/1/16	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.6	0.00	0.00 U	0.002 U	0.2 U	0.002 U	1.2	0.002 U	0.0002 U
3/9/17	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	1.1	0.002	0.0002 U
9/13/17	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	1.2	0.002 U	0.0002 U
4/2/18	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.8	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	1.2	0.002 U	0.0002 U
9/5/18	0.002 U	0.002 U	0.002 U	0.002 U	0.002 U	2.5	0.00	0.00 U	0.002 U	0.1 U	0.002 U	1.2	0.004	0.0002 U



Gude Landfill

Printed 10/24/20

Monitoring Location MW-3A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.01 U	0.9	0.005 U	0.01 U	4.1	0.005 U	0.01 U	0.007
9/15/11	0.01	--	--	--	--	--	--	--
3/12/12	0.08	0.9	0.005 U	0.01 U	3.8	0.005 U	0.01 U	0.007
9/10/12	0.05	1.0	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.005 U
3/21/13	0.02	1.1	0.005 U	0.01 U	3.7	0.005 U	0.01 U	0.005 U
9/16/13	0.01	1.0	0.005 U	0.01 U	3.9	0.005 U	0.01 U	0.005 U
3/11/14	0.01 U	1.0	0.005 U	0.01 U	4.0	0.005 U	0.01 U	0.005 U
9/3/14	0.01 U	0.9	--	0.01 U	3.4	0.005 U	0.01 U	0.007
3/23/15	0.01 U	0.9	0.035 U	0.01 U	3.3	0.002 U	0.01 U	0.008 J
9/2/15	0.01 U	0.9	0.005 U	0.00 U	3.2	0.001 U	0.01 U	0.005 U
3/22/16	0.00 U	1.1	0.002 U	0.00 U	4.1	0.001 U	0.00 U	0.002 U
9/1/16	0.00 U	0.8	0.002 U	0.00 U	3.2	0.001 U	0.00 U	0.002 U
3/9/17	0.00 U	0.8	0.002 U	0.00 U	3.1	0.001 U	0.00 U	0.002 U
9/13/17	0.00 U	0.7	0.002 U	0.00 U	3.1	0.001 U	0.00 U	0.002 U
4/2/18	0.00 U	0.8	0.002 U	0.00 U	3.5	0.001 U	0.00 U	0.002 U
9/5/18	0.00 U	0.8	0.002 U	0.00 U	3.3	0.001 U	0.00 U	0.002 U

**Gude Landfill**  
**Monitoring Location MW-3A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/29/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/20/10	40.0	0.20 U	10.0 U	2.5000 U	--	--	130.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/20/11	24.0	0.20 U	10.0 U	2.9400	--	--	14.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/15/11	21.0	0.20 U	10.0 U	2.8900	--	--	22.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/12/12	24.0	0.20 U	6.3	5.2800	--	--	50.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/10/12	21.0	0.20 U	10.0 U	2.7600	--	--	44.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/21/13	17.2	0.20 U	10.0 U	2.6000	--	8	34.0	0.2000 U	0 U	0.05 U	425	5.99	--	44	--
9/16/13	16.0	0.20 U	10.0 U	2.5000 U	--	9	16.0	0.2000 U	0 U	0.05 U	378	5.49	--	37	--
3/11/14	17.0	0.20 U	10.0 U	2.9100	--	9	78.0	0.2000 U	--	--	404	5.40	--	30	--
9/3/14	13.5	0.20 U	10.0 U	3.1000	--	9	38.0	0.2000 U	0 U	0.05 U	398	6.13	--	33	--
3/23/15	17.0	0.20 U	10.0 U	2.5000 U	--	9	30.0	0.2000 U	0 U	0.05 U	397	5.98	--	33	--
9/2/15	18.0	0.20 U	10.0 U	2.5000 U	--	6	20.0	0.2000 U	0 U	0.05 U	374	5.51	--	36	--
3/22/16	15.2	0.20 U	10.0 U	2.5000 U	--	0	16.0	0.2000 U	0 U	0.05 U	388	6.02	--	35	--
9/1/16	26.0	0.20 U	10.0 U	2.5800	--	9	20.0	0.2000 U	0 U	0.05 U	400	5.68	--	32	--
3/9/17	13.6	0.20 U	10.0 U	2.5000 U	--	--	34.0	0.2000 U	0 U	0.05 U	429	5.70	--	29	--
9/13/17	13.8	0.20 U	10.0 U	2.5000 U	--	9	40.0	0.2000 U	0 U	0.05 U	411	5.66	--	34	--
4/2/18	15.5	0.20 U	10.0 U	2.5000 U	--	--	10.8	0.2000 U	0 U	0.05 U	214	5.95	--	33	--
9/5/18	15.6	0.20 U	10.0 U	2.5200	--	--	11.8	0.2000 U	0 U	0.05 U	259	5.68	--	31	--
4/11/19	34.3	0.10 U	3.0 U	3.2000	--	9	20.4 B	0.2000 U	--	--	176	5.96	6.27	72	78

**Gude Landfill**  
**Monitoring Location MW-3A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
7/31/19	36.0	0.10 U	9.7	3.0000	--	9	18.1	0.2000 U	--	--	203	5.40	6.31	38	77
3/4/20	28.9	0.10 U	3.0 U	2.7000	--	8	23.2	0.2000 U	--	--	260	5.93	6.29	57	65
7/28/20	13.3	0.10 U	8.1	2.7000	--	9	13.9	0.2000 U	--	--	223	5.65	6.03	46	42

**Gude Landfill**  
**Monitoring Location MW-3A - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
	MCL/ GWPS						
7/29/10	--	3.0 U	--	--	--	--	--
9/20/10	4.0 U	--	--	100	--	1535.0	--
4/20/11	4.0 U	--	--	60	--	151.5	--
9/15/11	4.0 U	--	--	144	--	--	--
3/12/12	4.0 U	--	--	112	--	--	--
9/10/12	4.0 U	--	--	60	--	--	--
3/21/13	4.0 U	--	12.1	16	--	--	982.0
9/16/13	4.0 U	--	14.4	126	--	--	982.0
3/11/14	4.0 U	--	13.1	10	--	--	--
9/3/14	4.0 U	--	13.7	74	--	--	1.8
3/23/15	4.0 U	--	10.4	74	--	--	38.0
9/2/15	4.0 U	--	20.2	1 U	--	--	11.1
3/22/16	4.0 U	--	14.1	10 U	--	--	0.0
9/1/16	4.0 U	--	18.2	43	--	--	11.7
3/9/17	4.0 U	--	19.1	10 U	--	--	4.9
9/13/17	4.0 U	--	15.2	53	--	--	10.7
4/2/18	4.0 U	--	11.9	32	--	--	7.8
9/5/18	4.0 U	--	16.3	26	--	--	8.3
4/11/19	2.0	--	13.6	44	18.7	10.3	9.4

**Gude Landfill**  
**Monitoring Location MW-3A - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
7/31/19	1.1	--	14.8	61	20.2	14.0	9.8
3/4/20	1.2	--	14.9	55	18.8	4.1	6.2
7/28/20	0.6 J	--	17.5	49	246.0	20.1	1209.1

**Gude Landfill**  
**Monitoring Location MW-3A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/29/10	0.0010 U	0.0026	0.0610	0.0006 J	0.0010 U	--	0.0470	0.0160	0.0480	--	0.0130	--
9/20/10	0.0050 U	0.0050 U	0.1440	0.0050 U	0.0050 U	6.9	0.0530	0.0410	0.1180	61.7	0.0259	20.900
4/20/11	0.0050 U	0.0050 U	0.0519	0.0050 U	0.0050 U	6.1	0.0067	0.0108	0.0180	6.0	0.0089	3.680
9/15/11	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	11.1	0.0075	0.0188	0.0273	6.7	0.0230	7.040
3/12/12	0.0050 U	0.0050 U	0.2230	0.0050 U	0.0050 U	17.2	0.0815	0.0397	0.1220	86.1	0.0435	28.100
9/10/12	0.0050 U	0.0050 U	0.1130	0.0250 U	0.0050 U	10.1	0.0500	0.0267	0.0773	44.4	0.0200	15.600
3/21/13	0.0050 U	0.0050 U	0.0487	0.0050 U	0.0050 U	7.1	0.0277	0.0094	0.0332	17.0	0.0088	6.680
9/16/13	0.0050 U	0.0050 U	0.0332	0.0050 U	0.0050 U	5.4	0.0133	0.0051	0.0196	11.7	0.0050 U	5.370
3/11/14	0.0050 U	0.0050 U	0.0367	0.0050 U	0.0050 U	4.5	0.0121	0.0056	0.0288	10.1	0.0052	5.740
9/3/14	0.0050 U	0.0050 U	0.0580	0.0050 U	0.0050 U	5.5	0.0206	0.0108	0.0280	15.8	0.0096	6.120
3/23/15	0.0020 U	0.0020 U	0.0100 U	0.0020 U	0.0040 U	3.1	0.0100 U	0.0100 U	0.0028 J	2.2	0.0020 U	1.800
9/2/15	0.0010 U	0.0010 U	0.0100	0.0010 U	0.0005 U	3.0	0.0050 U	0.0050 U	0.0050 U	2.3	0.0010 J	1.900
3/22/16	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	2.5	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	1.100
9/1/16	0.0020 U	0.0020 U	0.0037	0.0020 U	0.0020 U	2.5	0.0021	0.0020 U	0.0020 U	0.3	0.0020 U	1.290
3/9/17	0.0050 U	0.0050 U	0.0094	0.0050 U	0.0050 U	4.2	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	1.830
9/13/17	0.0050 U	0.0050 U	0.0075	0.0050 U	0.0050 U	3.8	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	1.740
4/2/18	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	2.5	0.0020 U	0.0020 U	0.0020 U	0.1	0.0020 U	1.130
9/5/18	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	2.5	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	1.320
4/11/19	0.0010 U	0.0010 U	0.0042	0.0010 U	0.0010 U	5.5 B	0.0029	0.0010 U	0.0010 U	0.3	0.0010 U	1.610
7/31/19	0.0010 U	0.0015	0.0152	0.0010 U	0.0010 U	3.1	0.0533	0.0044	0.0139	7.5	0.0017	2.510
3/4/20	0.0010 U	0.0010 U	0.0040	0.0010 U	0.0010 U	6.6	0.0020	0.0010 U	0.0010 U	0.2	0.0010 U	1.610
7/28/20	0.0010 U	0.0010 U	0.0075	0.0010 U	0.0010 U	2.5	0.0063	0.0011	0.0032	1.7	0.0010 U	1.900

**Gude Landfill**  
**Monitoring Location MW-3A - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/29/10	--	0.0002 U	0.0390	--	0.0010 U	0.0010 U	--	0.0005 J	0.0050 U	0.0350	0.0900
9/20/10	1.080	0.0002 U	0.0816	13.00	0.0050 U	0.0050 U	7.7	0.0050 U	--	0.0529	0.2270
4/20/11	0.343	0.0002 U	0.0067	1.98	0.0050 U	0.0050 U	4.1	0.0050 U	--	0.0100	0.0275
9/15/11	0.629	0.0002 U	--	2.86	0.0050 U	0.0050 U	4.2	0.0050 U	--	0.0124	0.0459
3/12/12	1.170	0.0002 U	0.0050 U	15.00	0.0050 U	0.0050 U	4.3	0.0050 U	--	0.1000	0.2350
9/10/12	0.715	0.0002 U	0.0050 U	9.80	0.0050 U	0.0050 U	3.9	0.0050 U	--	0.0580	0.1590
3/21/13	0.240	0.0002 U	0.0050 U	3.99	0.0050 U	0.0050 U	4.1	0.0050 U	--	0.0220	0.0600
9/16/13	0.141	0.0002 U	0.0050 U	3.03	0.0050 U	0.0050 U	3.8	0.0050 U	--	0.0134	0.0372
3/11/14	0.172	0.0002 U	0.0126	2.77	0.0050 U	0.0050 U	4.2	0.0050 U	--	0.0132	0.0410
9/3/14	0.416	0.0002 U	0.0202	3.56	0.0050 U	0.0050 U	3.3	0.0050 U	--	0.0212	0.0639
3/23/15	0.059	0.0002 U	0.0110 U	1.30	0.0350 U	0.0100 U	3.3	0.0020 U	--	0.0100 U	0.0078 J
9/2/15	0.010 U	0.0002 U	0.0100 U	1.40	0.0050 U	0.0010 U	3.4	0.0010 U	--	0.0050 U	0.0084
3/22/16	0.002 U	0.0002 U	0.0020 U	0.77	0.0020 U	0.0020 U	2.9	0.0010 U	--	0.0020 U	0.0020 U
9/1/16	0.018	0.0002 U	0.0020 U	0.88	0.0020 U	0.0020 U	3.1	0.0010 U	--	0.0020 U	0.0029
3/9/17	0.021	0.0002 U	0.0050 U	1.00	0.0050 U	0.0050 U	3.8	0.0050 U	--	0.0050 U	0.0050 U
9/13/17	0.007	0.0002 U	0.0050 U	0.83	0.0050 U	0.0050 U	3.5	0.0050 U	--	0.0050 U	0.0153
4/2/18	0.002	0.0002 U	0.0020 U	0.85	0.0020 U	0.0020 U	3.3	0.0010 U	--	0.0020 U	0.0020 U
9/5/18	0.014	0.0002 U	0.0050 U	0.97	0.0050 U	0.0050 U	3.4	0.0050 U	--	0.0050 U	0.0153
4/11/19	0.009	0.0001 U	0.0019	1.04	0.0010 U	0.0010 U	3.7	0.0010 U	--	0.0010 U	0.0040 U
7/31/19	0.281	0.0001 U	0.0351	1.67	0.0010 U	0.0010 U	3.5	0.0010 U	--	0.0062	0.0173 B
3/4/20	0.013	0.0001 U	0.0013	1.06	0.0010 U	0.0010 U	3.3	0.0010 U	--	0.0010 U	0.0040 U
7/28/20	0.047	0.0001 U	0.0060	1.30	0.0010 U	0.0010 U	3.8	0.0010 U	--	0.0026	0.0054

Gude Landfill

Printed 10/24/20

Monitoring Location MW-3A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U



Gude Landfill

Printed 10/24/20

Monitoring Location MW-3A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-3A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/29/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.30 B	--	5 U	1 U	1.00 U	--	1.00 U
7/31/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-3A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/4/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/28/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-3A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/29/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	1.46 J	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.50	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.60	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.80	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.15	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.64	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	2.50	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	2.19	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.44	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.28	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.14	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.01	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.12	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.30	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.00	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-3A - Volatile Organic Compounds

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.00	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.20	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-3A - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/29/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/12/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/10/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/31/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-3A - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/4/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/28/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-3A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--



Gude Landfill

Printed 10/24/20

Monitoring Location MW-3A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-3B - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.013	0.005 U	0.005 U	18.6	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	3.5	0.029	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/10/12	0.005 U	0.005 U	0.022	0.005 U	0.005 U	34.2	0.01 U	0.01 U	0.005 U	0.2	0.005 U	7.4	0.233	0.0002 U
3/21/13	0.005 U	0.005 U	0.015	0.005 U	0.005 U	26.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.0	0.013	0.0002 U
9/16/13	0.005 U	0.005 U	0.014	0.005 U	0.005 U	31.0	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.4	0.026	0.0002 U
3/11/14	0.005 U	0.005 U	0.016	0.005 U	0.005 U	28.1	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.5	0.012	0.0002 U
9/3/14	0.005 U	0.005 U	0.014	0.005 U	0.005 U	24.0	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	3.7	0.018	0.0002 U
3/23/15	0.002 U	0.002 U	0.010	0.002 U	0.004 U	26.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	3.6	0.005 U	0.0002 U
9/2/15	0.001 U	0.001 U	0.030	0.001 U	0.001 U	23.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	2.8	0.015	0.0002 U
3/22/16	0.002 U	0.002 U	0.015	0.002 U	0.002 U	22.9	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	3.4	0.002 U	0.0002 U
9/1/16	0.002 U	0.002 U	0.019	0.002 U	0.002 U	19.0	0.00	0.00 U	0.002 U	0.2 U	0.002 U	2.8	0.002	0.0002 U
3/9/17	0.002 U	0.002 U	0.009	0.002 U	0.002 U	19.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	2.9	0.005	0.0002 U
9/13/17	0.002 U	0.002 U	0.016	0.002 U	0.002 U	15.4	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	2.5	0.002 U	0.0002 U
4/2/18	0.002 U	0.002 U	0.007	0.002 U	0.002 U	20.0	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	2.9	0.005	0.0002 U
9/5/18	0.002 U	0.002 U	0.009	0.002 U	0.002 U	16.3	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	2.6	0.002 U	0.0002 U

Gude Landfill

Monitoring Location MW-3B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.01 U	6.4	0.005 U	0.01 U	103.0	0.005 U	0.01	0.005 U
9/15/11	0.01	--	--	--	--	--	--	--
3/12/12	0.04	--	--	--	--	--	--	--
9/10/12	0.28	5.1	0.005 U	0.01 U	53.8	0.005 U	0.01 U	0.005 U
3/21/13	0.04	2.6	0.005 U	0.01 U	34.6	0.005 U	0.01 U	0.005 U
9/16/13	0.11	2.6	0.005 U	0.01 U	30.9	0.005 U	0.01 U	0.005 U
3/11/14	0.01 U	2.2	0.005 U	0.01 U	18.5	0.005 U	0.01 U	0.006
9/3/14	0.01 U	2.0	0.005 U	0.01 U	17.6	0.005 U	0.01 U	0.008
3/23/15	0.01 U	1.3	0.035 U	0.01 U	10.0	0.002 U	0.01 U	0.010 U
9/2/15	0.01 U	1.3	0.005 U	0.00 U	9.0	0.001 U	0.01 U	0.005 U
3/22/16	0.00 U	1.4	0.002 U	0.00 U	10.4	0.001 U	0.00 U	0.002 U
9/1/16	0.00 U	1.2	0.002 U	0.00 U	9.3	0.001 U	0.00 U	0.002
3/9/17	0.00 U	1.2	0.002 U	0.00 U	17.4	0.001 U	0.00 U	0.003
9/13/17	0.00 U	1.0	0.002 U	0.00 U	8.4	0.001 U	0.00 U	0.003
4/2/18	0.00 U	1.3	0.002 U	0.00 U	14.6	0.001 U	0.00 U	0.006
9/5/18	0.00 U	1.2	0.002 U	0.00 U	11.3	0.001 U	0.00 U	0.003

**Gude Landfill**  
**Monitoring Location MW-3B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/29/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/20/10	160.0	0.20 U	10.0 U	2.5000 U	--	--	100.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/20/11	110.0	0.20 U	22.4	4.5900	--	--	66.0	0.2000 U	0	0.07	--	--	--	--	--
9/15/11	80.0	0.20 U	7.6	2.5700	--	--	45.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/12/12	111.0	0.20 U	6.7	3.4900	--	--	114.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/10/12	137.0	0.20 U	10.0 U	3.4600	--	--	188.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/21/13	118.0	0.20 U	10.0 U	2.7600	--	8	132.0	0.2000 U	0 U	0.05 U	433	8.03	--	161	--
9/16/13	123.0	0.20 U	10.0 U	3.0500	--	8	162.0	0.2000 U	0 U	0.05 U	311	7.59	--	222	--
3/11/14	112.0	0.20 U	10.0 U	2.6300	--	9	130.0	0.2000 U	--	--	269	7.11	--	214	--
9/3/14	105.0	0.20 U	10.0 U	2.5000 U	--	8	118.0	0.2000 U	0 U	0.05 U	311	7.32	--	147	--
3/23/15	94.0	0.20 U	10.0 U	2.5000 U	--	7	100.0	0.2000 U	0 U	0.05 U	390	7.49	--	185	--
9/2/15	81.0	0.20 U	10.0 U	2.5800	--	9	66.0	0.2000 U	0 U	0.05 U	286	7.00	--	184	--
3/22/16	86.0	0.20 U	10.0 U	2.5300	--	0	78.0	0.2000 U	0 U	0.05 U	333	7.42	--	192	--
9/1/16	234.0	0.20 U	10.0 U	479.0000	--	5	590.0	0.2000 U	0 U	0.05 U	360	6.81	--	153	--
3/9/17	91.0	0.20 U	10.0 U	2.5000 J	--	5	70.0	0.2000 U	0 U	0.05 U	410	6.97	--	198	--
9/13/17	65.0	0.20 U	10.0 U	2.7600	--	4	72.0	0.2000 U	0 U	0.05 U	310	6.94	--	158	--
4/2/18	78.0	0.20 U	10.0 U	2.9500	--	--	67.3	0.2000 U	0 U	0.05 U	178	7.36	--	152	--
9/5/18	75.7	0.20 U	10.0 U	2.5100	--	--	59.3	0.2000 U	0 U	0.05 U	239	6.84	--	177	--
4/11/19	60.5	0.10 U	6.0	3.1000	--	4	41.6 B	0.2000 J	--	--	85	6.87	6.93	198	145

**Gude Landfill**  
**Monitoring Location MW-3B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
7/31/19	42.2	0.10 U	11.5	3.6000	--	6	28.5	0.2000 U	--	--	106	6.43	2.14	86	91
3/4/20	21.0	0.10 U	3.0 U	2.7000	--	8	15.3	0.2000 U	--	--	262	5.78	6.25	45	48
7/28/20	22.2	0.10 U	17.0	2.9000	--	8	15.7	0.2000 U	--	--	156	6.45	6.51	100	54

**Gude Landfill**  
**Monitoring Location MW-3B - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/29/10	--	3.0 U	--	--	--	--	--
9/20/10	13.5	--	--	332	--	42.0	--
4/20/11	165.0 J	--	--	472	--	2130.0	--
9/15/11	36.9	--	--	188	--	--	--
3/12/12	65.7	--	--	268	--	--	--
9/10/12	94.4	--	--	292	--	--	--
3/21/13	52.6	--	13.5	158	--	--	11.3
9/16/13	43.2	--	14.3	242	--	--	22.7
3/11/14	29.4	--	14.3	228	--	--	27.8
9/3/14	23.6	--	15.6	256	--	--	30.1
3/23/15	11.6	--	7.8	142	--	--	4.4
9/2/15	5.7	--	22.0	63	--	--	3.4
3/22/16	10.8	--	13.0	107	--	--	5.2
9/1/16	65.5	--	15.3	1240	--	--	0.0
3/9/17	16.4	--	14.6	40	--	--	4.0
9/13/17	7.3	--	15.0	104	--	--	2.0
4/2/18	11.7	--	9.2	125	--	--	11.5
9/5/18	11.5	--	13.6	118	--	--	1.4
4/11/19	47.5	--	12.7	100	37.9	8.6	12.8

**Gude Landfill**  
**Monitoring Location MW-3B - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
7/31/19	2.9	--	20.0	73	9.2	9.3	16.5
3/4/20	1.0 U	--	14.4	48	6.8	3.3	0.7
7/28/20	1.7	--	17.2	54	7.1	4.8	9.0

**Gude Landfill**  
**Monitoring Location MW-3B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/29/10	0.0006 J	0.0091	0.2100	0.0020	0.0010 U	--	0.0740	0.0270	0.0860	--	0.0490	--
9/20/10	0.0050 U	0.0050 U	0.0943	0.0050 U	0.0050 U	10.7	0.0246	0.0050 U	0.0125	1.3	0.0050 U	0.715
4/20/11	0.0050 U	0.0050 U	0.2370	0.0050 U	0.0050 U	63.0	0.0180	0.0270	0.0533	9.6	0.0410	10.600
9/15/11	0.0050 U	0.0050 U	0.1750	0.0100 U	0.0050 U	57.4	0.0129	0.0064	0.0184	3.9	0.0110	5.360
3/12/12	0.0050 U	0.0050 U	0.0994	0.0050 U	0.0050 U	42.3	0.0409	0.0120	0.0403	19.4	0.0138	11.700
9/10/12	0.0050 U	0.0050 U	0.1300	0.0050 U	0.0050 U	61.8	0.1840	0.0243	0.1050	19.2	0.0163	11.300
3/21/13	0.0050 U	0.0050 U	0.0643	0.0050 U	0.0050 U	44.4	0.0478	0.0093	0.0308	8.9	0.0087	7.410
9/16/13	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	54.5	0.1240	0.0157	0.0540	24.9	0.0171	12.000
3/11/14	0.0050 U	0.0050 U	0.0491	0.0050 U	0.0050 U	34.3	0.0530	0.0058	0.0258	5.7	0.0077	6.810
9/3/14	0.0050 U	0.0050 U	0.0808	0.0050 U	0.0050 U	33.3	0.0655	0.0113	0.0467	11.4	0.0134	7.090
3/23/15	0.0020 U	0.0020 U	0.0100 U	0.0020 U	0.0040 U	26.0	0.0100 U	0.0100 U	0.0100 U	0.2	0.0020 U	3.600
9/2/15	0.0010 U	0.0010 U	0.0300	0.0010 U	0.0005 U	23.0	0.0050 U	0.0050 U	0.0050 U	0.1	0.0010 U	2.800
3/22/16	0.0020 U	0.0020 U	0.0135	0.0020 U	0.0020 U	24.5	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U	3.950
9/1/16	0.0020 U	0.0026	0.3040	0.0020 U	0.0020 U	106.0	0.0061	0.7460	0.0092	3.9	0.0020 U	77.400
3/9/17	0.0050 U	0.0050 U	0.0146	0.0050 U	0.0050 U	22.8	0.0050 U	0.0050 U	0.0050 U	0.2	0.0050 U	3.730
9/13/17	0.0050 U	0.0050 U	0.0209	0.0050 U	0.0050 U	19.4	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	3.340
4/2/18	0.0050 U	0.0050 U	0.0193	0.0050 U	0.0050 U	21.3	0.0050 U	0.0050 U	0.0050	1.3	0.0050 U	3.440
9/5/18	0.0020 U	0.0020 U	0.0079	0.0020 U	0.0020 U	18.8	0.0041	0.0020 U	0.0020 U	0.5	0.0020 U	2.960
4/11/19	0.0010 U	0.0010 U	0.0105	0.0010 U	0.0010 U	12.1 B	0.0053	0.0010 U	0.0014	0.6	0.0010 U	2.770
7/31/19	0.0010 U	0.0010 U	0.0117	0.0010 U	0.0010 U	7.9	0.0185	0.0012	0.0221	0.6	0.0010 U	2.160
3/4/20	0.0010 U	0.0010 U	0.0046	0.0010 U	0.0010 U	3.5	0.0020	0.0010 U	0.0014	0.2	0.0010 U	1.620
7/28/20	0.0010 U	0.0010 U	0.0062	0.0010 U	0.0010 U	3.4	0.0065	0.0010 U	0.0038	0.2	0.0010 U	1.720

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-3B - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/29/10	--	0.0002 U	0.0640	--	0.0016	0.0010 U	--	0.0008 J	0.0056	0.0560	0.1900
9/20/10	0.040	0.0002 U	0.0266	26.00	0.0050 U	0.0050 U	56.7	0.0050 U	--	0.0047 J	0.0123
4/20/11	1.260	0.0002 U	0.0310	9.54	0.0050 U	0.0050 U	107.0 J	0.0050 U	--	0.0279	0.1080
9/15/11	0.276	0.0002 U	--	9.11	0.0050 U	0.0050 U	41.0	0.0050 U	--	0.0098	0.0359
3/12/12	0.371	0.0002 U	--	7.83	0.0050 U	0.0050 U	48.6	0.0050 U	--	0.0220	0.0724
9/10/12	0.584	0.0002 U	0.0050 U	7.26	0.0050 U	0.0050 U	51.1	0.0050 U	--	0.0216	0.0988
3/21/13	0.330	0.0002 U	0.0050 U	4.18	0.0050 U	0.0050 U	36.0	0.0050 U	--	0.0112	0.0429
9/16/13	0.465	0.0003	0.0061	6.49	0.0050 U	0.0050 U	30.1	0.0050 U	--	0.0233	0.0801
3/11/14	0.221	0.0002 U	0.0605	3.19	0.0050 U	0.0050 U	19.4	0.0050 U	--	0.0068	0.0300
9/3/14	0.385	0.0002 U	0.0648	3.55	0.0050 U	0.0050 U	17.0	0.0050 U	--	0.0136	0.0612
3/23/15	0.011	0.0002 U	0.0110 U	1.50	0.0350 U	0.0100 U	12.0	0.0020 U	--	0.0100 U	0.0100 U
9/2/15	0.010 U	0.0002 U	0.0100 U	1.30	0.0050 U	0.0010 U	9.1	0.0010 U	--	0.0050 U	0.0050 U
3/22/16	0.012	0.0002 U	0.0020 U	1.67	0.0020 U	0.0020 U	11.4	0.0010 U	--	0.0020 U	0.0020 U
9/1/16	60.100	0.0002 U	0.0820	4.25	0.0025	0.0020 U	114.0	0.0010 U	--	0.0023	0.0415
3/9/17	0.014	0.0002 U	0.0050 U	1.42	0.0050 U	0.0050 U	22.4	0.0050 U	--	0.0050 U	0.0055
9/13/17	0.021	0.0002 U	0.0050 U	1.21	0.0050 U	0.0050 U	11.2	0.0050 U	--	0.0050 U	0.0301
4/2/18	0.072	0.0002 U	0.0052	1.67	0.0050 U	0.0050 U	14.8	0.0050 U	--	0.0050 U	0.0336
9/5/18	0.014	0.0002 U	0.0020 U	1.27	0.0020 U	0.0020 U	15.1	0.0010 U	--	0.0020 U	0.0047
4/11/19	0.032	0.0001 U	0.0036	1.26	0.0010 U	0.0010 U	13.5	0.0010 U	--	0.0012	0.0104
7/31/19	0.022	0.0001 U	0.0114	1.19	0.0010 U	0.0010 U	6.4	0.0010 U	--	0.0010 U	0.0154 B
3/4/20	0.010	0.0001 U	0.0012	0.93	0.0010 U	0.0010 U	3.2	0.0010 U	--	0.0010 U	0.0113
7/28/20	0.012	0.0001 U	0.0055	0.91	0.0010 U	0.0010 U	5.4	0.0010 U	--	0.0010 U	0.0098

Gude Landfill

Printed 10/24/20

Monitoring Location MW-3B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-3B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-3B - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/29/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.32	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	6.17	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.20 B	--	5 U	1 U	1.00 U	--	1.00 U
7/31/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-3B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/4/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/28/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-3B - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/29/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	0.90 J	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	1.11 J	2.00 U	2.00 U	0.83 J	--	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.08	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.02	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.10	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-3B - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.00	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.80	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-3B - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/29/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/12/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/10/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/31/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-3B - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/4/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/28/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-3B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/11/14	1.44	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-3B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-4 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.038	0.005 U	0.005 U	22.4	0.01 U	0.01 U	0.005 U	0.6	0.005 U	12.5	0.081	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.039	0.005 U	0.005 U	38.6	0.01 U	0.01 U	0.005 U	0.3	0.005 U	23.3	0.122	0.0002 U
9/18/12	0.005 U	0.005 U	0.034	0.005 U	0.005 U	33.8	0.01 U	0.01 U	0.005 U	0.4	0.005 U	21.0	0.105	0.0002 U
4/1/13	0.005 U	0.005 U	0.048	0.005 U	0.005 U	8.7	0.01 U	0.01 U	0.012	0.2 U	0.005 U	5.9	0.189	0.0002 U
9/23/13	0.005 U	0.005 U	0.036	0.005 U	0.005 U	34.0	0.01 U	0.01 U	0.005 U	0.5	0.005 U	22.2	0.142	0.0002 U
3/6/14	0.005 U	0.005 U	0.039	0.005 U	0.005 U	43.7	0.01 U	0.01 U	0.005 U	0.5	0.005 U	24.5	0.156	0.0002 U
9/4/14	0.005 U	0.005 U	0.037	0.005 U	0.005 U	33.9	0.01 U	0.01 U	0.005 U	0.3	0.005 U	20.4	0.066	0.0002 U
3/19/15	0.002 U	0.002 U	0.031	0.002 U	0.004 U	40.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	24.0	0.055	0.0002 U
9/3/15	0.001 U	0.001 U	0.034	0.001 U	0.001 U	37.0	0.01 U	0.01 U	0.005 U	0.1	0.001 U	23.0	0.180	0.0002 U
3/21/16	0.002 U	0.002 U	0.032	0.002 U	0.002 U	37.7	0.00 U	0.00 U	0.002 U	0.2	0.002 U	22.0	0.055	0.0002 U
8/30/16	0.002 U	0.002 U	0.032	0.002 U	0.002 U	35.0	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	20.7	0.045	0.0002 U
3/8/17	0.002 U	0.002 U	0.033	0.002 U	0.002 U	36.6	0.00 U	0.00 U	0.002	0.2 U	0.002 U	21.6	0.043	0.0002 U
9/13/17	0.002 U	0.002 U	0.033	0.002 U	0.002 U	38.3	0.00 U	0.00 U	0.002 U	0.2	0.002 U	22.8	0.070	0.0002 U
4/3/18	0.002 U	0.002 U	0.031	0.002 U	0.002 U	37.9	0.00	0.00 U	0.002 U	0.1 U	0.002 U	21.8	0.022	0.0002 U
9/11/18	0.002 U	0.002 U	0.031	0.002 U	0.002 U	41.0	0.00	0.00 U	0.002 U	0.1 U	0.002 U	23.1	0.020	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-4 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01	2.6	0.005 U	0.01 U	15.0	0.005 U	0.01 U	0.005
9/15/11	0.01	--	--	--	--	--	--	--
3/8/12	0.02	2.9	0.005 U	0.01 U	29.1	0.005 U	0.01 U	0.007
9/18/12	0.01	2.9	0.005 U	0.01 U	27.8	0.005 U	0.01 U	0.014
4/1/13	0.01	1.3	0.005 U	0.01 U	7.5	0.005 U	0.01 U	0.011
9/23/13	0.01	2.6	0.005 U	0.01 U	28.5	0.005 U	0.01 U	0.007
3/6/14	0.01	2.8	0.005 U	0.01 U	30.2	0.005 U	0.01 U	0.006
9/4/14	0.01	2.6	0.005 U	0.01 U	27.3	0.005 U	0.01 U	0.008
3/19/15	0.01 U	2.9	0.035 U	0.01 U	31.0	0.002 U	0.01 U	0.010 U
9/3/15	0.01 U	2.8	0.005 U	0.00 U	32.0	0.001 U	0.01 U	0.005 U
3/21/16	0.00 U	2.6	0.002 U	0.00 U	28.8	0.001 U	0.00 U	0.002
8/30/16	0.00 U	2.6	0.002 U	0.00 U	28.5	0.001 U	0.00 U	0.002
3/8/17	0.00	2.6	0.002 U	0.00 U	29.0	0.001 U	0.00	0.004
9/13/17	0.00	2.6	0.002 U	0.00 U	31.5	0.001 U	0.00 U	0.002 U
4/3/18	0.00	2.7	0.002 U	0.00 U	29.4	0.001 U	0.00 U	0.004
9/11/18	0.00	2.8	0.002 U	0.00 U	27.0	0.001 U	0.00 U	0.003

**Gude Landfill**  
**Monitoring Location MW-4 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/21/10	70.0	0.20 U	10.0 U	106.0000	--	--	183.0	0.3756 HT	0 HT	0.01 J	--	--	--	--	--
4/26/11	60.0	0.20 U	10.0 U	138.0000 J	--	--	200.0	0.3780	0	0.05 U	--	--	--	--	--
9/15/11	52.0	0.20 U	10.0 U	120.0000	--	--	163.0	0.4060	0	0.05 U	--	--	--	--	--
3/8/12	56.0	0.20 U	3.1	145.0000	--	--	188.0	0.4700	0	0.05 U	--	--	--	--	--
9/18/12	51.0	0.20 U	10.0 U	125.0000	--	--	162.0	0.4440	0	0.05 U	--	--	--	--	--
4/1/13	55.0	0.20 U	10.0 U	141.0000	--	0	186.0	0.4650	1	0.05 U	364	6.11	--	621	--
9/23/13	55.0	0.20 U	10.0 U	128.0000	--	0	170.0	0.4890	0	0.05 U	300	6.05	--	486	--
3/6/14	65.0	0.20 U	10.0 U	147.0000	--	0	206.0	0.4630	--	--	284	6.03	--	549	--
9/4/14	51.0	0.20 U	10.0 U	139.0000	--	2	194.0	0.5660	1	0.05 U	253	6.24	--	499	--
3/19/15	50.0	0.20 U	10.0 U	143.0000	--	0	212.0	0.6210	1	0.05 U	356	5.96	--	487	--
9/3/15	60.0	0.20 U	10.0 U	152.0000	--	8	194.0	0.5070	1	0.05 U	221	5.92	--	574	--
3/21/16	54.0	0.20 U	10.0 U	154.0000	--	0	184.0	0.6510	1	0.05 U	327	5.99	--	525	--
8/30/16	47.0	0.20 U	10.0 U	138.0000	--	--	140.0	0.6550	1	0.05 U	330	5.86	--	502	--
3/8/17	47.0	0.20 U	10.0 U	148.0000	--	--	192.0	0.6680	1	0.05 U	370	5.71	--	499	--
9/13/17	54.0	0.20 U	10.0 U	148.0000	--	0	116.0	0.6580	1	0.05 U	392	6.03	--	590	--
4/3/18	43.2	0.20 U	10.0 U	145.0000	--	--	181.0	0.7870	1	0.05 U	180	5.82	--	497	--
9/11/18	43.5	0.20 U	10.0 U	148.0000	--	--	191.0	0.7880	1	0.05 U	219	5.67	--	551	--
4/8/19	45.6	0.10 U	12.4	156.0000	--	0	187.0 B	0.8000	--	--	160	5.76	5.95	718	604

**Gude Landfill**  
**Monitoring Location MW-4 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
7/30/19	43.8	0.10 U	11.5	157.0000	--	1	174.0 B	0.7000	--	--	200	5.77	5.93	529	597
3/16/20	45.2	0.10 U	11.7	150.0000	--	1	205.0	0.8200	--	--	136	5.60	6.07	739	608
8/3/20	43.0	0.10 U	26.6	158.0000	--	1	203.0	0.6800	--	--	185	5.74	5.83	574	638

**Gude Landfill**  
**Monitoring Location MW-4 - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/30/10	--	3.0 U	--	--	--	--	--
9/21/10	4.0 U	--	--	552	--	880.0	--
4/26/11	4.0 U	--	--	552	--	13.2	--
9/15/11	4.0 U	--	--	520	--	--	--
3/8/12	4.0 U	--	--	528	--	--	--
9/18/12	4.0 U	--	--	428	--	--	--
4/1/13	4.3	--	13.4	310	--	--	59.7
9/23/13	4.0	--	15.3	442	--	--	45.2
3/6/14	4.7	--	11.4	320	--	--	132.6
9/4/14	4.7	--	15.0	370	--	--	87.0
3/19/15	5.4	--	14.1	442	--	--	13.3
9/3/15	5.1	--	15.4	320	--	--	0.0
3/21/16	5.3	--	13.0	320	--	--	14.1
8/30/16	4.8	--	16.5	412	--	--	6.5
3/8/17	5.1	--	13.9	282	--	--	1.7
9/13/17	5.1	--	15.2	507	--	--	0.3
4/3/18	4.9	--	11.6	398	--	--	4.8
9/11/18	4.2	--	15.9	398	--	--	5.7
4/8/19	5.9	--	15.0	482	4.7 U	3.4	5.4



**Gude Landfill**  
**Monitoring Location MW-4 - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
7/30/19	5.9	--	15.8	475	25.1	11.9	8.0
3/16/20	4.9	--	13.0	480	336.0	45.3	51.2
8/3/20	4.6	--	18.1	365	107.0	33.2 O-	53.8

**Gude Landfill**  
**Monitoring Location MW-4 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/30/10	0.0010 U	0.0006 J	0.0270	0.0010 U	0.0010 U	--	0.0008 J	0.0011	0.0010 U	--	0.0010 U	--
9/21/10	0.0050 U	0.0050 U	0.2280	0.0050 U	0.0050 U	34.4	0.0261	0.0264	0.0370	37.6	0.0220	30.900
4/26/11	0.0050 U	0.0050 U	0.0431	0.0050 U	0.0050 U	35.5 J	0.0050 U	0.0050 U	0.0050 U	1.2	0.0050 U	25.800 J
9/15/11	0.0050 U	0.0050 U	0.0409	0.0050 U	0.0050 U	34.5	0.0050 U	0.0050 U	0.0050 U	1.1	0.0050 U	22.900
3/8/12	0.0050 U	0.0050 U	0.0721	0.0050 U	0.0050 U	40.4	0.0076	0.0050 U	0.0145	7.7	0.0050 U	25.500
9/18/12	0.0050 U	0.0050 U	0.0383	0.0050 U	0.0050 U	33.4	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	19.600
4/1/13	0.0050 U	0.0050 U	0.0383	0.0050 U	0.0050 U	39.6	0.0050 U	0.0050 U	0.0133	1.0	0.0050 U	22.600
9/23/13	0.0050 U	0.0050 U	0.0417	0.0050 U	0.0050 U	35.1	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U	23.200
3/6/14	0.0050 U	0.0050 U	0.0483	0.0050 U	0.0050 U	45.6	0.0050 U	0.0050 U	0.0050 U	1.9	0.0050 U	25.000
9/4/14	0.0050 U	0.0050 U	0.0420	0.0050 U	0.0050 U	35.0	0.0050 U	0.0050 U	0.0050 U	1.0	0.0050 U	21.100
3/19/15	0.0020 U	0.0020 U	0.0340	0.0020 U	0.0040 U	40.0	0.0100 U	0.0100 U	0.0100 U	0.7	0.0020 U	25.000
9/3/15	0.0010 U	0.0010 U	0.0320	0.0010 U	0.0005 U	39.0	0.0050 U	0.0050 U	0.0050 U	0.2	0.0010 U	25.000
3/21/16	0.0050 U	0.0050 U	0.0410	0.0050 U	0.0050 U	43.8	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	25.300
8/30/16	0.0020 U	0.0020 U	0.0323	0.0020 U	0.0020 U	34.5	0.0020 U	0.0020 U	0.0020 U	0.4	0.0020 U	20.500
3/8/17	0.0020 U	0.0020 U	0.0326	0.0020 U	0.0020 U	35.4	0.0021	0.0020 U	0.0023	0.2	0.0020 U	20.900
9/13/17	0.0020 U	0.0020 U	0.0333	0.0020 U	0.0020 U	38.8	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U	23.200
4/3/18	0.0020 U	0.0020 U	0.0318	0.0020 U	0.0020 U	37.3	0.0020 U	0.0020 U	0.0032	0.2	0.0020 U	21.400
9/11/18	0.0050 U	0.0050 U	0.0326	0.0050 U	0.0050 U	39.4	0.0050 U	0.0050 U	0.0050 U	0.1	0.0050 U	22.600
4/8/19	0.0010 U	0.0010 U	0.0334	0.0010 U	0.0010 U	33.0	0.0027	0.0010 U	0.0012	0.6	0.0010 U	25.400
7/30/19	0.0010 U	0.0010 U	0.0357	0.0010 U	0.0010 U	32.0 B	0.0036	0.0010 U	0.0114	1.5	0.0010 U	23.000
3/16/20	0.0010 U	0.0010 U	0.0451	0.0010 U	0.0010 U	37.4	0.0065	0.0010	0.0010 U	2.8	0.0012	27.100
8/3/20	0.0010 U	0.0010 U	0.0463	0.0010 U	0.0010 U	36.1	0.0055	0.0012	0.0024	3.4	0.0012	27.300

Gude Landfill

Printed 10/24/20

Monitoring Location MW-4 - Total Metals

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/30/10	--	0.0002 U	0.0200	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0130
9/21/10	2.870	0.0002 U	0.0758	12.20	0.0050 U	0.0050 U	29.4	0.0050 U	--	0.0213	0.1380
4/26/11	0.138	0.0002 U	0.0108	3.56	0.0050 U	0.0050 U	30.2 J	0.0050 U	--	0.0050 U	0.0078
9/15/11	0.104	0.0002 U	--	2.76	0.0050 U	0.0050 U	29.4	0.0050 U	--	0.0050 U	0.0076
3/8/12	0.549	0.0002 U	0.0085	4.51	0.0050 U	0.0050 U	29.7	0.0050 U	--	0.0050 U	0.0313
9/18/12	0.115	0.0002 U	0.0108	3.01	0.0050 U	0.0050 U	24.9	0.0050 U	--	0.0050 U	0.0069
4/1/13	0.175	0.0002 U	0.0059	3.47	0.0050 U	0.0050 U	30.9	0.0050 U	--	0.0050 U	0.0090
9/23/13	0.142	0.0002 U	0.0096	2.53	0.0050 U	0.0050 U	29.6	0.0050 U	--	0.0050 U	0.0073
3/6/14	0.257	0.0002 U	0.0130	3.03	0.0050 U	0.0050 U	30.3	0.0050 U	--	0.0050 U	0.0103
9/4/14	0.123	0.0002 U	0.0076	2.79	0.0050 U	0.0050 U	28.3	0.0050 U	--	0.0050 U	0.0108
3/19/15	0.091	0.0002 U	0.0110 U	3.00	0.0350 U	0.0100 U	30.0	0.0020 U	--	0.0100 U	0.0056 J
9/3/15	0.120	0.0002 U	0.0100 U	2.90	0.0050 U	0.0010 U	35.0	0.0010 U	--	0.0050 U	0.0050 U
3/21/16	0.073	0.0002 U	0.0050 U	3.44	0.0050 U	0.0050 U	33.3	0.0050 U	--	0.0050 U	0.0065
8/30/16	0.053	0.0002 U	0.0020 U	2.53	0.0020 U	0.0020 U	27.5	0.0010 U	--	0.0020 U	0.0022
3/8/17	0.045	0.0002 U	0.0021	2.47	0.0020 U	0.0020 U	28.0	0.0010 U	--	0.0020 U	0.0026
9/13/17	0.092	0.0002 U	0.0049	2.54	0.0020 U	0.0020 U	32.1	0.0010 U	--	0.0020 U	0.0020 U
4/3/18	0.021	0.0002 U	0.0020 U	2.64	0.0020 U	0.0020 U	28.9	0.0010 U	--	0.0020 U	0.0058
9/11/18	0.019	0.0002 U	0.0050 U	2.74	0.0050 U	0.0050 U	29.5	0.0050 U	--	0.0050 U	0.0050 U
4/8/19	0.023	0.0001 U	0.0017	2.86	0.0010 U	0.0010 U	34.4	0.0010 U	--	0.0010 U	0.0046
7/30/19	0.058	0.0001 U	0.0022	2.85	0.0010 U	0.0010 U	29.7 B	0.0010 U	--	0.0010 U	0.0061
3/16/20	0.106	0.0001 U	0.0050	3.50	0.0010 U	0.0010 U	32.9	0.0010 U	--	0.0010 U	0.0090 B
8/3/20	0.115	0.0001 U	0.0044	3.45	0.0010 U	0.0010 U	33.0	0.0010 U	--	0.0019	0.0144

Gude Landfill

Printed 10/24/20

Monitoring Location MW-4 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	9.30	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-4 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-4 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/30/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	9.40	--	5 U	--	1.10	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	2.10	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-4 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/16/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-4 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	0.50 J	1.00 U	1.00 U	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	0.76 J	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.60	1.0 U	1.00 U	2.90	--	13.00	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.70	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.25	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.18	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.04	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.22	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.10	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-4 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-4 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/30/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	2.00	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/18/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	6.07	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-4 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/16/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-4 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.70	1.00 U	5.00 U	5.60	1.00 U	1 U	1.00 U	1 U
9/15/11	1.50	1.00 U	1.00 U	1.00 U	5.00 U	1.40	14.00	1 U	3.10	1 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-4 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-6 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.226	0.005 U	0.005 U	69.5	0.01 U	0.34	0.006	0.5 U	0.005 U	52.7	49.900	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.267	0.005 U	0.005 U	83.7	0.01 U	0.36	0.006	0.4	0.005 U	57.8	47.700	0.0002 U
9/13/12	0.005 U	0.005 U	0.270	0.005 U	0.005 U	74.8	0.01 U	0.28	0.005	0.5	0.005 U	53.3	37.300	0.0002 U
3/18/13	0.005 U	0.005 U	0.249	0.005 U	0.005 U	75.7	0.01 U	0.32	0.006	1.0	0.005 U	54.7	46.500	0.0002 U
9/16/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/17/13	0.005 U	0.005 U	0.271	0.005 U	0.005 U	81.6	0.01 U	0.31	0.005 U	0.4	0.005 U	57.9	42.000	0.0002 U
9/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/14	0.005 U	0.005 U	0.261	0.005 U	0.005 U	82.3	0.01 U	0.32	0.005 U	0.9	0.005 U	58.1	47.100	0.0002 U
9/2/14	0.005 U	0.005 U	0.402	0.005 U	0.005 U	98.2	0.01 U	0.51	0.007	2.0 U	0.005 U	69.2	52.700	0.0002 U
3/19/15	0.002 U	0.002 U	0.310	0.002 U	0.004 U	85.0	0.25	0.59	0.009 J	6.5	0.002 U	60.0	50.000	0.0002 U
8/31/15	0.001 U	0.001 U	0.320	0.001 U	0.001 U	85.0	0.21	0.46	0.011	1.9	0.001 U	67.0	50.000	0.0002 U
3/17/16	0.002 U	0.002 U	0.315	0.002 U	0.002	97.1	0.00 U	0.58	0.002 U	34.3	0.002 U	72.8	59.400	0.0002 U
9/1/16	0.002 U	0.003	0.318	0.002 U	0.002 U	107.0	0.01	0.69	0.008	3.5	0.002 U	77.4	60.800	0.0002 U
3/13/17	0.002 U	0.003	0.309	0.002 U	0.002 U	100.0	0.00 U	0.56	0.014	0.7	0.002 U	71.1	43.800	0.0002 U
9/11/17	0.002 U	0.002 U	0.414	0.002 U	0.002	109.0	0.00	0.62	0.002	0.7	0.002 U	79.5	62.300	0.0002 U
4/4/18	0.002 U	0.020 U	0.366	0.002 U	0.002 U	96.5	0.02 U	0.59	0.020 U	5.4	0.002 U	71.9	73.600	0.0002 U
9/4/18	0.002 U	0.002 U	0.310	0.002 U	0.002 U	99.6	0.01	0.76	0.002 U	29.2	0.002 U	73.5	74.200	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-6 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.03	3.1	0.005 U	0.01 U	62.2	0.005 U	0.01 U	0.043
9/8/11	0.03	--	--	--	--	--	--	--
3/7/12	0.04	3.7	0.005 U	0.01 U	77.8	0.005 U	0.01 U	0.033
9/13/12	0.06	4.1	0.007	0.01 U	64.0	0.005 U	0.01 U	0.039
3/18/13	0.05	3.4	0.007	0.01 U	64.3	0.005 U	0.01 U	0.037
9/16/13	0.03	--	--	--	--	--	--	--
9/17/13	0.04	3.7	0.008	0.01 U	68.4	0.005 U	0.01 U	0.035
9/19/13	0.06	--	--	--	--	--	--	--
3/6/14	0.03	3.3	0.005 U	0.01 U	67.5	0.005 U	0.01 U	0.043
9/2/14	0.06	4.3	0.007	0.01 U	98.0	0.005 U	0.01 U	0.045
3/19/15	0.49	3.7	0.350 U	0.01 U	97.0	0.002 U	0.01 U	0.044
8/31/15	0.35	4.0	0.005 U	0.00 U	97.0	0.001 U	0.01 U	0.044
3/17/16	0.05	3.2	0.005	0.00 U	102.0	0.001 U	0.00 U	0.023
9/1/16	0.08	4.2	0.002	0.00 U	114.0	0.001 U	0.00	0.040
3/13/17	0.07	4.0	0.002 U	0.00 U	112.0	0.001 U	0.00	0.040
9/11/17	0.07	4.3	0.006	0.00 U	123.0	0.001 U	0.00 U	0.033
4/4/18	0.06	5.0 U	0.020 U	0.00 U	115.0	0.001 U	0.02 U	0.027
9/4/18	0.07	2.3	0.002 U	0.00 U	107.0	0.001 U	0.00 U	0.030

**Gude Landfill**  
**Monitoring Location MW-6 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1				
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/21/10	260.0	0.20 U	10.0 U	222.0000	--	--	430.0	0.0757 J	0 J	0.03 J	--	--	--	--
4/20/11	264.0	0.20 U	17.3	200.0000	--	--	1720.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/8/11	214.0	0.20 U	10.0 U	226.0000	--	--	430.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/7/12	238.0	0.20 U	10.0 U	243.0000	--	--	470.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/13/12	197.0	0.20 U	10.0 U	255.0000	--	--	452.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/18/13	216.0	0.20 U	10.0 U	258.0000	--	0	472.0	0.2000 U	0 U	0.05 U	297	6.17	--	1
9/16/13	--	--	--	--	--	1	410.0	--	--	--	152	5.90	--	938
9/17/13	183.0	0.20 U	10.0 U	304.0000	--	0	500.0	0.2000 U	0 U	0.05 U	439	5.62	--	1248
9/19/13	--	--	--	--	--	4	430.0	--	--	--	169	5.98	--	1
3/6/14	208.0	0.20 U	10.0 U	282.0000	--	4	500.0	0.2000 U	--	--	280	6.09	--	1214
9/2/14	201.0	0.20 U	10.0 U	411.0000	--	1	632.0	0.2000 U	0 U	0.05 U	324	5.85	--	1557
3/19/15	201.0	0.20 U	10.0 U	372.0000	--	0	104.0	0.2000 U	0 U	0.05 U	292	6.55	--	1320
8/31/15	197.0	0.20 U	10.0 U	409.0000	--	--	800.0	0.2000 U	0 U	0.05 U	225	6.01	--	1004
3/17/16	247.0	0.20 U	10.0 U	407.0000	--	3	710.0	0.2000 U	0 U	0.05 U	166	6.27	--	1730
9/1/16	80.0	0.20 U	10.0 U	3.6100	--	--	70.0	0.2000 U	0 U	0.05 U	236	5.66	--	1844
3/13/17	210.0	0.20 U	10.0 U	443.0000	--	--	630.0	0.2000 U	0 U	0.05 U	376	5.97	--	1667
9/11/17	243.0	0.20 U	10.0 U	456.0000	--	--	1300.0	0.2000 U	0 U	0.05 U	349	5.99	--	1849
4/4/18	250.0	0.20 U	10.4	533.0000	--	--	521.0	0.2000 U	0 U	0.05 U	68	6.00	--	1898



**Gude Landfill**  
**Monitoring Location MW-6 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
9/4/18	250.0	0.20 U	10.0 U	545.0000	--	--	545.0	0.2000 U	0 U	0.05 U	18	5.99	--	2243
4/12/19	245.0	0.10 U	12.0	618.0000	--	0	653.0 B	0.2000 U	--	--	87	5.86	6.03	2830
8/1/19	241.0	0.10 U	3.0 U	564.0000	--	0	470.0	1.7000	--	--	61	5.62	6.12	2
3/12/20	130.0	0.38	12.7	455.0000	--	0	484.0	0.2300	--	--	44	5.71	6.07	2554
8/5/20	211.0	0.10 U	10.9	503.0000	--	1	525.0	0.2000 U	--	--	107	6.00	5.90	1982

Gude Landfill

Monitoring Location MW-6 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS								
7/28/10	--	--	3.0 U	--	--	--	--	--
9/21/10	--	54.1	--	--	1080	--	5300.0	--
4/20/11	--	58.7	--	--	868	--	1540.0	--
9/8/11	--	45.2	--	--	1036	--	--	--
3/7/12	--	43.4	--	--	976	--	--	--
9/13/12	--	47.4	--	--	776	--	--	--
3/18/13	--	48.0	--	12.6	644	--	--	270.0
9/16/13	--	--	--	16.6	--	--	4.6	4.8
9/17/13	--	50.0	--	16.2	878	--	--	2651.0
9/19/13	--	--	--	14.6	--	--	3400.0	114.0
3/6/14	--	62.1	--	14.4	718	--	--	589.0
9/2/14	--	70.6	--	17.0	96	--	--	129.6
3/19/15	--	77.2	--	16.8	926	--	--	11.2
8/31/15	--	70.7	--	19.3	1022	--	--	6.4
3/17/16	--	70.1	--	15.3	978	--	--	2.2
9/1/16	--	7.5	--	26.2	98	--	--	15.6
3/13/17	--	53.8	--	15.3	1060	--	--	9.0
9/11/17	--	57.4	--	17.8	1140	--	--	3.5
4/4/18	--	40.2	--	14.8	1080	--	--	7.1

Gude Landfill

Printed 10/24/20

Monitoring Location MW-6 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/4/18	--	34.1	--	26.9	1140	--	--	0.0
4/12/19	2390	41.4	--	17.3	1860	45.7	8.2	5.5
8/1/19	2110	41.1	--	19.2	1440	28.1	4.8	1.7
3/12/20	1840	39.8	--	17.1	1180	23.4	45.7	17.1
8/5/20	2160	37.2	--	20.9	1140	91.1	21.0	29.8

**Gude Landfill**  
**Monitoring Location MW-6 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/28/10	0.0010 U	0.0031	0.2800	0.0010 U	0.0010 U	--	0.0085	0.2000	0.0110	--	0.0037	--
9/21/10	0.0050 U	0.0050 U	0.6750	0.0070	0.0082	62.6	0.0533	0.3300	0.1430	69.4	0.0519	57.900
4/20/11	0.0050 U	0.0050 U	0.3030	0.0050 U	0.0050 U	73.9	0.0050 U	0.3220	0.0157	2.9	0.0101	54.900
9/8/11	0.0050 U	0.0050 U	0.3190	0.0050 U	0.0066	70.3	0.0050 U	0.2160	0.0106	0.9	0.0110	53.500
3/7/12	0.0050 U	0.0050 U	0.3650	0.0050 U	0.0062	78.7	0.0073	0.3740	0.0243	4.8	0.0137	56.300
9/13/12	0.0050 U	0.0050 U	0.4330	0.0050 U	0.0089	72.8	0.0229	0.3430	0.0414	17.9	0.0095	53.100
3/18/13	0.0050 U	0.0050 U	0.2590	0.0050 U	0.0050 U	76.3	0.0051	0.3880	0.0133	3.5	0.0050 U	54.900
9/16/13	0.0050 U	0.0025	0.3000	0.0010 U	0.0010 U	76.0	0.0010 U	0.3400	0.0026	10.0 U	0.0010 U	54.000
9/17/13	0.0050 U	0.0050 U	0.3010	0.0050 U	0.0050 U	79.8	0.0064	0.2630	0.0149	7.7	0.0054	56.700
9/19/13	0.0050 U	0.0320	0.3900	0.0013	0.0010 U	78.0	0.0120	0.3500	0.0540	17.0	0.0250	58.000
3/6/14	0.0050 U	0.0050 U	0.3000	0.0050 U	0.0050 U	80.1	0.0118	0.2810	0.0157	8.7	0.0055	56.300
9/2/14	0.0050 U	0.0050 U	0.3930	0.0050 U	0.0050 U	90.2	0.0050 U	0.4660	0.0091	2.4	0.0050 U	65.000
3/19/15	0.0020 U	0.0020 U	0.3100	0.0020 U	0.0040 U	83.0	0.5700	0.5900	0.0170	8.3	0.0020 U	60.000
8/31/15	0.0010 U	0.0011	0.3200	0.0010 U	0.0005 U	84.0	0.5300	0.4600	0.0110	3.3	0.0010 U	59.000
3/17/16	0.0020 U	0.0020 U	0.3320	0.0020 U	0.0023	95.9	0.0020 U	0.5540	0.0033	27.3	0.0020 U	71.500
9/1/16	0.0020 U	0.0020 U	0.0158	0.0020 U	0.0020 U	19.5	0.0031	0.0020 U	0.0020 U	0.2 U	0.0020 U	2.820
3/13/17	0.0020 U	0.0031	0.3170	0.0020 U	0.0020 U	96.7	0.0034	0.5700	0.0216	0.8	0.0020 U	66.900
9/11/17	0.0020 U	0.0020 U	0.4180	0.0020 U	0.0024	109.0	0.0032	0.5970	0.0031	0.7	0.0020 U	79.300
4/4/18	0.0020 U	0.0200 U	0.3500	0.0020 U	0.0020 U	93.1	0.0200 U	0.5680	0.0200 U	3.9	0.0020 U	70.200
9/4/18	0.0020 U	0.0020 U	0.3400	0.0020 U	0.0020 U	98.6	0.0037	0.7860	0.0337	22.7	0.0020 U	72.600
4/12/19	0.0010 U	0.0010 U	0.4630	0.0010 U	0.0010 U	110.0	0.0059	0.8380	0.0072	4.8 B	0.0010 U	91.700
8/1/19	0.0010 U	0.0010 U	0.3820	0.0010 U	0.0010 U	75.6	0.0066	0.7070	0.0029	3.6	0.0010 U	68.400
3/12/20	0.0010 U	0.0010 U	0.3580	0.0010 U	0.0010 U	76.5	0.0018	0.7340	0.0050	14.1	0.0010 U	71.200

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-6 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/5/20	0.0010 U	0.0010 U	0.4150	0.0010 U	0.0010 U	82.7	0.0035	0.7600	0.0034	3.7	0.0010 U	77.300

**Gude Landfill**  
**Monitoring Location MW-6 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/28/10	--	0.0002 U	0.0330	--	0.0012	0.0010 U	--	0.0010 U	0.0050 U	0.0067	0.0680
9/21/10	38.900	0.0002 U	0.1540	4.92	0.0429	0.0050 U	56.2	0.0050 U	--	0.0531	0.5000
4/20/11	54.000	0.0004	0.0339	2.94	0.0113	0.0050 U	63.1	0.0050 U	--	0.0050 U	0.0516
9/8/11	37.630	0.0002 U	--	3.71	0.0098	0.0050 U	61.2	0.0001	--	0.0050 U	0.0487
3/7/12	44.400	0.0002 U	0.0339	3.63	0.0096	0.0050 U	70.9	0.0050 U	--	0.0054	0.0616
9/13/12	37.600	0.0002 U	0.0342	4.19	0.0151	0.0050 U	59.6	0.0050 U	--	0.0149	0.1360
3/18/13	48.000	0.0002 U	0.0344	3.77	0.0084	0.0050 U	65.3	0.0050 U	--	0.0050 U	0.0515
9/16/13	40.000	0.0002 U	--	3.50	0.0006 J	0.0010 U	65.0	0.0010 U	--	0.0050 U	2.0000 U
9/17/13	40.000	0.0002 U	0.0349	4.00	0.0133	0.0050 U	66.0	0.0050 U	--	0.0050 U	0.0561
9/19/13	37.000	0.0001 J	--	3.80	0.0038	0.0010 U	65.0	0.0010 U	--	0.0140	0.1400
3/6/14	44.700	0.0002 U	0.0409	3.35	0.0084	0.0050 U	64.3	0.0050 U	--	0.0051	0.0627
9/2/14	54.300	0.0002 U	0.0532	3.97	0.0084	0.0050 U	89.8	0.0050 U	--	0.0050 U	0.0456
3/19/15	48.000	0.0002 U	0.5700	3.50	0.3500 U	0.0100 U	76.0	0.0020 U	--	0.0100 U	0.0480
8/31/15	50.000	0.0002 U	0.5600	3.90	0.0050 U	0.0010 U	95.0	0.0010 U	--	0.0050 U	0.0450
3/17/16	58.100	0.0002 U	0.0511	3.29	0.0057	0.0001 U	101.0	0.0010 U	--	0.0020 U	0.0253
9/1/16	0.013	0.0002 U	0.0020 U	1.17	0.0020 U	0.0020 U	10.4	0.0010 U	--	0.0020 U	0.0036
3/13/17	45.500	0.0002 U	0.0684	4.08	0.0021	0.0020 U	107.0	0.0010 U	--	0.0023	0.0424
9/11/17	61.200	0.0002 U	0.0654	4.22	0.0057	0.0020 U	123.0	0.0010 U	--	0.0020 U	0.0337
4/4/18	65.600	0.0002 U	0.0576	5.52	0.0200 U	0.0020 U	106.0	0.0010 U	--	0.0200 U	0.0279
9/4/18	3.470	0.0002 U	0.0776	2.35	0.0020 U	0.0020 U	105.0	0.0010 U	--	0.0020 U	0.0501
4/12/19	75.000	0.0001	0.1000	4.89	0.0118	0.0010 U	199.0	0.0010 U	--	0.0010 U	0.0574 B
8/1/19	64.800	0.0001 U	0.0811	4.35	0.0097	0.0010 U	171.0	0.0010 U	--	0.0010 U	0.0381 B
3/12/20	52.400	0.0001 U	0.0808	4.33	0.0055	0.0010 U	167.0	0.0010 U	--	0.0010 U	0.0385

**Gude Landfill**  
**Monitoring Location MW-6 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
8/5/20	56.900	0.0001 U	0.0885	4.57	0.0069	0.0010 U	174.0	0.0010 U	--	0.0010 U	0.0450

Gude Landfill

Printed 10/24/20

Monitoring Location MW-6 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	7.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0	2.00	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	6.86	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	1.84 J	2.37
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	3.30	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.9	1.00 U	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	2.79	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.15
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	2.03	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.68	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	1.24	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U



Gude Landfill

Printed 10/24/20

Monitoring Location MW-6 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/28/10	--	1.00 U	10.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00	--	1.00 U
9/21/10	2.00 U	2.00 U	6.64	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	0.74 J	2.00 U	2.00 U
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/7/12	--	--	7.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/13/12	1.00 U	1.00 U	6.24	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	4.53	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	3.99	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	4.99	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	4.42	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	3.27	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	3.92	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	4.43	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	11.60	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.34	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	8.84	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	3.63	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	3.38	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	2.78	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	2.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/12/19	--	1.00 U	4.30	1.00 U	5.00 U	--	5.00 U	--	5 U	13.70	--	5 U	1 U	1.00 U	--	1.00 U
8/1/19	--	1.00 U	4.80	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/12/20	--	1.00 U	4.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/5/20	--	1.00 U	5.90	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	7.00	1.0	1.00 U	1.00 U	--	41.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	5.77	2.0 U	2.00 U	2.00 U	--	33.20	2.00 U	2.00 U	2.00 U	--	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.10	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.10	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.30	1.0 U	1.00 U	1.00 U	--	23.00	1.00 U	1.00 U	--	--	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.56	1.0 U	1.00 U	1.00 U	--	18.10	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.03	1.0 U	1.00 U	1.00 U	--	15.30	1.00 U	1.00 U	1.00 U	--	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.03	1.0 U	1.00 U	1.00 U	--	15.60	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.94	1.0 U	1.00 U	1.00 U	--	11.20	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.19	1.0 U	1.00 U	1.00 U	--	11.40	1.00 U	1.00 U	1.00 U	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.17	1.0 U	1.00 U	1.00 U	--	11.20	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.90	1.0 U	1.00 U	1.00 U	--	12.90	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	8.02	1.0 U	1.00 U	1.00 U	--	13.40	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.75	1.0 U	1.00 U	1.00 U	--	7.86	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.67	1.0 U	1.00 U	1.00 U	--	10.30	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.82	1.0 U	1.00 U	1.00 U	--	6.92	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.60	1.0 U	1.00 U	1.00 U	--	6.41	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.03	1.0 U	1.00 U	1.00 U	--	3.71	1.00 U	1.00 U	1.00 U	--	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.30	1.0 U	1.00 U	1.00 U	1 U	4.70	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	8.40	1.0 U	1.00 U	1.00 U	1 U	5.50	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.20	1.0 U	1.00 U	1.00 U	1 U	4.90	1.00 U	1.00 U	--	5 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.50	1.0 U	1.00 U	1.00 U	1 U	4.10	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	5.16	2.00 U	0.56 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/7/12	--	--	--	1.00 U	--	3.30	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/13/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/12/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location MW-6 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/12/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-6 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/28/10	1.00 U	1.00 U	3.00	1.00 U	5.00 U	2.00	1.00 U	1 U	7.00	--
9/21/10	2.00 U	2.00 U	2.63	2.00 U	2.00 U	1.19 U	2.00 U	2 U	2.00 U	--
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/8/11	1.00 U	1.00 U	2.20	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/7/12	1.00 U	1.00 U	1.20	1.00 U	5.00 U	1.00	1.00 U	1 U	2.00	1 U
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/13	1.00 U	1.00 U	1.01	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.65	--
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.26	1.00 U	5 U	1.00 U	--
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.62	--
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.38	--
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.42	--
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.41	--
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.30	--



Gude Landfill

Printed 10/24/20

Monitoring Location MW-6 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-7 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.066	0.005 U	0.005 U	48.6	0.01 U	0.01 U	0.008	0.5 J	0.005 U	25.9	0.721	0.0002 U
9/20/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.005 U	0.060	0.005 U	0.005 U	41.3	0.01 U	0.01	0.009	0.5	0.005 U	26.0	0.647	0.0002 U
9/17/12	0.005 U	0.005 U	0.067	0.005 U	0.005 U	47.8	0.01 U	0.01	0.010	0.3	0.005 U	27.3	0.439	0.0002 U
3/28/13	0.005 U	0.005 U	0.062	0.005 U	0.005 U	47.1	0.01 U	0.01 U	0.017	0.4	0.005 U	26.5	1.280	0.0002 U
9/23/13	0.005 U	0.005 U	0.069	0.005 U	0.005 U	43.7	0.01 U	0.01 U	0.011	0.3	0.005 U	26.4	1.190	0.0002 U
3/12/14	0.005 U	0.005 U	0.067	0.005 U	0.005 U	55.5	0.01 U	0.01	0.005 U	2.5	0.005 U	29.2	1.700	0.0002 U
9/8/14	0.005 U	0.005 U	0.101	0.005 U	0.005 U	84.0	0.01 U	0.01	0.007	2.0	0.005 U	45.1	5.740	0.0002 U
3/18/15	0.002 U	0.002 U	0.057	0.002 U	0.004 U	41.0	0.01 U	0.01 U	0.007 J	0.0 U	0.002 U	23.0	0.930	0.0002 U
8/31/15	0.001 U	0.001 U	0.063	0.001 U	0.001 U	50.0	0.01 U	0.01 J	0.007	0.0 U	0.001 U	25.0	2.800	0.0002 U
3/23/16	0.002 U	0.002 U	0.091	0.002 U	0.002 U	90.1	0.00	0.01	0.003	3.1	0.002 U	46.4	1.800	0.0002 U
9/6/16	0.002 U	0.002 U	0.061	0.002 U	0.002 U	40.2	0.00	0.01	0.003	1.3	0.002 U	22.1	1.450	0.0002 U
3/6/17	0.002 U	0.002	0.092	0.002 U	0.002 U	98.4	0.01	0.01	0.012	1.8	0.002 U	50.8	1.850	0.0002 U
9/12/17	0.002 U	0.002 U	0.109	0.002 U	0.002 U	125.0	0.00	0.01	0.003	4.4	0.002 U	62.2	3.550	0.0002 U
3/27/18	0.002 U	0.002	0.105	0.002 U	0.002 U	138.0	0.02	0.01	0.003	1.4	0.002 U	67.3	3.260	0.0002 U
9/11/18	0.002 U	0.002	0.083	0.002 U	0.002 U	92.2	0.02	0.01	0.002 U	2.7	0.002 U	42.0	2.620	0.0002 U

Gude Landfill

Monitoring Location MW-7 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01	3.3	0.005 U	0.01 U	31.3	0.005 U	0.01 U	0.009
9/20/11	0.01	--	--	--	--	--	--	--
3/13/12	0.01	3.1	0.005 U	0.01 U	22.8	0.005 U	0.01 U	0.012
9/17/12	0.01	3.6	0.005 U	0.01 U	24.8	0.005 U	0.01 U	0.010
3/28/13	0.01	4.1	0.005 U	0.01 U	22.8	0.005 U	0.01 U	0.011
9/23/13	0.01	2.9	0.005 U	0.01 U	23.5	0.005 U	0.01 U	0.010
3/12/14	0.01	3.6	0.005 U	0.01 U	25.8	0.005 U	0.01 U	0.009
9/8/14	0.01	4.2	0.005 U	0.01 U	49.2	0.005 U	0.01 U	0.010
3/18/15	0.01 U	2.9	0.035 U	0.01 U	29.0	0.002 U	0.01 U	0.010 U
8/31/15	0.01 U	3.5	0.005 U	0.00 U	40.0	0.001 U	0.01 U	0.007
3/23/16	0.01	3.9	0.008	0.00 U	48.0	0.001 U	0.00 U	0.003
9/6/16	0.01	2.9	0.002 U	0.00 U	33.3	0.001 U	0.00 U	0.007
3/6/17	0.01	4.1	0.004	0.00 U	49.4	0.001 U	0.00 U	0.019
9/12/17	0.01	4.4	0.003	0.00 U	52.6	0.001 U	0.00 U	0.005
3/27/18	0.01	4.7	0.005	0.00 U	51.8	0.001 U	0.00	0.005
9/11/18	0.01	4.0	0.004	0.00 U	42.9	0.001 U	0.00	0.003

**Gude Landfill**  
**Monitoring Location MW-7 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1				
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	90.0	0.20 U	12.6	131.0000	--	--	650.0	10.3500	10	0.05 U	--	--	--	--
4/26/11	42.0	0.20 U	15.0	119.0000 J	--	--	219.0	14.5900	15	0.05 U	--	--	--	--
9/20/11	69.0	0.20 U	15.1	117.0000	--	--	241.0	18.4500	19	0.05 U	--	--	--	--
3/13/12	42.0	0.20 U	14.6	70.3000	--	--	198.0	29.0900	29	0.05 U	--	--	--	--
9/17/12	31.0	0.20 U	10.0 U	108.0000	--	--	216.0	22.6500	23	0.05 U	--	--	--	--
3/28/13	68.0	0.20 U	21.2	118.0000	--	0	238.0	15.0122	15	0.09	461	5.79	--	693
9/23/13	48.0	0.20 U	10.0 U	117.0000	--	0	212.0	15.7500	16	0.05 U	375	5.57	--	580
3/12/14	139.0	0.27	23.7	123.0000	--	0	294.0	6.2060	--	--	234	5.55	--	668
9/8/14	259.0	0.38	35.8	166.0000	--	1	418.0	2.1700	2	0.05 U	75	6.27	--	1005
3/18/15	62.0	0.20 U	10.0 U	124.0000	--	3	210.0	4.2000	4	0.05 U	387	5.81	--	174
8/31/15	128.0	0.20 U	25.2	128.0000	--	2	266.0	5.3800	5	0.05 U	318	5.93	--	640
3/23/16	254.0	0.20 U	34.4	194.0000	--	0	440.0	1.0400	1	0.05 U	154	5.95	--	979
9/6/16	105.0	0.20 U	10.0 U	85.1000	--	--	114.0	1.8400	2	0.05 U	249	5.41	--	540
3/6/17	290.0	0.20 U	25.0	189.0000	--	--	126.0	0.2540	0	0.05 U	249	5.95	--	921
9/12/17	384.0	1.32	40.8	222.0000	--	0	450.0	0.3170	0	0.05 U	95	6.15	--	1417
3/27/18	395.0	0.32	37.6	235.0000	--	--	700.0	0.3670	0	0.05 U	31	6.07	--	1293
9/11/18	260.0	0.46	27.2	167.0000	--	--	416.0	0.2000 U	0 U	0.05 U	-35	5.87	--	1025
4/16/19	284.0	1.05	48.0	118.0000	--	0	284.0	0.2000 U	--	--	-81	5.96	6.31	1109

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-7 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
8/5/19	344.0	1.24	51.9	188.0000	--	0	400.0	0.2000 U	--	--	-36	5.70	6.14	1
3/3/20	131.0	0.30	18.7	69.4000	--	0	199.0	2.4200	--	--	214	5.71	5.90	641
8/5/20	200.0	0.97	56.6	162.0000	--	1	360.0	0.2000 U	--	--	103	6.03	6.10	933

Gude Landfill

Monitoring Location MW-7 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS								
8/2/10	--	--	0.0 U	--	--	--	--	--
9/15/10	--	13.1	--	--	648	--	11.1	--
4/26/11	--	12.4 J	--	--	552	--	6.1	--
9/20/11	--	11.7	--	--	788	--	--	--
3/13/12	--	5.6	--	--	528	--	--	--
9/17/12	--	11.0	--	--	560	--	--	--
3/28/13	--	5.7	--	13.9	420	--	--	0.8
9/23/13	--	7.8	--	17.0	524	--	--	3.7
3/12/14	--	10.5	--	16.7	442	--	--	6.1
9/8/14	--	21.0	--	16.6	650	--	--	10.1
3/18/15	--	21.4	--	11.9	398	--	--	0.0
8/31/15	--	26.8	--	27.5	392	--	--	0.0
3/23/16	--	21.2	--	17.0	600	--	--	0.0
9/6/16	--	34.9	--	23.2	358	--	--	0.0
3/6/17	--	23.8	--	15.4	578	--	--	1.6
9/12/17	--	19.2	--	18.2	779	--	--	8.7
3/27/18	--	22.1	--	14.6	779	--	--	8.2
9/11/18	--	27.3	--	18.5	582	--	--	7.7
4/16/19	863	21.8	--	19.7	572	5.7	18.1	9.8

**Gude Landfill**

Printed 10/24/20

**Monitoring Location MW-7 - General Parameters**

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/5/19	1210	34.1	--	17.7	800	6.2	10.1	0.1
3/3/20	610	66.0	--	18.9	362	2.4	1.4	1.9
8/5/20	1120	54.3	--	20.6	646	20.4	10.9	43.8

**Gude Landfill**  
**Monitoring Location MW-7 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
8/2/10	0.0010 U	0.0012	0.0800	0.0010 U	0.0010 U	--	0.0018	0.0160	0.0180	--	0.0010 U	--
9/15/10	0.0050 U	0.0050 U	0.0666	0.0050 U	0.0050 U	46.7	0.0050 U	0.0066	0.0160	0.7	0.0050 U	23.200
4/26/11	0.0050 U	0.0050 U	0.0674	0.0050 U	0.0050 U	46.5 J	0.0050 U	0.0050 U	0.0100	0.5	0.0050 U	28.100 J
9/20/11	0.0050 U	0.0050 U	0.0636	0.0100 U	0.0050 U	55.2	0.0050 U	0.0050 U	0.0084	0.5 U	0.0050 U	31.500
3/13/12	0.0050 U	0.0050 U	0.0580	0.0050 U	0.0050 U	41.7	0.0050 U	0.0065	0.0115	0.5	0.0050 U	25.700
9/17/12	0.0050 U	0.0050 U	0.0631	0.0050 U	0.0050 U	44.5	0.0050 U	0.0073	0.0130	0.4	0.0050 U	24.700
3/28/13	0.0050 U	0.0050 U	0.0635	0.0050 U	0.0050 U	48.9	0.0050 U	0.0050 U	0.0172	0.4	0.0050 U	27.600
9/23/13	0.0050 U	0.0050 U	0.0732	0.0050 U	0.0050 U	45.4	0.0050 U	0.0050 U	0.0110	0.3	0.0050 U	27.700
3/12/14	0.0050 U	0.0050 U	0.0659	0.0050 U	0.0050 U	55.6	0.0050 U	0.0100	0.0111	3.3	0.0050 U	28.700
9/8/14	0.0050 U	0.0050 U	0.1020	0.0050 U	0.0050 U	81.6	0.0050 U	0.0103	0.0148	2.2	0.0050 U	44.100
3/18/15	0.0020 U	0.0020 U	0.0580	0.0020 U	0.0040 U	40.0	0.0100 U	0.0100 U	0.0068 J	0.0 U	0.0020 U	23.000
8/31/15	0.0010 U	0.0010 U	0.0690	0.0010 U	0.0005 U	57.0	0.0050 U	0.0094	0.0096	0.1	0.0010 U	29.000
3/23/16	0.0050 U	0.0050 U	0.1030	0.0050 U	0.0050 U	98.0	0.0050 U	0.0136	0.0121	3.8	0.0050 U	53.400
9/6/16	0.0020 U	0.0020 U	0.0599	0.0020 U	0.0020 U	40.2	0.0020 U	0.0121	0.0051	1.6	0.0020 U	21.900
3/6/17	0.0020 U	0.0025	0.0921	0.0020 U	0.0020 U	98.1	0.0068	0.0159	0.0129	2.4	0.0020 U	50.600
9/12/17	0.0050 U	0.0050 U	0.1100	0.0050 U	0.0050 U	127.0	0.0050 U	0.0132	0.0100	6.3	0.0050 U	64.700
3/27/18	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	148.0	0.0050 U	0.0114	0.0071	2.0	0.0050 U	70.800
9/11/18	0.0050 U	0.0050 U	0.0918	0.0050 U	0.0050 U	93.2	0.0050 U	0.0153	0.0095	4.1	0.0050 U	44.500
4/16/19	0.0010 U	0.0010 U	0.2250	0.0010 U	0.0010 U	52.0	0.0035	0.0443	0.0082	19.5	0.0010 U	37.400
8/5/19	0.0010 U	0.0010 U	0.1460	0.0010 U	0.0010 U	73.6	0.0012	0.0764	0.0264	4.3	0.0010 U	52.400
3/3/20	0.0010 U	0.0010 U	0.0669	0.0010 U	0.0010 U	38.2	0.0047	0.0235	0.0038	0.2	0.0010 U	25.200
8/5/20	0.0010 U	0.0010 U	0.1060	0.0010 U	0.0010 U	69.0	0.0037	0.0886	0.0219	1.8	0.0010 U	45.500



**Gude Landfill**  
**Monitoring Location MW-7 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
8/2/10	--	0.0002 U	0.0099	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0130
9/15/10	2.010	0.0002 U	0.0157	3.16	0.0050 U	0.0050 U	33.4	0.0050 U	--	0.0050 U	0.0246
4/26/11	0.761	0.0002 U	0.0064	3.81	0.0050 U	0.0050 U	32.6 J	0.0050 U	--	0.0050 U	0.0119
9/20/11	0.562	0.0002 U	--	3.36	0.0050 U	0.0050 U	31.7	0.0050 U	--	0.0050 U	0.0106
3/13/12	0.681	0.0002 U	0.0059	3.09	0.0050 U	0.0050 U	22.7	0.0050 U	--	0.0050 U	0.0148
9/17/12	0.340	0.0002 U	0.0077	3.80	0.0050 U	0.0050 U	23.1	0.0050 U	--	0.0050 U	0.0140
3/28/13	1.300	0.0002 U	0.0069	4.23	0.0050 U	0.0050 U	24.1	0.0050 U	--	0.0050 U	0.0098
9/23/13	1.220	0.0002 U	0.0068	2.82	0.0050 U	0.0050 U	24.7	0.0050 U	--	0.0050 U	0.0099
3/12/14	1.880	0.0002 U	0.0077	3.81	0.0050 U	0.0050 U	25.7	0.0050 U	--	0.0050 U	0.0096
9/8/14	5.810	0.0002 U	0.0089	4.17	0.0050 U	0.0050 U	48.2	0.0050 U	--	0.0050 U	0.0118
3/18/15	0.950	0.0002 U	0.0110 U	2.80	0.0350 U	0.0100 U	28.0	0.0020 U	--	0.0100 U	0.0100 U
8/31/15	2.200	0.0002 U	0.0100 U	3.80	0.0050 U	0.0010 U	43.0	0.0010 U	--	0.0050 U	0.0110
3/23/16	1.830	0.0002 U	0.0086	5.69	0.0050 U	0.0050 U	56.1	0.0050 U	--	0.0050 U	0.0071
9/6/16	1.490	0.0002 U	0.0052	2.94	0.0020 U	0.0020 U	33.1	0.0010 U	--	0.0020 U	0.0071
3/6/17	1.920	0.0002 U	0.0099	4.08	0.0041	0.0020 U	49.4	0.0010 U	--	0.0020 U	0.0147
9/12/17	3.400	0.0002 U	0.0072	4.62	0.0050 U	0.0050 U	55.1	0.0050 U	--	0.0050 U	0.0246
3/27/18	3.180	0.0002 U	0.0102	5.22	0.0050 U	0.0050 U	55.9	0.0050 U	--	0.0050 U	0.0308
9/11/18	2.710	0.0002 U	0.0115	4.11	0.0050 U	0.0050 U	43.1	0.0050 U	--	0.0050 U	0.0409
4/16/19	20.100 J	0.0001 U	0.0082	3.99	0.0010 U	0.0010 U	56.0 B	0.0010 U	--	0.0013	0.0056
8/5/19	19.600	0.0001 U	0.0111	4.33	0.0010 U	0.0010 U	67.0	0.0010 U	--	0.0010 U	0.0079 B
3/3/20	2.280	0.0001 U	0.0096	3.22	0.0010 U	0.0010 U	45.0	0.0010 U	--	0.0010 U	0.0065
8/5/20	6.510	0.0001 U	0.0171	4.58	0.0010 U	0.0010 U	65.3	0.0010 U	--	0.0033	0.0152

Gude Landfill

Printed 10/24/20

Monitoring Location MW-7 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.37	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.27	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.74	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.56	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-7 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	9.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	2.00	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	0.73 J	2.00 U	2.00 U	2.00 U	2 U	4.74	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/13/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	1.69	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	7.54	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	10.60	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.10	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.22	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	3.39	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	18.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	28.40	--	5 U	--	1.29	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	2.94	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	14.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	20.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.05	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	18.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.07	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	8.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/16/19	--	1.00 U	9.40	1.00 U	5.00 U	--	5.00 U	--	5 U	39.00	--	5 U	1 U	1.10	--	1.00 U
8/5/19	--	1.00 U	12.30	1.00 U	5.00 U	--	5.00 U	--	5 U	12.70	--	5 U	1 U	1.20	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/3/20	--	1.00 U	2.90	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/5/20	--	1.00 U	7.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	3.00	1.0 U	1.00 U	1.00 U	--	31.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.58 J	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	5.12	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.38	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.45	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	6.65	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.35	1.0 U	1.00 U	1.00 U	--	5.18	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.05	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.54	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.31	1.0 U	1.00 U	1.00 U	--	8.40	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	7.77	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.06	1.0 U	1.00 U	1.00 U	--	8.46	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.49	1.0 U	1.00 U	1.00 U	--	9.23	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.24	1.0 U	1.00 U	1.00 U	--	9.76	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.11	1.0 U	1.00 U	1.00 U	--	7.71	1.00 U	1.00 U	1.00 U	--	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.0 U	1.00 U	1.00 U	1 U	8.80	1.00 U	1.00 U	--	5 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.20	1.0 U	1.00 U	1.00 U	1 U	6.00	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.90	1.00 U	1.00 U	--	5 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.0 U	1.00 U	1.00 U	1 U	2.00	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.70	--	--	--	--	--	1.00 U	--
3/13/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.79	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.36	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.98	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.84	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-7 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-7 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	1.00	1.00 U	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1 U	5.00	--
9/15/10	0.54 J	2.00 U	2.00 U	2.00 U	2.00 U	0.52 J	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	11.00	1.00 U	1 U	1.00 U	1 U
9/20/11	3.00	1.00 U	1.00 U	1.00 U	5.00 U	3.00	1.00 U	1 U	1.00 U	1 U
3/13/12	3.20	1.00 U	1.00 U	1.00 U	5.00 U	1.30	1.00 U	1 U	1.00 U	1 U
9/17/12	3.56	1.00 U	1.00 U	1.00 U	5.00 U	3.58	1.00 U	5 U	1.00 U	--
3/28/13	5.26	1.00 U	1.00 U	1.00 U	5.00 U	2.21	1.00 U	5 U	1.00 U	--
9/23/13	4.39	1.00 U	1.00 U	1.00 U	5.00 U	2.62	1.00 U	5 U	1.00 U	--
3/12/14	4.64	1.00 U	1.00 U	1.00 U	5.00 U	2.37	1.00 U	5 U	1.00 U	--
9/8/14	1.97	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.09	--
3/18/15	3.79	1.00 U	1.00 U	1.00 U	5.00 U	1.37	1.00 U	5 U	1.00 U	--
8/31/15	2.22	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	2.34	1.00 U	1.00 U	1.00 U	5.00 U	2.17	1.00 U	5 U	1.25	--
9/6/16	1.02	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	2.02	1.00 U	1.00 U	1.00 U	5.00 U	2.10	1.00 U	5 U	1.00 U	--
9/12/17	2.54	42.40	1.00 U	1.00 U	5.00 U	2.85	1.00 U	5 U	1.24	--
3/27/18	2.07	1.00 U	1.00 U	1.00 U	5.00 U	2.49	1.00 U	5 U	1.07	--
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.31	1.00 U	5 U	1.05	--
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.90	--
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	2.40	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-7 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-8 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.169	0.005 U	0.005 U	120.0	0.01 U	0.01 U	0.009	1.1	0.005 U	84.1	0.183	0.0002 U
9/19/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.124	0.005 U	0.005 U	71.7	0.01 U	0.01 U	0.005 U	0.4	0.005 U	42.8	0.005 U	0.0002 U
9/17/12	0.005 U	0.005 U	0.121	0.005 U	0.005 U	67.8	0.01 U	0.01 U	0.005 U	0.3	0.005 U	41.3	0.342	0.0002 U
3/28/13	0.005 U	0.005 U	0.118	0.005 U	0.005 U	64.7	0.01 U	0.01 U	0.013	0.5	0.005 U	31.4	0.032	0.0002 U
9/23/13	0.005 U	0.005 U	0.147	0.005 U	0.005 U	46.7	0.01 U	0.01 U	0.005	0.3	0.005 U	27.1	0.170	0.0002 U
3/12/14	0.005 U	0.005 U	0.110	0.005 U	0.005 U	86.4	0.01 U	0.01 U	0.005 U	0.5	0.005 U	47.5	0.005 U	0.0002 U
9/8/14	0.005 U	0.005 U	0.121	0.005 U	0.005 U	62.1	0.01 U	0.01 U	0.006	0.4	0.005 U	36.4	0.005 U	0.0002 U
3/18/15	0.002 U	0.002 U	0.089	0.002 U	0.004 U	88.0	0.01 J	0.01 U	0.002 J	0.0 U	0.002 U	48.0	0.005 U	0.0002 U
8/31/15	0.001 U	0.001 U	0.092	0.001 U	0.001 U	57.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	30.0	0.010 U	0.0002 U
3/23/16	0.002 U	0.002 U	0.084	0.002 U	0.002 U	98.5	0.00 U	0.00 U	0.002 U	0.7	0.002 U	53.4	0.004	0.0002 U
8/29/16	0.002 U	0.002 U	0.080	0.002 U	0.002 U	58.6	0.00 U	0.00 U	0.003	0.3	0.002 U	34.2	0.004	0.0002 U
3/6/17	0.002 U	0.002 U	0.078	0.002 U	0.002 U	78.6	0.00	0.00 U	0.007	0.5	0.002 U	42.7	0.105	0.0002 U
3/27/18	0.002 U	0.002 U	0.041	0.002 U	0.002 U	36.7	0.00	0.00 U	0.002 U	0.2 U	0.002 U	18.3	0.005	0.0002 U
9/11/18	0.002 U	0.002 U	0.096	0.002 U	0.002 U	93.3	0.01	0.00 U	0.002	0.1 U	0.002 U	45.9	0.006	0.0002 U

Gude Landfill

Monitoring Location MW-8 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.01	20.1	0.005 U	0.01 U	130.0	0.005 U	0.01 U	0.008
9/19/11	0.01	--	--	--	--	--	--	--
3/8/12	0.01	11.6	0.005 U	0.01 U	113.0	0.005 U	0.01 U	0.005 U
9/17/12	0.08	11.5	0.005	0.01 U	114.0	0.005 U	0.01 U	0.016
3/28/13	0.01 U	13.7	0.005 U	0.01 U	88.8	0.005 U	0.01 U	0.007
9/23/13	0.02	8.2	0.005 U	0.01 U	99.5	0.005 U	0.01 U	0.031
3/12/14	0.01	13.0	0.005 U	0.01 U	81.5	0.005 U	0.01 U	0.006
9/8/14	0.01 U	11.0	0.005 U	0.01 U	88.8	0.005 U	0.01 U	0.009
3/18/15	0.01 J	11.0	0.035 U	0.01 U	72.0	0.002 U	0.01 U	0.010 U
8/31/15	0.01 U	9.8	0.005 U	0.00 U	85.0	0.001 U	0.01 U	0.005 U
3/23/16	0.00	12.0	0.003	0.00 U	86.3	0.001 U	0.00 U	0.002 U
8/29/16	0.00	9.4	0.002	0.00 U	78.5	0.001 U	0.00 U	0.003
3/6/17	0.01	10.4	0.003	0.00 U	83.8	0.001 U	0.00	0.010
3/27/18	0.00	8.4	0.003	0.00 U	63.7	0.001 U	0.00 U	0.006
9/11/18	0.00	12.8	0.003	0.00 U	70.3	0.001 U	0.00	0.002

**Gude Landfill**  
**Monitoring Location MW-8 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1				
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/14/10	190.0	0.73	10.0 U	190.0000	--	--	270.0	7.6300	8	0.05 U	--	--	--	--
4/25/11	480.0	1.94	26.3	207.0000	--	--	600.0	13.8500	14	0.05 U	--	--	--	--
9/19/11	209.0	0.20 U	6.2	210.0000	--	--	99.0	5.6500	6	0.05 U	--	--	--	--
3/8/12	166.0	0.20 U	11.5	198.0000	--	--	332.0	14.7900	15	0.05 U	--	--	--	--
9/17/12	178.0	0.20 U	10.0 U	223.0000	--	--	344.0	9.6100	10	0.05 U	--	--	--	--
3/28/13	175.0	0.20 U	10.0 U	172.0000	--	1	302.0	4.7500	5	0.05 U	306	6.57	--	1
9/23/13	89.0	0.20 U	10.0 U	197.0000	--	1	218.0	5.2100	5	0.05 U	264	6.39	--	908
3/12/14	233.0	0.20 U	16.0	142.0000	--	8	412.0	14.5500	--	--	290	6.61	--	1121
9/8/14	187.0	0.20 U	11.8	160.0000	--	1	316.0	9.4300	9	0.05 U	262	6.81	--	965
3/18/15	266.0	0.20 U	12.5	134.0000	--	10	444.0	11.5900	12	0.05 U	312	7.83	--	951
8/31/15	144.0	0.20 U	10.2	151.0000	--	3	276.0	9.5300	10	0.05 U	315	6.55	--	879
3/23/16	289.0	0.20 U	10.0 U	133.0000	--	0	468.0	6.7500	7	0.05 U	206	7.14	--	1123
8/29/16	157.0	0.20 U	13.2	102.0000	--	--	298.0	8.2200	8	0.05 U	284	6.64	--	895
3/6/17	216.0	0.20 U	10.0 U	135.0000	--	--	400.0	6.8400	7	0.05 U	253	6.90	--	932
9/18/17	128.0	0.20 U	10.0 U	128.0000	--	--	260.0	6.8200	7	0.05 U	322	7.03	--	733
3/27/18	45.4	0.20 U	10.0 U	125.0000	--	--	170.0	7.4700	7	0.05 U	148	7.18	--	618
9/11/18	346.0	0.20 U	14.6	91.7000	--	--	412.0	5.8100	6	0.05 U	89	6.75	--	1111
4/16/19	660.0	1.99	38.0	112.0000	--	0	670.0	0.2000 U	--	--	39	6.88	7.05	1814

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-8 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)
8/2/19	612.0	1.05	18.9	126.0000	--	0	596.0	0.2000 U	--	--	29	6.45	6.96	1
3/10/20	423.0	0.10 U	16.9	88.7000	--	3	526.0	14.1000	--	--	110	6.87	6.99	1195
8/5/20	257.0	0.10 U	29.8	19.9000	--	1	517.0	3.2500	--	--	71	6.96	6.91	1183

## Gude Landfill

Printed 10/24/20

### Monitoring Location MW-8 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS								
7/30/10	--	--	3.0 U	--	--	--	--	--
9/14/10	--	55.0	--	--	696	--	1227.0	--
4/25/11	--	68.5	--	--	1136	--	22.7	--
9/19/11	--	72.6	--	--	1016	--	--	--
3/8/12	--	67.4	--	--	776	--	--	--
9/17/12	--	69.0	--	--	712	--	--	--
3/28/13	--	95.1	--	14.6	642	--	--	8.7
9/23/13	--	57.6	--	16.8	520	--	--	--
3/12/14	--	136.0	--	14.3	740	--	--	35.2
9/8/14	--	92.7	--	15.6	624	--	--	11.6
3/18/15	--	120.0	--	8.5	656	--	--	7.5
8/31/15	--	69.3	--	17.3	483	--	--	2.9
3/23/16	--	169.0	--	14.8	742	--	--	0.0
8/29/16	--	111.0	--	19.0	588	--	--	1.5
3/6/17	--	130.0	--	12.9	643	--	--	19.4
9/18/17	--	84.6	--	18.8	528	--	--	410.0
3/27/18	--	53.3	--	14.3	417	--	--	11.8
9/11/18	--	103.0	--	16.9	684	--	--	0.0
4/16/19	1480	60.8	--	10.8	917	2.7	3.2	3.1



Gude Landfill

Monitoring Location MW-8 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/2/19	1470	64.4	--	14.7	868	2.3 J	2.6	0.0
3/10/20	1250	59.6	--	16.1	762	11.6	2.9	7.0
8/5/20	1360	56.1	--	18.3	791	539.0	13.7	20.5

**Gude Landfill**  
**Monitoring Location MW-8 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/30/10	0.0010 U	0.0041	0.2900	0.0032	0.0010 U	--	0.0710	0.1100	0.0780	--	0.0270	--
9/14/10	0.0050 U	0.0050 U	0.2730	0.0050 U	0.0050 U	59.0	0.0215	0.0816	0.0540	15.1	0.0100	36.900
4/25/11	0.0050 U	0.0050 U	0.1770	0.0050 U	0.0050 U	114.0 J	0.0050 U	0.0050 U	0.0145	1.7	0.0050 U	90.900
9/19/11	0.0050 U	0.0050 U	0.1090	0.0050 U	0.0050 U	76.2	0.0050 U	0.0050 U	0.0067	0.7	0.0050 U	50.200
3/8/12	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	70.1	0.0050 U	0.0050 U	0.0081	1.2	0.0050 U	40.500
9/17/12	0.0050 U	0.0050 U	0.4190	0.0050 U	0.0050 U	67.4	0.0654	0.0838	0.1310	46.3	0.0270	39.600
3/28/13	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	67.5	0.0050 U	0.0050 U	0.0134	0.5	0.0050 U	33.900
9/23/13	0.0050 U	0.0050 U	0.1560	0.0050 U	0.0050 U	46.9	0.0221	0.0050 U	0.0107	1.6	0.0050 U	27.100
3/12/14	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	87.3	0.0050 U	0.0050 U	0.0069	1.3	0.0050 U	46.000
9/8/14	0.0050 U	0.0050 U	0.1200	0.0050 U	0.0050 U	64.0	0.0050 U	0.0050 U	0.0061	0.5	0.0050 U	37.700
3/18/15	0.0020 U	0.0020 U	0.0890	0.0020 U	0.0040 U	88.0	0.0140	0.0100 U	0.0029 J	0.0 U	0.0020 U	48.000
8/31/15	0.0010 U	0.0010 U	0.0940	0.0010 U	0.0005 U	56.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U	32.000
3/23/16	0.0020 U	0.0020 U	0.0856	0.0020 U	0.0020 U	97.3	0.0020 U	0.0020 U	0.0023	0.7	0.0020 U	52.600
8/29/16	0.0020 U	0.0020 U	0.0804	0.0020 U	0.0020 U	56.8	0.0020 U	0.0020 U	0.0026	0.4	0.0020 U	32.800
3/6/17	0.0050 U	0.0050 U	0.0942	0.0050 U	0.0050 U	79.2	0.0050 U	0.0064	0.0179	2.1	0.0050 U	41.800
9/18/17	0.0050 U	0.0050 U	0.1760	0.0050 U	0.0050 U	56.2	0.0290	0.0368	0.0574	22.5	0.0107	32.200
3/27/18	0.0050 U	0.0050 U	0.0476	0.0050 U	0.0050 U	38.7	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	18.800
9/11/18	0.0050 U	0.0050 U	0.0989	0.0050 U	0.0050 U	91.1	0.0050 U	0.0050 U	0.0050 U	0.1	0.0050 U	44.800
4/16/19	0.0010 U	0.0010 U	0.1320	0.0010 U	0.0010 U	109.0	0.0021	0.0184	0.0054	1.1	0.0010 U	96.700
8/2/19	0.0010 U	0.0010 U	0.1460	0.0010 U	0.0010 U	99.6	0.0010 U	0.0204	0.0034	0.4	0.0010 U	84.200
3/10/20	0.0010 U	0.0010 U	0.1000	0.0010 U	0.0010 U	88.9	0.0036	0.0010 U	0.0012	0.1	0.0010 U	73.800
8/5/20	0.0010 U	0.0010 U	0.1220	0.0010 U	0.0010 U	87.5	0.0026	0.0014	0.0040	0.5	0.0010 U	72.600

Shaded concentrations represent MCL/GWPS exceedances

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Monitoring Location MW-8 - Total Metals

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/30/10	--	0.0002 U	0.1000	--	0.0007 J	0.0010 U	--	0.0010 U	0.0050 U	0.0470	0.2800
9/14/10	3.460	0.0002 U	0.0534	10.40	0.0050 U	0.0050 U	104.0	0.0050 U	--	0.0366	0.1600
4/25/11	0.144	0.0002 U	0.0082	19.10 J	0.0050 U	0.0050 U	139.0 J	0.0050 U	--	0.0050 U	0.0143
9/19/11	0.090	0.0002 U	--	14.00	0.0050 U	0.0050 U	124.0	0.0050 U	--	0.0050 U	0.0109
3/8/12	0.010	0.0002 U	0.0056	11.80	0.0050 U	0.0050 U	106.0	0.0050 U	--	0.0050 U	0.0104
9/17/12	2.360	0.0002 U	0.0155	12.90	0.0076	0.0050 U	102.0	0.0100 U	--	0.0874	0.2200
3/28/13	0.034	0.0002 U	0.0050 U	13.60	0.0050 U	0.0050 U	95.7	0.0050 U	--	0.0050 U	0.0071
9/23/13	0.182	0.0002 U	0.0104	8.00	0.0050 U	0.0050 U	100.0	0.0050 U	--	0.0050 U	0.0311
3/12/14	0.011	0.0002 U	0.0075	12.70	0.0050 U	0.0050 U	78.8	0.0050 U	--	0.0050 U	0.0085
9/8/14	0.011	0.0002 U	0.0050 U	10.80	0.0050 U	0.0050 U	91.5	0.0050 U	--	0.0050 U	0.0093
3/18/15	0.005 U	0.0002 U	0.0110 U	11.00	0.0350 U	0.0100 U	71.0	0.0020 U	--	0.0100 U	0.0100 U
8/31/15	0.010 U	0.0002 U	0.0100 U	9.70	0.0050 U	0.0010 U	85.0	0.0010 U	--	0.0050 U	0.0050 U
3/23/16	0.005	0.0002 U	0.0036	11.90	0.0023	0.0020 U	87.0	0.0010 U	--	0.0020 U	0.0020 U
8/29/16	0.024	0.0002 U	0.0024	8.84	0.0020 U	0.0020 U	69.8	0.0010 U	--	0.0020 U	0.0032
3/6/17	0.192	0.0002 U	0.0097	10.70	0.0050 U	0.0050 U	82.6	0.0050 U	--	0.0060	0.0180
9/18/17	1.160	0.0002 U	0.0373	9.48	0.0050 U	0.0050 U	72.2	0.0050 U	--	0.0351	0.1120
3/27/18	0.020	0.0002 U	0.0050 U	8.66	0.0050 U	0.0050 U	68.3	0.0050 U	--	0.0050 U	0.0326
9/11/18	0.007	0.0002 U	0.0050 U	13.30	0.0050 U	0.0050 U	69.5	0.0050 U	--	0.0050 U	0.0050 U
4/16/19	1.340	0.0001 U	0.0069	12.90	0.0010 U	0.0010 U	84.8 B	0.0010 U	--	0.0010	0.0061
8/2/19	1.270	0.0001 U	0.0060	12.50	0.0010 U	0.0010 U	90.5	0.0010 U	--	0.0010 U	0.0040 U
3/10/20	0.005	0.0001 U	0.0044	11.80	0.0010 U	0.0010 U	82.2	0.0010 U	--	0.0010 U	0.0040 U
8/5/20	0.038	0.0001 U	0.0039	13.20	0.0010 U	0.0010 U	80.2	0.0010 U	--	0.0015	0.0040 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-8 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.51 J	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-8 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/30/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	1.41 J	--	2 U	--	2.00 U	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	8.60	--	5 U	--	1.00 U	--	1.00 U
9/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/17/12	1.00 U	1.00 U	4.03	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	1.45	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	10.20	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/16/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.10	--	5 U	1 U	1.00 U	--	1.00 U
8/2/19	--	1.00 U	1.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/10/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/5/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	0.90 J	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.51 J	2.0 U	2.00 U	1.98 J	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/25/11	1.00 U	1.00 U	1.00 U	1.10	1.00 U	1.00 U	1.0 U	1.00 U	3.70	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.88	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.50	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U



**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
7/30/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/14/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/25/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/2/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location MW-8 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/10/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-8 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	2.80	1.00 U	1 U	1.00 U	1 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	5.37	1.00 U	5 U	1.00 U	--
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.24	1.00 U	5 U	1.00 U	--
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location MW-8 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-9 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.051	0.005 U	0.005 U	12.0	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	5.2	0.289	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.051	0.005 U	0.005 U	9.9	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	5.8	0.157	0.0002 U
9/12/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
4/1/13	0.005 U	0.005 U	0.036	0.005 U	0.005 U	40.4	0.01 U	0.01 U	0.012	0.3	0.005 U	24.0	0.140	0.0002 U
9/17/13	0.005 U	0.005 U	0.051	0.005 U	0.005 U	10.8	0.01 U	0.01 U	0.006	0.2 U	0.005 U	6.7	0.123	0.0002 U
3/13/14	0.005 U	0.005 U	0.183	0.005 U	0.005 U	11.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	6.3	0.115	0.0002 U
9/10/14	0.005 U	0.005 U	0.052	0.005 U	0.005 U	7.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.9	0.050	0.0002 U
3/24/15	0.002 U	0.002 U	0.046	0.002 U	0.004 U	2.3	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	2.6	0.027	0.0002 U
9/8/15	0.000 J	0.000 J	0.039	0.000 J	0.000 J	6.5	0.00 J	0.00 J	0.000 J	0.0 U	0.000 J	4.5	0.035	0.0002 U
3/23/16	0.002 U	0.002 U	0.070	0.002 U	0.002 U	5.4	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	4.2	0.030	0.0002 U
9/6/16	0.002 U	0.002 U	0.042	0.002 U	0.002 U	7.1	0.00	0.00 U	0.002 U	0.2 U	0.002 U	4.9	0.029	0.0002 U
3/13/17	0.002 U	0.002 U	0.044	0.002 U	0.002 U	9.0	0.00	0.00 U	0.007	0.2 U	0.002 U	5.1	0.028	0.0002 U
9/19/17	0.002 U	0.002 U	0.044	0.002 U	0.002 U	9.6	0.00	0.00 U	0.002 U	0.2 U	0.002 U	5.1	0.016	0.0002 U
3/29/18	0.002 U	0.002 U	0.039	0.002 U	0.002 U	9.4	0.01	0.00 U	0.002 U	0.2 U	0.002 U	5.6	0.019	0.0002 U
9/11/18	0.002 U	0.002 U	0.044	0.002 U	0.002 U	7.0	0.00	0.00 U	0.002 U	0.1 U	0.002 U	5.1	0.032	0.0002 U

Gude Landfill

Monitoring Location MW-9 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01	1.3	0.005 U	0.01 U	3.6	0.005 U	0.01 U	0.008
9/8/11	0.01 U	--	--	--	--	--	--	--
3/8/12	0.01	1.1	0.005 U	0.01 U	3.7	0.005 U	0.01 U	0.011
9/12/12	0.03	--	--	--	--	--	--	--
4/1/13	0.02	3.1	0.005 U	0.01 U	32.6	0.005 U	0.01 U	0.006
9/17/13	0.02	1.0	0.005 U	0.01 U	4.2	0.005 U	0.01 U	0.023
3/13/14	0.01	0.2 U	0.005 U	0.01 U	58.6	0.005 U	0.01 U	0.015
9/10/14	0.01 U	1.0	0.005 U	0.01 U	10.4	0.005 U	0.01 U	0.017
3/24/15	0.01 U	1.1	0.035 U	0.01 U	56.0	0.002 U	0.01 U	0.007 U
9/8/15	0.00 J	0.9	0.000 J	0.00 J	8.4	0.000 J	0.00 J	0.006
3/23/16	0.00	1.1	0.002 U	0.00 U	39.9	0.001 U	0.00 U	0.009
9/6/16	0.00	0.7	0.002 U	0.00 U	5.7	0.001 U	0.00 U	0.007
3/13/17	0.00 U	0.8	0.002 U	0.00 U	4.2	0.001 U	0.00 U	0.007
9/19/17	0.00 U	0.7	0.002 U	0.00 U	3.4	0.001 U	0.00 U	0.007
3/29/18	0.00	0.8	0.002 U	0.00 U	3.8	0.001 U	0.00 U	0.012
9/11/18	0.00	0.9	0.002 U	0.00 U	5.2	0.001 U	0.00 U	0.014

**Gude Landfill**  
**Monitoring Location MW-9 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	64.0	0.20 U	10.0 U	11.9000	--	--	80.0	1.2500	1	0.05 U	--	--	--	--	--
4/21/11	110.0	0.20 U	10.0 U	10.9000 U	--	--	48.0	1.2500	1	0.05 U	--	--	--	--	--
9/8/11	44.0	0.20 U	10.0 U	12.3000	--	--	140.0	1.1400	1	0.05 U	--	--	--	--	--
3/8/12	34.0	0.20 U	10.0 U	12.1000	--	--	50.0	1.4700	1	0.05 U	--	--	--	--	--
9/12/12	37.0	0.20 U	10.0 U	13.6000	--	--	84.0	1.1800	1	0.05 U	--	--	--	--	--
4/1/13	33.0	0.20 U	10.0 U	12.9000	--	3	46.0	1.4500	1	0.05 U	514	5.42	--	120	--
9/17/13	28.0	0.20 U	10.0 U	13.9000	--	3	48.0	1.4900	2	0.05 U	450	5.05	--	70	--
3/13/14	35.0	0.20 U	10.0 U	152.0000	--	4	68.0	1.3600	--	--	468	5.07	--	580	--
9/10/14	30.0	0.20 U	10.0 U	15.7000	--	5	46.0	1.2600	1	0.05 U	377	5.50	--	108	--
3/24/15	28.0	0.20 U	10.0 U	70.3000	--	5	36.0	0.8390	1	0.05 U	407	5.70	--	270	--
9/8/15	28.0	0.20 U	10.0 U	13.7000	--	--	46.0	1.2100	1	0.05 U	382	5.16	--	102	--
3/23/16	51.0	0.20 U	10.0 U	63.3000	--	0	124.0	1.1200	1	0.05 U	432	5.57	--	238	--
9/6/16	38.0	0.20 U	10.0 U	13.7000	--	--	72.0	1.2700	1	0.05 U	400	4.97	--	112	--
3/13/17	46.0	0.20 U	10.0 U	15.3000	--	--	72.0	0.9410	1	0.05 U	475	5.30	--	99	--
9/19/17	45.0	0.20 U	10.0 U	16.3000	--	--	62.0	1.0700	1	0.05 U	451	5.23	--	113	--
3/29/18	25.7	0.20 U	10.0 U	15.9000	--	--	100.0	1.4200	1	0.05 U	313	5.25	--	102	--
9/11/18	22.0	0.20 U	10.0 U	16.8000	--	5	42.3	1.4500	1	0.05 U	242	5.15	--	110	--
4/16/19	20.1	0.10 U	9.0	22.9000	--	5	34.7	1.4000	--	--	205	5.26	5.65	159	123



**Gude Landfill**  
**Monitoring Location MW-9 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/8/19	18.6	0.12	4.2	44.1000	--	6	77.1	1.7000	--	--	269	4.76	5.48	0	199
3/17/20	17.8	0.10 U	5.2	22.0000	--	6	72.0	1.3100	--	--	229	5.05	5.49	186	128
8/6/20	11.0	0.10 U	18.4	19.9000	--	5	49.5	1.2800	--	--	325	5.79	5.23	117	117

**Gude Landfill**  
**Monitoring Location MW-9 - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
8/2/10	--	0.0 U	--	--	--	--	--
9/23/10	4.0 U	--	--	168	--	1160.0	--
4/21/11	4.0 U	--	--	172	--	398.0	--
9/8/11	4.0 U	--	--	116	--	--	--
3/8/12	4.0 U	--	--	80	--	--	--
9/12/12	4.0 U	--	--	112	--	--	--
4/1/13	4.0 U	--	17.3	196	--	--	446.0
9/17/13	4.0 U	--	16.7	96	--	--	1235.0
3/13/14	4.0 U	--	15.6	370	--	--	644.0
9/10/14	4.0 U	--	19.8	72	--	--	500.0
3/24/15	4.0 U	--	7.1	188	--	--	154.3
9/8/15	4.0 U	--	22.1	34	--	--	18.8
3/23/16	4.0 U	--	23.2	147	--	--	40.9
9/6/16	4.0 U	--	35.1	91	--	--	16.3
3/13/17	4.0 U	--	12.3	124	--	--	19.9
9/19/17	4.0 U	--	23.2	94	--	--	269.0
3/29/18	4.0 U	--	15.2	55	--	--	3.6
9/11/18	4.0 U	--	20.9	81	--	--	17.9
4/16/19	1.0 U	--	19.8	84	51.3	28.2	8.3

**Gude Landfill**  
**Monitoring Location MW-9 - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/8/19	1.0 U	--	18.9	136	26.2	159.0	126.0
3/17/20	1.0 U	--	20.6	85	473.0	165.0	92.7
8/6/20	1.0 U	--	23.0	94	141.0	160.0	419.1

**Gude Landfill**  
**Monitoring Location MW-9 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
8/2/10	0.0010 U	0.0038	0.2000	0.0007 J	0.0010 U	--	0.1400	0.0280	0.0350	--	0.0260	--
9/23/10	0.0050 U	0.0050 U	0.3340	0.0050 U	0.0050 U	15.8	0.0588	0.0341	0.0339	48.6	0.0373	24.400
4/21/11	0.0050 U	0.0050 U	0.1560	0.0050 U	0.0050 U	14.9	0.0320	0.0160	0.0174	16.7 J	0.0132	13.200
9/8/11	0.0050 U	0.0050 U	0.1720	0.0050 U	0.0050 U	12.4	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0124	6.900
3/8/12	0.0050 U	0.0050 U	0.0682	0.0050 U	0.0050 U	10.5	0.0090	0.0050 U	0.0083	3.1	0.0050 U	7.220
9/12/12	0.0050 U	0.0050 U	1.3300	0.0050 U	0.0050 U	17.5	0.0384	0.0603	0.0369	26.2	0.0544	15.900
4/1/13	0.0050 U	0.0050 U	0.0722	0.0050 U	0.0050 U	12.0	0.0270	0.0057	0.0196	6.4	0.0050 U	8.440
9/17/13	0.0050 U	0.0050 U	0.1150	0.0050 U	0.0050 U	11.0	0.0263	0.0087	0.0170	14.7	0.0109	11.800
3/13/14	0.0050 U	0.0050 U	0.3380	0.0050 U	0.0050 U	14.8	0.0363	0.0138	0.0177	22.2	0.0137	15.700
9/10/14	0.0050 U	0.0050 U	0.6880	0.0055	0.0050 U	10.1	0.1280	0.0684	0.0508	86.7	0.0648	38.200
3/24/15	0.0020 U	0.0020 U	0.0690	0.0020 U	0.0040 U	4.6	0.0044 J	0.0100 U	0.0043 J	3.0	0.0018 J	4.500
9/8/15	0.0010 U	0.0010 U	0.0430	0.0010 U	0.0005 U	6.4	0.0050 U	0.0050 U	0.0050 U	0.8	0.0010 U	4.700
3/23/16	0.0050 U	0.0050 U	0.0777	0.0050 U	0.0050 U	8.4	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	6.340
9/6/16	0.0020 U	0.0020 U	0.0434	0.0020 U	0.0020 U	6.8	0.0024	0.0020 U	0.0020 U	0.2 U	0.0020 U	4.880
3/13/17	0.0020 U	0.0020 U	0.0445	0.0020 U	0.0020 U	9.3	0.0031	0.0020 U	0.0020 U	0.2 U	0.0020 U	5.090
9/19/17	0.0050 U	0.0050 U	0.1850	0.0050 U	0.0050 U	12.4	0.0356	0.0124	0.0348	22.8	0.0146	14.300
3/29/18	0.0020 U	0.0020 U	0.0405	0.0020 U	0.0020 U	9.7	0.0045	0.0020 U	0.0062	0.2 U	0.0020 U	5.610
9/11/18	0.0050 U	0.0050 U	0.0458	0.0050 U	0.0050 U	8.2	0.0050 U	0.0050 U	0.0050 U	0.2	0.0050 U	5.310
4/16/19	0.0010 U	0.0010 U	0.0527	0.0010 U	0.0010 U	4.8	0.0131	0.0030	0.0053	4.2	0.0031	5.520
8/8/19	0.0010 U	0.0010 U	0.1140	0.0010 U	0.0010 U	10.1	0.0360	0.0076	0.0078 B	11.3	0.0079	12.600
3/17/20	0.0010 U	0.0012	0.1530	0.0012	0.0010 U	6.2	0.0520	0.0198	0.0174	22.6	0.0137	13.700
8/6/20	0.0010 U	0.0010 U	0.0878	0.0010 U	0.0010 U	5.7	0.0126	0.0074	0.0073	8.5	0.0064	8.560

Gude Landfill

Monitoring Location MW-9 - Total Metals

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
8/2/10	--	0.0002 U	0.1100	--	0.0010 U	0.0010 U	--	0.0007 J	0.0050 U	0.0630	0.1300
9/23/10	1.800	0.0002 U	0.0553	17.80	0.0050 U	0.0050 U	7.2	0.0050 U	--	0.0541	0.1890
4/21/11	0.689	0.0002 U	0.0274	7.41	0.0050 U	0.0050 U	3.8	0.0050 U	--	0.0285	0.0777
9/8/11	0.196	0.0004	--	1.54	0.0050 U	0.0050 U	3.9	0.0050 U	--	0.0050 U	0.0166
3/8/12	0.242	0.0002 U	0.0050 U	2.09	0.0050 U	0.0050 U	4.3	0.0050 U	--	0.0050 U	0.0242
9/12/12	3.190	0.0004	--	9.63	0.0088	0.0050 U	3.8	0.0050 U	--	0.0306	0.1570
4/1/13	0.273	0.0002 U	0.0095	3.45	0.0050 U	0.0050 U	8.0	0.0050 U	--	0.0076	0.0363
9/17/13	0.415	0.0002 U	0.0058	5.40	0.0050 U	0.0050 U	4.1	0.0050 U	--	0.0167	0.0871
3/13/14	0.626	0.0002 U	0.0318	8.61	0.0050 U	0.0050 U	87.1	0.0050 U	--	0.0258	0.0867
9/10/14	2.560	0.0002 U	0.1090	30.30	0.0078	0.0050 U	9.4	0.0050 U	--	0.1170	0.3980
3/24/15	0.088	0.0002 U	0.0052 J	1.80	0.0350 U	0.0100 U	50.0	0.0020 U	--	0.0100 U	0.0220
9/8/15	0.023	0.0002 U	0.0100 U	0.99	0.0050 U	0.0010 U	7.9	0.0010 U	--	0.0050 U	0.0094
3/23/16	0.056	0.0002 U	0.0050 U	1.60	0.0050 U	0.0050 U	41.8	0.0050 U	--	0.0050 U	0.0171
9/6/16	0.055	0.0002 U	0.0025	0.79	0.0020 U	0.0020 U	5.8	0.0010 U	--	0.0020 U	0.0087
3/13/17	0.028	0.0002 U	0.0020 U	0.77	0.0020 U	0.0020 U	4.1	0.0010 U	--	0.0020 U	0.0060
9/19/17	0.588	0.0002 U	0.0259	8.29	0.0050 U	0.0050 U	3.9	0.0050 U	--	0.0296	0.1150
3/29/18	0.018	0.0002 U	0.0022	0.81	0.0020 U	0.0020 U	3.9	0.0010 U	--	0.0020 U	0.0187
9/11/18	0.035	0.0002 U	0.0050 U	1.00	0.0050 U	0.0050 U	6.2	0.0050 U	--	0.0050 U	0.0132
4/16/19	0.115	0.0001 U	0.0105	1.95	0.0018	0.0010 U	13.1 B	0.0010 U	--	0.0058	0.0410
8/8/19	0.357	0.0002	0.0275	4.20	0.0022	0.0010 U	7.6	0.0010 U	--	0.0140	0.0842
3/17/20	0.733	0.0001 U	0.0433	8.30	0.0030	0.0010 U	5.1	0.0010 U	--	0.0272	0.2020
8/6/20	0.346	0.0001 U	0.0118	3.12	0.0023	0.0010 U	4.6	0.0010 U	--	0.0119	0.0795

Gude Landfill

Printed 10/24/20

Monitoring Location MW-9 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-9 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-9 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	22.00	--	5 U	--	1.00	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/16/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	6.70	--	5 U	1 U	1.00 U	--	1.00 U
8/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U



**Gude Landfill**  
**Monitoring Location MW-9 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/17/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/6/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-9 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.94	--	2.00 U
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-9 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-9 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/21/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/19/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-9 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/17/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/6/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-9 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	14.00	1.00 U	1.00 U	1.00 U	5.00 U	0.70 J	1.00 U	1 U	1.00 U	--
9/23/10	8.72	2.00 U	2.00 U	2.00 U	2.00 U	0.73 J	2.00 U	2 U	2.00 U	--
4/21/11	5.00	3.00	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1
9/8/11	16.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/8/12	14.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	13.60	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	16.40	1.00 U	1.00 U	1.00 U	5.00 U	1.11	1.00 U	5 U	1.00 U	--
9/17/13	12.90	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	16.50	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.94	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/15	5.10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/15	17.10	1.00 U	1.00 U	1.00 U	5.00 U	2.03	1.00 U	5 U	1.00 U	--
3/23/16	9.16	1.00 U	1.00 U	1.00 U	5.00 U	1.04	1.00 U	5 U	1.00 U	--
9/6/16	9.71	1.00 U	1.00 U	1.00 U	5.00 U	1.17	1.00 U	5 U	1.00 U	--
3/13/17	12.20	1.00 U	1.00 U	1.00 U	5.00 U	1.09	1.00 U	5 U	1.00 U	--
9/19/17	11.90	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/29/18	10.20	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	7.38	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/16/19	8.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/8/19	4.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-9 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/17/20	4.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/6/20	5.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-10 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.052	0.005 U	0.005 U	42.4	0.01 U	0.01 U	0.005 U	1.1	0.005 U	22.5	2.620	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.068	0.005 U	0.005 U	15.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	7.7	0.027	0.0002 U
9/12/12	0.005 U	0.005 U	0.080	0.005 U	0.005 U	19.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	9.6	0.027	0.0002 U
4/1/13	0.005 U	0.005 U	0.059	0.005 U	0.005 U	16.6	0.01 U	0.01 U	0.011	0.2 U	0.005 U	6.9	0.019	0.0002 U
9/24/13	0.005 U	0.005 U	0.084	0.005 U	0.005 U	19.6	0.01 U	0.01 U	0.007	0.2 U	0.005 U	10.3	0.027	0.0002 U
3/13/14	0.005 U	0.005 U	0.074	0.005 U	0.005 U	17.4	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	9.1	0.019	0.0002 U
9/10/14	0.005 U	0.005 U	0.521	0.005 U	0.005 U	50.0	0.01 U	0.01 U	0.006	0.3	0.005 U	23.8	0.038	0.0002 U
3/24/15	0.002 U	0.002 U	0.052	0.002 U	0.004 U	14.0	0.01 U	0.01 U	0.001 U	0.0 U	0.002 U	6.5	0.013	0.0002 U
9/8/15	0.001 U	0.001 U	0.066	0.001 U	0.001 U	17.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	6.9	0.016	0.0002 U
3/23/16	0.002 U	0.002 U	0.049	0.002 U	0.002 U	15.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	6.5	0.008	0.0002 U
9/6/16	0.002 U	0.002 U	0.075	0.002 U	0.002 U	15.7	0.00	0.00 U	0.003	0.6	0.002 U	7.0	0.031	0.0002 U
3/9/17	0.002 U	0.002 U	0.067	0.002 U	0.002 U	15.6	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	6.5	0.007	0.0002 U
9/19/17	0.002 U	0.002 U	0.063	0.002 U	0.002 U	14.8	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	5.9	0.008	0.0002 U
4/5/18	0.002 U	0.002 U	0.047	0.002 U	0.002 U	12.8	0.00	0.00 U	0.002 U	0.1 U	0.002 U	5.5	0.004	0.0002 U
9/12/18	0.002 U	0.002 U	0.021	0.002 U	0.002 U	7.3	0.00 U	0.00 U	0.002	0.1	0.002 U	4.4	0.012	0.0002 U



Gude Landfill

Printed 10/24/20

Monitoring Location MW-10 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01	2.8	0.005 U	0.01 U	17.5	0.005 U	0.01 U	0.006
9/8/11	0.01	--	--	--	--	--	--	--
3/8/12	0.01	1.1	0.005 U	0.01 U	9.7	0.005 U	0.01 U	0.011
9/12/12	0.02	1.4	0.005 U	0.01 U	11.3	0.005 U	0.01 U	0.012
4/1/13	0.01	1.1	0.005 U	0.01 U	11.8	0.005 U	0.01 U	0.011
9/24/13	0.06	1.7	0.005 U	0.01 U	12.0	0.005 U	0.01 U	0.016
3/13/14	0.01 U	1.1	0.005 U	0.01 U	11.1	0.005 U	0.01 U	0.056
9/10/14	0.01	3.3	0.005 U	0.01 U	91.2	0.005 U	0.01 U	0.019
3/24/15	0.01 U	1.0	0.035 U	0.01 U	8.7	0.002 U	0.01 U	0.028
9/8/15	0.00 U	1.1	0.005 U	0.00 U	9.2	0.001 U	0.01 U	0.004 U
3/23/16	0.00	1.0	0.002 U	0.00 U	8.8	0.001 U	0.00 U	0.012
9/6/16	0.00	1.1	0.002 U	0.00 U	8.6	0.001 U	0.00	0.011
3/9/17	0.00	0.9	0.002 U	0.00 U	8.1	0.001 U	0.00	0.005
9/19/17	0.00	1.0	0.002 U	0.00 U	7.8	0.001 U	0.00 U	0.007
4/5/18	0.00	0.9	0.002 U	0.00 U	8.1	0.001 U	0.00 U	0.011
9/12/18	0.00 U	1.0	0.002 U	0.00 U	7.5	0.001 U	0.00 U	0.024

**Gude Landfill**  
**Monitoring Location MW-10 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	100.0	0.20 U	10.0 U	6.7500	--	--	110.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/26/11	75.0	0.20 U	36.6	19.4000 U	--	--	70.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/8/11	78.0	0.20 U	10.0 U	8.0200	--	--	72.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/8/12	65.0	0.20 U	4.4	8.3100	--	--	68.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/12/12	79.0	0.20 U	10.0 U	9.6000	--	--	82.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/1/13	59.0	0.20 U	10.0 U	6.7600	--	3	60.0	0.2000 U	0 U	0.05 U	466	5.95	--	165	--
9/24/13	86.0	0.20 U	10.0 U	7.9500	--	2	90.0	0.2000 U	0 U	0.05 U	436	5.90	--	183	--
3/13/14	68.0	0.20 U	10.0 U	6.9700	--	3	82.0	0.2000 U	--	--	531	5.62	--	148	--
9/10/14	4.6	0.20 U	10.0 U	283.0000	--	6	236.0	3.9100	4	0.05 U	415	5.16	--	984	--
3/24/15	61.0	0.20 U	10.0 U	6.2200	--	4	76.0	0.2000 U	0 U	0.05 U	407	5.95	--	132	--
9/8/15	62.0	0.20 U	10.0 U	8.6800	--	3	70.0	0.2000 U	0 U	0.05 U	347	5.73	--	163	--
3/23/16	50.0	0.20 U	10.0 U	6.2600	--	0	104.0	0.2000 U	0 U	0.05 U	381	6.08	--	135	--
9/6/16	66.0	0.20 U	10.0 U	8.1100	--	--	100.0	0.2000 U	0 U	0.05 U	388	5.70	--	157	--
3/9/17	64.0	0.20 U	10.0 U	6.9900	--	--	76.0	0.2000 U	0 U	0.05 U	395	5.77	--	153	--
9/19/17	80.0	0.20 U	10.0 U	6.1500	--	--	72.0	0.2000 U	0 U	0.05 U	411	6.08	--	162	--
4/5/18	58.1	0.20 U	10.0 U	4.6400	--	--	63.9	0.2000 U	0 U	0.05 U	249	5.82	--	131	--
9/12/18	35.8	0.20 U	10.0 U	2.5000 U	--	--	33.4	0.2000 U	0 U	0.05 U	243	5.59	--	94	--
4/19/19	60.6	0.10 U	5.0	2.8000	--	0	53.9	0.2000 U	--	--	139	5.87	6.07	109	147

**Gude Landfill**  
**Monitoring Location MW-10 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/9/19	31.7	0.10 U	7.0	2.2000	--	1	20.4	0.2000 U	--	--	207	5.64	6.11	0	80
3/16/20	34.5	0.17	3.0 U	2.0000	--	4	51.5	0.1600 J	--	--	176	5.66	6.15	122	97
8/6/20	13.2	0.10 U	26.2	1.0000	--	2	19.0	0.2000 U	--	--	506	6.17	6.06	63	53

**Gude Landfill**  
**Monitoring Location MW-10 - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
8/2/10	--	0.0 U	--	--	--	--	--
9/23/10	7.6	--	--	148	--	4340.0	--
4/26/11	8.3	--	--	140	--	3140.0	--
9/8/11	7.8	--	--	140	--	--	--
3/8/12	8.0	--	--	116	--	--	--
9/12/12	7.4	--	--	160	--	--	--
4/1/13	8.4	--	14.3	162	--	--	203.0
9/24/13	6.5	--	13.8	142	--	--	1583.0
3/13/14	8.6	--	11.3	144	--	--	114.0
9/10/14	18.8	--	18.3	680	--	--	401.0
3/24/15	11.3	--	9.6	68	--	--	115.5
9/8/15	11.6	--	17.1	73	--	--	37.8
3/23/16	11.2	--	20.9	96	--	--	16.0
9/6/16	11.4	--	25.0	133	--	--	38.0
3/9/17	10.1	--	16.8	138	--	--	36.7
9/19/17	11.1	--	18.6	117	--	--	26.7
4/5/18	10.0	--	9.7	133	--	--	35.6
9/12/18	8.2	--	20.7	58	--	--	65.1
4/19/19	1.0 U	--	13.3	114	11.2	12.9	5.8

**Gude Landfill**  
**Monitoring Location MW-10 - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/9/19	5.2	--	17.0	70	31.7	14.1	8.7
3/16/20	9.7	--	15.0	99	174.0	79.5	76.2
8/6/20	2.0	--	18.1	60	117.0	31.1	95.2

**Gude Landfill**  
**Monitoring Location MW-10 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
8/2/10	0.0010 U	0.0009 J	0.0920	0.0010 U	0.0010 U	--	0.0070	0.0034	0.0190	--	0.0023	--
9/23/10	0.0050 U	0.0050 U	1.4900	0.0050 U	0.0050 U	29.1	0.1250	0.0659	0.1970	201.0	0.0611	78.300
4/26/11	0.0050 U	0.0050 U	0.1240	0.0050 U	0.0050 U	14.2 J	0.0050 U	0.0050 U	0.0123	0.5 U	0.0050 U	9.111
9/8/11	0.0050 U	0.0050 U	0.4140	0.0050 U	0.0050 U	21.2	0.0057	0.0103	0.0292	5.7	0.0153	10.700
3/8/12	0.0050 U	0.0050 U	0.1160	0.0050 U	0.0050 U	16.1	0.0102	0.0052	0.0270	9.0	0.0050 U	9.780
9/12/12	0.0050 U	0.0050 U	0.1570	0.0050 U	0.0050 U	21.1	0.0174	0.0067	0.0283	12.6	0.0050	11.200
4/1/13	0.0050 U	0.0050 U	0.0878	0.0050 U	0.0050 U	17.2	0.0081	0.0050 U	0.0254	5.5	0.0050 U	8.420
9/24/13	0.0050 U	0.0050 U	0.4480	0.0050 U	0.0050 U	23.3	0.0677	0.0308	0.1080	55.7	0.0181	26.400
3/13/14	0.0050 U	0.0050 U	0.1040	0.0050 U	0.0050 U	18.3	0.0050 U	0.0050 U	0.0139	4.3	0.0050 U	9.060
9/10/14	0.0050 U	0.0050 U	0.6820	0.0050 U	0.0050 U	50.6	0.0251	0.0139	0.0313	22.1	0.0185	30.600
3/24/15	0.0020 U	0.0020 U	0.0640	0.0020 U	0.0040 U	15.0	0.0036 J	0.0100 U	0.0051 J	2.0	0.0020 U	7.100
9/8/15	0.0010 U	0.0010 U	0.0710	0.0010 U	0.0005 U	16.0	0.0050 U	0.0050 U	0.0050 U	1.2	0.0010 U	6.900
3/23/16	0.0050 U	0.0050 U	0.0526	0.0050 U	0.0050 U	14.9	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	7.400
9/6/16	0.0020 U	0.0020 U	0.0688	0.0020 U	0.0020 U	15.9	0.0020 U	0.0020 U	0.0020 U	0.4	0.0020 U	6.840
3/9/17	0.0050 U	0.0050 U	0.0784	0.0050 U	0.0050 U	18.3	0.0050 U	0.0050 U	0.0050 U	1.1	0.0050 U	7.800
9/19/17	0.0050 U	0.0050 U	0.0822	0.0050 U	0.0050 U	17.6	0.0050 U	0.0050 U	0.0096	1.2	0.0050 U	7.300
4/5/18	0.0050 U	0.0050 U	0.0652	0.0050 U	0.0050 U	15.0	0.0050 U	0.0050 U	0.0070	0.6	0.0050 U	6.420
9/12/18	0.0050 U	0.0050 U	0.0328	0.0050 U	0.0050 U	7.4	0.0050 U	0.0050 U	0.0159	1.9	0.0050 U	3.610
4/19/19	0.0010 U	0.0010 U	0.0373	0.0010 U	0.0010 U	12.2	0.0011	0.0021	0.0034	0.9	0.0010 U	5.670
8/9/19	0.0010 U	0.0010 U	0.0210	0.0010 U	0.0010 U	4.4	0.0021	0.0010 U	0.0076	0.5	0.0010 U	2.310
3/16/20	0.0010 U	0.0010 U	0.0988	0.0010 U	0.0010 U	8.1	0.0242	0.0062	0.0278	11.2	0.0053	7.570
8/6/20	0.0010 U	0.0010 U	0.0269	0.0010 U	0.0010 U	3.8	0.0046	0.0011	0.0091	1.7	0.0010 U	2.320

**Gude Landfill**  
**Monitoring Location MW-10 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
8/2/10	--	0.0002 U	0.0086	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0180	0.0280
9/23/10	3.590	0.0002 U	0.1110	43.50	0.0085	0.0050 U	12.4	0.0050 U	--	0.1890	0.3370
4/26/11	0.044	0.0002 U	0.0050 U	1.26	0.0050 U	0.0050 U	10.1	0.0050 U	--	0.0050 U	0.1320
9/8/11	0.380	0.0002 U	--	2.12	0.0050 U	0.0050 U	8.3	0.0050 U	--	0.0094	0.0575
3/8/12	0.158	0.0002 U	0.0050 U	2.78	0.0050 U	0.0050 U	8.5	0.0050 U	--	0.0242	0.0335
9/12/12	0.212	0.0002 U	0.0064	3.27	0.0050 U	0.0050 U	9.1	0.0050 U	--	0.0319	0.0444
4/1/13	0.098	0.0002 U	0.0050	2.29	0.0050 U	0.0050 U	12.4	0.0050 U	--	0.0143	0.0272
9/24/13	0.931	0.0002 U	0.0066	11.30	0.0050 U	0.0050 U	9.5	0.0050 U	--	0.1240	0.1900
3/13/14	0.069	0.0002 U	0.0074	1.81	0.0050 U	0.0050 U	9.1	0.0050 U	--	0.0107	0.0606
9/10/14	0.580	0.0002 U	0.0254	6.43	0.0050 U	0.0050 U	90.2	0.0050 U	--	0.0273	0.0898
3/24/15	0.036	0.0002 U	0.0062 J	1.30	0.0350 U	0.0100 U	8.8	0.0020 U	--	0.0055 J	0.0350
9/8/15	0.010 J	0.0002 U	0.0100 U	1.30	0.0050 U	0.0010 U	8.8	0.0010 U	--	0.0050 U	0.0073
3/23/16	0.015	0.0002 U	0.0050 U	1.02	0.0050 U	0.0050 U	9.9	0.0050 U	--	0.0050 U	0.0149
9/6/16	0.021	0.0002 U	0.0039	1.09	0.0020 U	0.0020 U	8.6	0.0010 U	--	0.0029	0.0095
3/9/17	0.024	0.0002 U	0.0054	1.30	0.0050 U	0.0050 U	9.2	0.0050 U	--	0.0050 U	0.0107
9/19/17	0.039	0.0002 U	0.0050 U	1.19	0.0050 U	0.0050 U	9.0	0.0050 U	--	0.0050 U	0.0331
4/5/18	0.024	0.0002 U	0.0050 U	1.03	0.0050 U	0.0050 U	8.9	0.0050 U	--	0.0050 U	0.0421
9/12/18	0.044	0.0002 U	0.0050 U	2.39	0.0050 U	0.0050 U	7.4	0.0050 U	--	0.0050 U	0.0451
4/19/19	0.221	0.0001 U	0.0034	1.43	0.0010 U	0.0010 U	8.1	0.0010 U	--	0.0020	0.1650
8/9/19	0.033	0.0001 U	0.0036 B	1.33	0.0010 U	0.0010 U	5.1	0.0010 U	--	0.0037	0.0456
3/16/20	0.187	0.0001 U	0.0168	2.98	0.0012	0.0010 U	6.6	0.0010 U	--	0.0280	0.0783
8/6/20	0.060	0.0001 U	0.0044	2.63	0.0010 U	0.0010 U	2.8	0.0010 U	--	0.0085	0.0245

Gude Landfill

Printed 10/24/20

Monitoring Location MW-10 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U



Gude Landfill

Printed 10/24/20

Monitoring Location MW-10 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Monitoring Location MW-10 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	24.00	--	5 U	--	1.00 U	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/19/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/9/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-10 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/16/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/6/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-10 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	5.20	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 10/24/20

Monitoring Location MW-10 - Volatile Organic Compounds

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-10 - Volatile Organic Compounds

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/24/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/19/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/19/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/9/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-10 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/16/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/6/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-10 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.99	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/19/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--



Gude Landfill

Printed 10/24/20

Monitoring Location MW-10 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-11A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.026	0.005 U	0.005 U	9.0	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	3.3	0.029	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.026	0.005 U	0.005 U	9.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	3.6	0.015	0.0002 U
9/12/12	0.005 U	0.005 U	0.036	0.005 U	0.005 U	14.6	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	5.2	0.020	0.0002 U
4/1/13	0.005 U	0.005 U	0.026	0.005 U	0.005 U	11.6	0.01 U	0.01 U	0.013	0.2 U	0.005 U	4.0	0.018	0.0002 U
9/24/13	0.005 U	0.005 U	0.034	0.005 U	0.005 U	13.8	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	5.4	0.018	0.0002 U
3/13/14	0.005 U	0.005 U	0.024	0.005 U	0.005 U	8.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	3.6	0.010	0.0002 U
9/10/14	0.005 U	0.005 U	0.033	0.005 U	0.005 U	11.9	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	4.3	0.008	0.0002 U
3/24/15	0.002 U	0.002 U	0.016	0.002 U	0.004 U	5.9	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	2.2	0.007	0.0002 U
9/8/15	0.001 U	0.001 U	0.033	0.001 U	0.001 U	13.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	4.8	0.027	0.0002 U
3/23/16	0.002 U	0.002 U	0.023	0.002 U	0.002 U	7.9	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	2.8	0.008	0.0002 U
9/6/16	0.002 U	0.002 U	0.035	0.002 U	0.002 U	12.2	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	4.6	0.007	0.0002 U
3/9/17	0.002 U	0.002 U	0.035	0.002 U	0.002 U	12.0	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	4.4	0.008	0.0002 U
9/18/17	0.002 U	0.002 U	0.031	0.002 U	0.002 U	11.8	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	4.3	0.006	0.0002 U
4/5/18	0.002 U	0.002 U	0.025	0.002 U	0.002 U	9.1	0.00 U	0.00 U	0.002 U	0.1 U	0.002 U	3.3	0.019	0.0002 U
9/12/18	0.002 U	0.002 U	0.020	0.002 U	0.002 U	39.0	0.00 U	0.00 U	0.002 U	0.1	0.002 U	22.3	0.003	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-11A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01 U	0.7	0.005 U	0.01 U	4.3	0.005 U	0.01 U	0.005
9/8/11	0.02	--	--	--	--	--	--	--
3/8/12	0.03	0.8	0.005 U	0.01 U	5.2	0.005 U	0.01 U	0.009
9/12/12	0.05	0.9	0.005 U	0.01 U	5.9	0.005 U	0.01 U	0.005
4/1/13	0.03	0.9	0.005 U	0.01 U	8.9	0.005 U	0.01 U	0.005 U
9/24/13	0.05	1.0	0.005 U	0.01 U	6.3	0.005 U	0.01 U	0.007
3/13/14	0.01 U	0.6	0.005 U	0.01 U	4.8	0.005 U	0.01 U	0.007
9/10/14	0.01 U	0.7	0.005 U	0.01 U	4.8	0.005 U	0.01 U	0.005
3/24/15	0.01 U	0.5	0.035 U	0.01 U	3.1	0.002 U	0.01 U	0.010 U
9/8/15	0.01 U	0.8	0.005 U	0.00 U	5.4	0.001 U	0.01 U	0.005 U
3/23/16	0.00 U	0.5	0.002 U	0.00 U	3.4	0.001 U	0.00 U	0.002 U
9/6/16	0.00	0.6	0.002 U	0.00 U	5.0	0.001 U	0.00 U	0.002
3/9/17	0.00	0.6	0.002 U	0.00 U	4.9	0.001 U	0.00 U	0.003
9/18/17	0.00	0.7	0.002 U	0.00 U	4.9	0.001 U	0.00 U	0.007
4/5/18	0.00	0.6	0.002 U	0.00 U	4.1	0.001 U	0.00 U	0.006
9/12/18	0.00 U	2.6	0.002 U	0.00 U	28.3	0.001 U	0.00 U	0.003

## Gude Landfill Monitoring Location MW-11A - General Parameters

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	50.0	0.20 U	10.0 U	4.2200	--	--	90.0	1.4774	1	0.01 J	--	--	--	--	--
4/26/11	27.0	0.20 U	10.0 U	10.9000 J	--	--	36.0	1.1000	1	0.05 U	--	--	--	--	--
9/8/11	40.0	0.20 U	10.0 U	4.5200	--	--	54.0	1.9400	2	0.05 U	--	--	--	--	--
3/8/12	33.0	0.20 U	10.0 U	4.1700	--	--	52.0	1.2900	1	0.05 U	--	--	--	--	--
9/12/12	37.0	0.20 U	10.0 U	5.1000	--	--	80.0	2.2500	2	0.05 U	--	--	--	--	--
4/1/13	29.0	0.20 U	10.0 U	4.9900	--	6	46.0	1.8700	2	0.05 U	472	5.78	--	111	--
9/24/13	33.0	0.20 U	10.0 U	5.1400	--	4	60.0	2.5700	3	0.05 U	437	5.72	--	112	--
3/13/14	16.2	0.20 U	10.0 U	4.2100	--	8	200.0	1.0900	--	--	489	5.54	--	77	--
9/10/14	31.0	0.20 U	10.0 U	4.9700	--	6	58.0	2.3400	2	0.05 U	409	5.76	--	101	--
3/24/15	23.0	0.20 U	10.0 U	4.8700	--	8	44.0	1.2200	1	0.05 U	306	5.70	--	57	--
9/8/15	37.0	0.20 U	10.0 U	7.0200	--	--	54.0	3.5700	4	0.05 U	360	5.53	--	126	--
3/23/16	25.0	0.20 U	10.0 U	6.5600	--	6	88.0	1.9900	2	0.05 U	399	5.80	--	97	--
9/6/16	33.0	0.20 U	10.0 U	7.7100	--	4	84.0	3.4100	3	0.05 U	426	5.51	--	119	--
3/9/17	35.0	0.20 U	10.0 U	7.9800	--	--	70.0	3.3000	3	0.05 U	452	5.39	--	112	--
9/18/17	30.0	0.20 U	10.0 U	7.1500	--	5	52.0	3.2900	3	0.05 U	446	5.65	--	118	--
4/5/18	22.7	0.20 U	10.0 U	6.7100	--	--	44.4	2.2500	2	0.05 U	280	5.68	--	63	--
9/12/18	16.1	0.20 U	10.0 U	4.8500	--	--	32.2	1.5700	2	0.05 U	271	5.39	--	77	--
4/17/19	18.3	0.10 U	11.0	6.2000	--	4	28.7	1.2000	--	--	156	6.27	5.91	257	79

**Gude Landfill**  
**Monitoring Location MW-11A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/8/19	22.6	0.10 U	10.2	23.9000	--	7	42.0	5.1000	--	--	239	5.23	5.84	0	135
3/16/20	19.0	0.31	3.0 U	20.3000	--	6	63.5	1.4400	--	--	202	5.29	5.80	157	129
8/6/20	13.9	0.10 U	3.0 U	25.9000	--	6	71.6	2.5300	--	--	205	5.44	5.45	159	175

Gude Landfill

Monitoring Location MW-11A - General Parameters

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
8/2/10	--	0.0 U	--	--	--	--	--
9/23/10	7.1	--	--	108	--	4880.0	--
4/26/11	6.3	--	--	72	--	1600.0	--
9/8/11	5.9	--	--	96	--	--	--
3/8/12	5.8	--	--	64	--	--	--
9/12/12	5.8	--	--	108	--	--	--
4/1/13	6.2	--	14.3	176	--	--	766.0
9/24/13	5.9	--	14.2	116	--	--	1272.0
3/13/14	6.8	--	11.8	87	--	--	607.0
9/10/14	6.4	--	14.8	78	--	--	630.0
3/24/15	6.8	--	7.8	50	--	--	46.0
9/8/15	5.4	--	22.8	10	--	--	86.3
3/23/16	5.8	--	22.4	86	--	--	17.5
9/6/16	5.4	--	23.1	118	--	--	39.9
3/9/17	4.9	--	19.5	124	--	--	47.9
9/18/17	6.5	--	19.2	91	--	--	34.5
4/5/18	6.5	--	9.5	90	--	--	21.0
9/12/18	6.5	--	16.2	59	--	--	63.7
4/17/19	6.9	--	13.4	68	187.0	16.2	5.9

# Gude Landfill

Printed 10/24/20

## Monitoring Location MW-11A - General Parameters

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/8/19	2.4	--	17.0	111	14.0	24.9	32.0
3/16/20	5.5	--	16.9	114	229.0	169.0	78.4
8/6/20	6.3	--	17.0	133	347.0	196.0	22.1

**Gude Landfill**  
**Monitoring Location MW-11A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
8/2/10	0.0010 U	0.0011	0.0900	0.0010 U	0.0010 U	--	0.0210	0.0086	0.0190	--	0.0049	--
9/23/10	0.0050 U	0.0050 U	0.7490	0.0050 U	0.0050 U	23.4	0.1440	0.0695	0.0825	149.0	0.0499	66.600
4/26/11	0.0050 U	0.0050 U	0.2740	0.0050 U	0.0050 U	14.8	0.0273	0.0181	0.0260	12.1	0.0156	11.200
9/8/11	0.0050 U	0.0050 U	0.1480	0.0050 U	0.0050 U	15.1	0.0096	0.0103	0.0135	7.5	0.0122	8.630
3/8/12	0.0050 U	0.0050 U	0.1380	0.0050 U	0.0050 U	11.4	0.0354	0.0140	0.0452	22.6	0.0069	11.700
9/12/12	0.0050 U	0.0050 U	0.1830	0.0050 U	0.0050 U	15.8	0.0514	0.0213	0.0409	30.8	0.0136	13.900
4/1/13	0.0050 U	0.0050 U	0.1110	0.0050 U	0.0050 U	12.5	0.0320	0.0119	0.0321	18.4	0.0061	9.740
9/24/13	0.0050 U	0.0050 U	0.1850	0.0050 U	0.0050 U	17.3	0.0518	0.0212	0.0460	30.7	0.0117	16.400
3/13/14	0.0050 U	0.0050 U	0.1580	0.0050 U	0.0050 U	10.9	0.0384	0.0155	0.0413	27.8	0.0079	12.700
9/10/14	0.0050 U	0.0050 U	0.0830	0.0050 U	0.0050 U	12.9	0.0143	0.0055	0.0156	9.8	0.0050 U	7.800
3/24/15	0.0020 U	0.0020 U	0.0320	0.0020 U	0.0040 U	7.7	0.0095 J	0.0100 U	0.0051 J	4.7	0.0015 J	3.600
9/8/15	0.0010 U	0.0010 U	0.0470	0.0010 U	0.0005 U	13.0	0.0050 U	0.0050 U	0.0050 U	3.0	0.0010 U	5.700
3/23/16	0.0050 U	0.0050 U	0.0396	0.0050 U	0.0050 U	11.0	0.0050 U	0.0050 U	0.0050 U	1.5	0.0050 U	5.240
9/6/16	0.0020 U	0.0020 U	0.0399	0.0020 U	0.0020 U	12.5	0.0025	0.0020 U	0.0027	0.8	0.0020 U	4.950
3/9/17	0.0050 U	0.0050 U	0.0553	0.0050 U	0.0050 U	14.9	0.0050 U	0.0050 U	0.0050 U	2.6	0.0050 U	6.350
9/18/17	0.0050 U	0.0050 U	0.0390	0.0050 U	0.0050 U	13.2	0.0050 U	0.0050 U	0.0079	0.7	0.0050 U	4.760
4/5/18	0.0050 U	0.0050 U	0.0366	0.0050 U	0.0050 U	11.0	0.0050 U	0.0050 U	0.0082	0.7	0.0050 U	4.100
9/12/18	0.0050 U	0.0050 U	0.0236	0.0050 U	0.0050 U	7.9	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	3.050
4/17/19	0.0010 U	0.0010 U	0.0236	0.0010 U	0.0010 U	6.3	0.0035	0.0010 U	0.0023	0.8	0.0010 U	3.160
8/8/19	0.0010 U	0.0010 U	0.0364	0.0010 U	0.0010 U	9.1	0.0054	0.0010 U	0.0021 B	1.8	0.0011	4.700
3/16/20	0.0010 U	0.0010 U	0.1100	0.0010 U	0.0010 U	8.4	0.0360	0.0121	0.0156	17.4	0.0064	10.300
8/6/20	0.0010 U	0.0010 U	0.0929	0.0010 U	0.0010 U	13.3	0.0223	0.0052	0.0098	9.0	0.0035	9.330



**Gude Landfill**  
**Monitoring Location MW-11A - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
8/2/10	--	0.0002 U	0.0210	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0230	0.0500
9/23/10	3.470	0.0002 U	0.1450	27.70	0.0056	0.0050 U	8.5	0.0050 U	--	0.1240	0.3340
4/26/11	0.738	0.0002 U	0.0277	1.87	0.0050 U	0.0050 U	4.2	0.0050 U	--	0.0093	0.0938
9/8/11	0.319	0.0002 U	--	1.30	0.0050 U	0.0050 U	5.2	0.0050 U	--	0.0055	0.0493
3/8/12	0.451	0.0002 U	0.0050 U	4.85	0.0050 U	0.0050 U	4.7	0.0050 U	--	0.0425	0.0788
9/12/12	0.693	0.0002 U	0.0061	4.82	0.0050 U	0.0050 U	4.6	0.0050 U	--	0.0570	0.1090
4/1/13	0.326	0.0002 U	0.0050 U	3.64	0.0050 U	0.0050 U	8.2	0.0050 U	--	0.0328	0.0690
9/24/13	0.633	0.0002 U	0.0050 U	6.81	0.0050 U	0.0050 U	5.3	0.0050 U	--	0.0555	0.1240
3/13/14	0.464	0.0002 U	0.0360	5.26	0.0050 U	0.0050 U	3.9	0.0050 U	--	0.0424	0.0925
9/10/14	0.169	0.0002 U	0.0134	2.34	0.0050 U	0.0050 U	4.7	0.0050 U	--	0.0171	0.0340
3/24/15	0.057	0.0002 U	0.0099 J	1.10	0.0350 U	0.0100 U	3.7	0.0020 U	--	0.0091 J	0.0110
9/8/15	0.007 J	0.0002 U	0.0100 U	1.20	0.0050 U	0.0010 U	5.3	0.0010 U	--	0.0052	0.0110
3/23/16	0.036	0.0002 U	0.0050 U	0.98	0.0050 U	0.0050 U	5.4	0.0050 U	--	0.0050 U	0.0095
9/6/16	0.024	0.0002 U	0.0040	0.80	0.0020 U	0.0020 U	5.0	0.0010 U	--	0.0023	0.0076
3/9/17	0.050	0.0002 U	0.0067	1.28	0.0050 U	0.0050 U	5.8	0.0050 U	--	0.0050 U	0.0154
9/18/17	0.017	0.0002 U	0.0050 U	0.96	0.0050 U	0.0050 U	5.0	0.0050 U	--	0.0050 U	0.0327
4/5/18	0.029	0.0002 U	0.0050 U	0.71	0.0050 U	0.0050 U	4.6	0.0050 U	--	0.0050 U	0.0400
9/12/18	0.016	0.0002 U	0.0050 U	0.68	0.0050 U	0.0050 U	4.0	0.0050 U	--	0.0050 U	0.0077
4/17/19	0.019	0.0001 U	0.0032	0.64	0.0010 U	0.0010 U	3.9	0.0010 U	--	0.0022	0.0121
8/8/19	0.027	0.0001 U	0.0041	0.79	0.0010 U	0.0010 U	4.7	0.0010 U	--	0.0039	0.0105 B
3/16/20	0.329	0.0001 U	0.0295	3.34	0.0018	0.0010 U	4.1	0.0010 U	--	0.0297	0.0663
8/6/20	0.152	0.0001 U	0.0234	2.16	0.0014	0.0010 U	6.4	0.0010 U	--	0.0187	0.0365

Gude Landfill

Printed 10/24/20

Monitoring Location MW-11A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	2.74	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-11A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	4.64	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.17	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/17/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/16/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/6/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	0.53 J	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.86	1.0 U	1.00 U	1.00 U	--	17.80	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/24/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/17/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



**Gude Landfill**  
**Monitoring Location MW-11A - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/16/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/6/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-11A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.01	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.37	--
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-11A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-11B - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.019	0.005 U	0.005 U	15.8	0.01 U	0.01 U	0.005 U	0.1 J	0.005 U	6.9	0.009	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.020	0.005 U	0.005 U	15.1	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	8.1	0.009	0.0002 U
9/12/12	0.005 U	0.005 U	0.019	0.005 U	0.005 U	16.6	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	7.7	0.006	0.0002 U
4/1/13	0.005 U	0.005 U	0.018	0.005 U	0.005 U	16.2	0.01 U	0.01 U	0.011	0.2 U	0.005 U	7.4	0.007	0.0002 U
9/24/13	0.005 U	0.005 U	0.019	0.005 U	0.005 U	15.6	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	7.4	0.005 U	0.0002 U
3/13/14	0.005 U	0.005 U	0.021	0.005 U	0.005 U	17.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	10.0	0.005 U	0.0002 U
9/10/14	0.005 U	0.005 U	0.023	0.005 U	0.005 U	17.3	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	8.4	0.005 U	0.0002 U
3/24/15	0.002 U	0.002 U	0.016	0.002 U	0.004 U	17.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	8.5	0.005 U	0.0002 U
9/8/15	0.001 U	0.001 U	0.016	0.001 U	0.001 U	130.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	38.0	0.019	0.0004
3/23/16	0.002 U	0.002 U	0.016	0.002 U	0.002 U	16.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	7.5	0.002 U	0.0002 U
9/6/16	0.002 U	0.002 U	0.016	0.002 U	0.002 U	14.9	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	7.5	0.002 U	0.0002 U
3/9/17	0.002 U	0.002 U	0.018	0.002 U	0.002 U	16.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	8.0	0.002 U	0.0002 U
9/18/17	0.002 U	0.002 U	0.018	0.002 U	0.002 U	17.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	8.6	0.002	0.0002 U
4/5/18	0.002 U	0.002 U	0.018	0.002 U	0.002 U	17.3	0.00	0.00 U	0.002 U	0.1 U	0.002 U	8.6	0.002 U	0.0002 U
9/12/18	0.002 U	0.002 U	0.016	0.002 U	0.002 U	7.3	0.00 U	0.00 U	0.002 U	0.2	0.002 U	4.7	0.002 U	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-11B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01 U	0.9	0.005 U	0.01 U	9.8	0.005 U	0.01 U	0.005 U
9/8/11	0.01 U	--	--	--	--	--	--	--
3/8/12	0.01 U	0.9	0.005 U	0.01 U	10.2	0.005 U	0.01 U	0.005 U
9/12/12	0.01 U	1.0	0.005 U	0.01 U	9.7	0.005 U	0.01 U	0.005 U
4/1/13	0.01	0.9	0.005 U	0.01 U	12.5	0.005 U	0.01 U	0.005 U
9/24/13	0.01 U	1.0	0.005 U	0.01 U	9.1	0.005 U	0.01 U	0.005 U
3/13/14	0.01 U	1.0	0.005 U	0.01 U	11.9	0.005 U	0.01 U	0.005 U
9/10/14	0.01 U	0.8	0.005 U	0.01 U	9.2	0.005 U	0.01 U	0.005 U
3/24/15	0.01 U	0.9	0.035 U	0.01 U	9.9	0.002 U	0.01 U	0.010 U
9/8/15	0.01 U	3.8	0.005 U	0.00 U	22.0	0.001 U	0.00 U	0.005 U
3/23/16	0.00 U	0.7	0.002 U	0.00 U	8.1	0.001 U	0.00	0.002 U
9/6/16	0.00 U	0.8	0.002 U	0.00 U	8.6	0.001 U	0.00	0.002 U
3/9/17	0.00 U	0.8	0.002 U	0.00 U	8.8	0.001 U	0.00	0.002 U
9/18/17	0.00 U	0.8	0.002 U	0.00 U	9.2	0.001 U	0.00	0.002 U
4/5/18	0.00 U	0.8	0.002 U	0.00 U	9.1	0.001 U	0.00	0.002 U
9/12/18	0.00 U	0.9	0.002 U	0.00 U	5.4	0.001 U	0.00	0.002 U

## Gude Landfill Monitoring Location MW-11B - General Parameters

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	100.0	0.20 U	10.0 U	4.1800	--	--	94.0	2.3070	2	0.05 U	--	--	--	--	--
4/26/11	69.0	0.20 U	10.0 U	4.7900	--	--	66.0	2.3300	2	0.05 U	--	--	--	--	--
9/8/11	65.0	0.20 U	10.0 U	4.3800	--	--	58.0	2.1900	2	0.05 U	--	--	--	--	--
3/8/12	68.0	0.20 U	10.0 U	4.9000	--	--	62.0	2.5600	3	0.05 U	--	--	--	--	--
9/12/12	61.0	0.20 U	10.0 U	5.0600	--	--	62.0	2.3700	2	0.05 U	--	--	--	--	--
4/1/13	67.0	0.20 U	10.0 U	5.3500	--	4	64.0	2.6400	3	0.05 U	400	6.51	--	190	--
9/24/13	62.0	0.20 U	10.0 U	6.5700	--	3	62.0	2.3800	2	0.05 U	397	6.46	--	145	--
3/13/14	68.0	0.20 U	10.0 U	6.1400	--	4	72.0	2.7400	--	--	473	6.19	--	160	--
9/10/14	73.0	0.20 U	10.0 U	6.3800	--	4	86.0	2.8200	3	0.05 U	379	6.56	--	172	--
3/24/15	72.0	0.20 U	10.0 U	6.7700	--	4	86.0	3.0200	3	0.05 U	371	6.77	--	74	--
9/8/15	68.0	0.20 U	10.0 U	7.0700	--	4	72.0	3.0000	3	0.05 U	321	6.27	--	170	--
3/23/16	68.0	0.20 U	10.0 U	9.6400	--	0	108.0	2.9300	3	0.05 U	324	6.27	--	162	--
9/6/16	67.0	0.20 U	10.0 U	9.6800	--	3	82.0	2.4500	2	0.05 U	349	6.05	--	164	--
3/9/17	67.0	0.20 U	10.0 U	9.5100	--	--	80.0	2.8800	3	0.05 U	378	6.21	--	169	--
9/18/17	64.0	0.20 U	10.0 U	23.9000	--	--	82.0	2.1900	2	0.05 U	357	6.32	--	190	--
4/5/18	69.0	0.20 U	10.0 U	10.9000	--	--	88.7	3.2000	3	0.05 U	184	6.33	--	174	--
9/12/18	62.1	0.20 U	10.0 U	14.2000	--	--	83.9	2.9200	3	0.05 U	225	6.20	--	182	--
4/17/19	72.4	0.10 U	12.0	13.1000	--	9	79.8	3.9000	--	--	225	5.63	6.50	89	211

**Gude Landfill**  
**Monitoring Location MW-11B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/8/19	68.1	0.10 U	3.0 U	17.3000	--	4	78.0	3.6000	--	--	184	5.97	6.56	0	212
3/16/20	68.6	0.10 U	3.0 U	17.3000	--	4	87.3	3.5500	--	--	165	6.01	6.32	272	220
8/6/20	40.9	0.10 U	15.6	19.3000	--	5	80.0	3.0000	--	--	149	6.71	6.36	208	229

**Gude Landfill**  
**Monitoring Location MW-11B - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
8/2/10	--	0.0 U	--	--	--	--	--
9/23/10	4.0 U	--	--	156	--	72.4	--
4/26/11	4.0 U	--	--	132	--	5.0	--
9/8/11	4.0 U	--	--	116	--	--	--
3/8/12	4.0 U	--	--	132	--	--	--
9/12/12	4.0 U	--	--	136	--	--	--
4/1/13	4.0 U	--	13.4	232	--	--	51.5
9/24/13	4.0 U	--	13.5	134	--	--	15.8
3/13/14	4.0 U	--	13.1	156	--	--	40.5
9/10/14	4.0 U	--	14.8	108	--	--	7.4
3/24/15	4.0 U	--	11.7	106	--	--	34.2
9/8/15	4.0 U	--	19.5	43	--	--	36.9
3/23/16	4.0 U	--	16.2	143	--	--	24.6
9/6/16	4.0 U	--	16.9	128	--	--	29.6
3/9/17	4.0 U	--	17.9	171	--	--	185.9
9/18/17	4.0 U	--	19.2	121	--	--	89.4
4/5/18	4.0 U	--	13.0	160	--	--	10.9
9/12/18	4.0 U	--	15.1	133	--	--	21.1
4/17/19	4.2	--	14.3	159	18.4	3.0	38.5



**Gude Landfill**  
**Monitoring Location MW-11B - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/8/19	3.4	--	14.9	156	3.7	1.5	0.0
3/16/20	4.0	--	14.2	155	13.8	4.5	4.2
8/6/20	2.9	--	15.9	158	7.4	3.5	2.3

**Gude Landfill**  
**Monitoring Location MW-11B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
8/2/10	0.0010 U	0.0006 J	0.0240	0.0010 U	0.0010 U	--	0.0029	0.0009 J	0.0022	--	0.0010 U	--	--
9/23/10	0.0050 U	0.0050 U	0.0744	0.0050 U	0.0050 U	34.4	0.0082	0.0050	0.0131	7.0	0.0050 U	8.360	0.167
4/26/11	0.0050 U	0.0050 U	0.0194	0.0050 U	0.0050 U	15.4	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	6.630	0.012
9/8/11	0.0050 U	0.0050 U	0.0188	0.0050 U	0.0050 U	14.9	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	6.300	0.011
3/8/12	0.0050 U	0.0050 U	0.0252	0.0050 U	0.0050 U	14.3	0.0050 U	0.0050 U	0.0074	1.4	0.0050 U	7.720	0.035
9/12/12	0.0050 U	0.0050 U	0.0210	0.0050 U	0.0050 U	15.9	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U	6.620	0.018
4/1/13	0.0050 U	0.0050 U	0.0348	0.0050 U	0.0050 U	18.0	0.0150	0.0050 U	0.0159	3.3	0.0050 U	9.260	0.063
9/24/13	0.0050 U	0.0050 U	0.0261	0.0050 U	0.0050 U	16.9	0.0050 U	0.0050 U	0.0055	0.9	0.0050 U	8.180	0.021
3/13/14	0.0050 U	0.0050 U	0.0348	0.0050 U	0.0050 U	17.5	0.0052	0.0050 U	0.0070	2.7	0.0050 U	9.360	0.052
9/10/14	0.0050 U	0.0050 U	0.0256	0.0050 U	0.0050 U	17.6	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	8.630	0.014
3/24/15	0.0020 U	0.0020 U	0.0210	0.0020 U	0.0040 U	16.0	0.0100 U	0.0100 U	0.0021 J	1.8	0.0020 U	8.800	0.031
9/8/15	0.0010 U	0.0010 U	0.0210	0.0010 U	0.0005 U	16.0	0.0050 U	0.0050 U	0.0050 U	1.6	0.0010 U	8.000	0.057
3/23/16	0.0050 U	0.0050 U	0.0246	0.0050 U	0.0050 U	18.6	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	10.200	0.010
9/6/16	0.0020 U	0.0020 U	0.0182	0.0020 U	0.0020 U	14.9	0.0020 U	0.0020 U	0.0022	0.3	0.0020 U	7.550	0.006
3/9/17	0.0050 U	0.0050 U	0.0373	0.0050 U	0.0050 U	19.2	0.0050 U	0.0050 U	0.0059	3.2	0.0050 U	10.300	0.082
9/18/17	0.0050 U	0.0050 U	0.0306	0.0050 U	0.0050 U	18.9	0.0050 U	0.0050 U	0.0058	2.0	0.0050 U	9.610	0.042
4/5/18	0.0050 U	0.0050 U	0.0329	0.0050 U	0.0050 U	19.2	0.0051	0.0050 U	0.0050 U	1.9	0.0050 U	9.860	0.037
9/12/18	0.0050 U	0.0050 U	0.0212	0.0050 U	0.0050 U	18.2	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	9.350	0.020
4/17/19	0.0010 U	0.0010 U	0.0190	0.0010 U	0.0010 U	15.6	0.0112	0.0010 U	0.0010 U	0.3	0.0010 U	9.910	0.008
8/8/19	0.0010 U	0.0010 U	0.0185	0.0010 U	0.0010 U	15.4	0.0031	0.0010 U	0.0010 U	0.1 U	0.0010 U	9.600	0.004
3/16/20	0.0010 U	0.0010 U	0.0211	0.0010 U	0.0010 U	17.0	0.0023	0.0010 U	0.0010 U	0.3	0.0010 U	10.900	0.006
8/6/20	0.0010 U	0.0010 U	0.0218	0.0010 U	0.0010 U	16.2	0.0027	0.0010 U	0.0010 U	0.2	0.0010 U	9.600	0.011

**Gude Landfill**  
**Monitoring Location MW-11B - Total Metals**

Printed 10/24/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002			
8/2/10	0.0002 U	0.0021	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0073	0.0120
9/23/10	0.0002 U	0.0090	2.50	0.0050 U	0.0050 U	12.6	0.0050 U	--	0.0229	0.0209
4/26/11	0.0002 U	0.0050 U	0.89	0.0050 U	0.0050 U	9.1	0.0050 U	--	0.0050 U	0.0050 U
9/8/11	0.0002 U	--	0.93	0.0050 U	0.0050 U	8.5	0.0050 U	--	0.0050 U	0.0050 U
3/8/12	0.0002 U	0.0050 U	1.12	0.0050 U	0.0050 U	9.4	0.0050 U	--	0.0062	0.0106
9/12/12	0.0002 U	0.0050 U	0.94	0.0050 U	0.0050 U	8.1	0.0050 U	--	0.0050 U	0.0066
4/1/13	0.0002 U	0.0050 U	1.84	0.0050 U	0.0050 U	13.5	0.0050 U	--	0.0112	0.0125
9/24/13	0.0002 U	0.0050 U	1.17	0.0050 U	0.0050 U	9.4	0.0050 U	--	0.0058	0.0074
3/13/14	0.0002 U	0.0054	1.46	0.0050 U	0.0050 U	9.7	0.0050 U	--	0.0088	0.0122
9/10/14	0.0002 U	0.0050 U	0.95	0.0050 U	0.0050 U	9.2	0.0050 U	--	0.0050 U	0.0050 U
3/24/15	0.0002 U	0.0110 U	1.10	0.0350 U	0.0100 U	9.6	0.0020 U	--	0.0070 J	0.0053 J
9/8/15	0.0002 U	0.0100 U	1.10	0.0050 U	0.0010 U	9.0	0.0010 U	--	0.0062	0.0050 U
3/23/16	0.0002 U	0.0050 U	1.06	0.0050 U	0.0050 U	11.0	0.0050 U	--	0.0050 U	0.0050 U
9/6/16	0.0002 U	0.0020 U	0.80	0.0020 U	0.0020 U	8.6	0.0010 U	--	0.0039	0.0143
3/9/17	0.0002 U	0.0059	1.42	0.0050 U	0.0050 U	9.7	0.0050 U	--	0.0108	0.0135
9/18/17	0.0002 U	0.0050 U	1.09	0.0050 U	0.0050 U	9.3	0.0050 U	--	0.0065	0.0272
4/5/18	0.0002 U	0.0050 U	1.18	0.0050 U	0.0050 U	9.3	0.0050 U	--	0.0090	0.0319
9/12/18	0.0002 U	0.0050 U	1.05	0.0050 U	0.0050 U	9.5	0.0050 U	--	0.0050 U	0.0050 U
4/17/19	0.0001 U	0.0075	0.87	0.0010 U	0.0010 U	10.5	0.0010 U	--	0.0031	0.0040 U
8/8/19	0.0001 U	0.0010 U	0.82	0.0010 U	0.0010 U	10.4	0.0010 U	--	0.0031	0.0044 B
3/16/20	0.0001 U	0.0010 U	0.95	0.0010 U	0.0010 U	10.7	0.0010 U	--	0.0031	0.0040 U
8/6/20	0.0001 U	0.0012	1.00	0.0010 U	0.0010 U	10.5	0.0010 U	--	0.0034	0.0040 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-11B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.25	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-11B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-11B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	6.97	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/17/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	6.20 B	--	5 U	1 U	1.00 U	--	1.00 U
8/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-11B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/16/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/6/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-11B - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	5.48	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.14	--	1.00 U
9/24/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.07	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.15	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.44	1.00 U	1.00 U	1.32	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.40	1.00 U	1.00 U	1.00 U	--	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.55	1.00 U	1.00 U	1.13	--	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.26	1.00 U	1.00 U	1.00 U	--	1.00 U
4/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.40	1.00 U	1.00 U	1.03	--	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.31	1.00 U	1.00 U	1.00 U	--	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	2.10	1.00 U	1.00 U	--	5 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.10	1.00 U	1 U	3.80	1.00 U	1.00 U	--	5 U	1.00 U



**Gude Landfill**  
**Monitoring Location MW-11B - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.10	1.00 U	1.00 U	--	5 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 J	1.00 U	1 U	5.40	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-11B - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/24/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/17/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location MW-11B - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/16/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/6/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-11B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	2.00	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	0.97 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/8/12	2.10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	2.74	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/24/13	2.42	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	3.01	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/15	3.05	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/15	3.33	1.00 U	1.00 U	1.00 U	5.00 U	1.17	1.00 U	5 U	1.00 U	--
3/23/16	4.58	1.00 U	1.00 U	1.00 U	5.00 U	1.43	1.00 U	5 U	1.00 U	--
9/6/16	3.24	1.00 U	1.00 U	1.00 U	5.00 U	1.13	1.00 U	5 U	1.00 U	--
3/9/17	4.54	1.00 U	1.00 U	1.00 U	5.00 U	1.65	1.00 U	5 U	1.00 U	--
9/18/17	1.88	1.00 U	1.00 U	1.00 U	5.00 U	1.08	1.00 U	5 U	1.00 U	--
4/5/18	4.92	1.00 U	1.00 U	1.00 U	5.00 U	1.51	1.00 U	5 U	1.00 U	--
9/12/18	3.34	1.00 U	1.00 U	1.00 U	5.00 U	1.27	1.00 U	5 U	1.00 U	--
4/17/19	4.90	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.00 U	1 U	1.00 U	--
8/8/19	6.60	1.00 U	1.00 U	1.00 U	1.00 U	2.90	1.00 U	1 U	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location MW-11B - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/16/20	6.30	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.00 U	1 U	1.00 U	--
8/6/20	8.10	1.00 U	1.00 U	1.00 U	1.00 U	3.90	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-12 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.686	0.005 U	0.005 U	83.3	0.01 U	0.01 U	0.008	0.6	0.005 U	39.8	0.077	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.589	0.005 U	0.005 U	61.0	0.01 U	0.01 U	0.008	0.3	0.005 U	30.0	0.055	0.0002 U
9/12/12	0.005 U	0.005 U	0.374	0.005 U	0.005 U	48.3	0.01 U	0.01 U	0.006	0.3	0.005 U	20.1	0.031	0.0002 U
4/1/13	0.005 U	0.005 U	0.448	0.005 U	0.005 U	45.2	0.01 U	0.01 U	0.014	0.2	0.005 U	21.7	0.049	0.0002 U
9/18/13	0.005 U	0.005 U	0.335	0.005 U	0.005 U	41.8	0.01 U	0.01 U	0.006	0.2	0.005 U	17.5	0.042	0.0002 U
3/13/14	0.005 U	0.005 U	0.451	0.005 U	0.005 U	45.4	0.01 U	0.01 U	0.008	0.3	0.005 U	22.2	0.043	0.0002 U
9/10/14	0.005 U	0.005 U	0.075	0.005 U	0.005 U	18.9	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	7.7	0.021	0.0002 U
3/24/15	0.002 U	0.002 U	0.430	0.002 U	0.004 U	48.0	0.01 U	0.01 U	0.004 U	0.0 U	0.002 U	24.0	0.036	0.0002 U
9/8/15	0.001 U	0.001 U	0.321	0.001 U	0.001 U	34.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	15.0	0.055	0.0002 U
3/23/16	0.002 U	0.002 U	0.323	0.002 U	0.002 U	30.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	14.8	0.025	0.0002 U
9/6/16	0.002 U	0.002 U	0.272	0.002 U	0.002 U	29.5	0.00 U	0.00 U	0.003	0.2 U	0.002 U	13.1	0.028	0.0002 U
3/13/17	0.002 U	0.002 U	0.245	0.002 U	0.002 U	26.5	0.00 U	0.00 U	0.004	0.2 U	0.002 U	11.6	0.020	0.0002 U
9/19/17	0.002 U	0.002 U	0.209	0.002 U	0.002 U	24.0	0.00	0.00 U	0.004	0.2 U	0.002 U	9.5	0.022	0.0002 U
4/3/18	0.002 U	0.002 U	0.233	0.002 U	0.002 U	26.4	0.00	0.00 U	0.002 U	0.1 U	0.002 U	10.8	0.039	0.0002 U
9/12/18	0.002 U	0.002 U	0.629	0.002 U	0.002 U	9.6	0.00 U	0.00 U	0.002 U	2.9	0.002 U	12.3	0.074	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-12 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01	4.1	0.005 U	0.01 U	98.2	0.005 U	0.01 U	0.027
9/8/11	0.01	--	--	--	--	--	--	--
3/8/12	0.02	3.8	0.005 U	0.01 U	91.8	0.005 U	0.01 U	0.024
9/12/12	0.03	3.6	0.005 U	0.01 U	62.1	0.005 U	0.01 U	0.018
4/1/13	0.01	3.7	0.005 U	0.01 U	79.8	0.005 U	0.01 U	0.020
9/18/13	0.01	3.2	0.005 U	0.01 U	57.0	0.005 U	0.01 U	0.018
3/13/14	0.01	3.2	0.005 U	0.01 U	85.4	0.005 U	0.01 U	0.029
9/10/14	0.01 U	1.1	0.005 U	0.01 U	9.0	0.005 U	0.01 U	0.010
3/24/15	0.01 J	3.3	0.035 U	0.01 U	91.0	0.002 U	0.01 U	0.023
9/8/15	0.00 J	2.8	0.005 U	0.00 U	65.0	0.001 U	0.01 U	0.011
3/23/16	0.00	2.1	0.002 U	0.00 U	71.8	0.001 U	0.00 U	0.014
9/6/16	0.00	2.5	0.002 U	0.00 U	61.4	0.001 U	0.00	0.015
3/13/17	0.00	2.2	0.002 U	0.00 U	51.1	0.001 U	0.00	0.014
9/19/17	0.00	2.0	0.002 U	0.00 U	41.8	0.001 U	0.00 U	0.013
4/3/18	0.00	2.2	0.002 U	0.00 U	49.7	0.001 U	0.00 U	0.036
9/12/18	0.01	1.5	0.002 U	0.00 U	31.4	0.001 U	0.00 U	0.035

**Gude Landfill**  
**Monitoring Location MW-12 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
8/2/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	15.0	0.20 U	10.0 U	374.0000	--	--	360.0	5.0188	5	0.01 J	--	--	--	--	--
4/26/11	16.0	0.20 U	10.0 U	371.0000	--	--	356.0	4.3800	4	0.05 U	--	--	--	--	--
9/8/11	22.0	0.20 U	10.0 U	286.0000	--	--	280.0	4.8700	5	0.05 U	--	--	--	--	--
3/8/12	12.0	0.20 U	6.1	348.0000	--	--	276.0	4.4300	4	0.05 U	--	--	--	--	--
9/12/12	10.0	0.20 U	10.0 U	211.0000	--	--	188.0	4.9000	5	0.05 U	--	--	--	--	--
4/1/13	7.0	0.20 U	10.0 U	246.0000	--	6	196.0	4.4900	5	0.05 U	539	5.19	--	977	--
9/18/13	7.9	0.20 U	10.0 U	197.0000	--	6	170.0	5.0200	5	0.05 U	475	4.82	--	668	--
3/13/14	6.0	0.20 U	10.0 U	251.0000	--	6	206.0	4.3300	--	--	645	4.85	--	836	--
9/10/14	75.0	0.20 U	10.0 U	7.3000	--	3	88.0	0.2000 U	0 U	0.05 U	448	5.96	--	159	--
3/24/15	7.5	0.20 U	10.0 U	267.0000	--	7	204.0	3.9400	4	0.05 U	461	5.20	--	784	--
9/8/15	10.0	0.20 U	10.0 U	176.0000	--	6	136.0	4.8800	5	0.05 U	393	5.05	--	641	--
3/23/16	23.0	0.20 U	10.0 U	204.0000	--	7	140.0	3.8300	4	0.05 U	440	5.36	--	641	--
9/6/16	25.0	0.20 U	10.0 U	147.0000	--	--	136.0	4.8300	5	0.05 U	439	5.07	--	564	--
3/13/17	36.0	0.20 U	10.0 U	135.0000	--	4	140.0	4.9600	5	0.05 U	502	5.15	--	482	--
9/19/17	35.0	0.20 U	10.0 U	113.0000	--	--	110.0	5.4700	5	0.05 U	473	5.12	--	439	--
4/3/18	8.4	0.20 U	10.0 U	133.0000	--	--	104.0	4.7300	5	0.05 U	287	5.22	--	462	--
9/12/18	8.8	0.20 U	10.0 U	351.0000	--	--	292.0	4.4900	5	0.05 U	296	4.84	--	1132	--
4/16/19	11.9	0.10 U	11.0	272.0000	--	6	163.0	4.0000	--	--	170	5.20	5.86	1120	898



**Gude Landfill**  
**Monitoring Location MW-12 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/8/19	30.5	0.10 U	15.1	111.0000	--	5	79.2	2.9000	--	--	228	5.03	5.60	0	451
3/16/20	13.1	0.10 U	11.3	149.0000	--	6	112.0	3.3800	--	--	228	5.00	5.53	798	6
8/6/20	12.7	0.10 U	15.3	4.7000	--	5	96.8	2.1900	--	--	305	5.41	5.30	472	564

**Gude Landfill**  
**Monitoring Location MW-12 - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
8/2/10	--	0.0 U	--	--	--	--	--
9/23/10	14.7	--	--	1520	--	3920.0	--
4/26/11	14.3 J	--	--	1184	--	57.4	--
9/8/11	15.5	--	--	1020	--	--	--
3/8/12	13.9	--	--	1012	--	--	--
9/12/12	15.7	--	--	720	--	--	--
4/1/13	15.0	--	16.3	600	--	--	84.3
9/18/13	17.3	--	18.1	646	--	--	160.0
3/13/14	18.2	--	14.8	624	--	--	50.1
9/10/14	8.2	--	14.2	134	--	--	358.3
3/24/15	18.8	--	12.2	620	--	--	94.3
9/8/15	20.7	--	23.8	337	--	--	6.9
3/23/16	20.4	--	19.4	426	--	--	26.3
9/6/16	20.4	--	28.4	443	--	--	5.2
3/13/17	18.8	--	13.8	333	--	--	8.3
9/19/17	19.3	--	20.5	265	--	--	5.8
4/3/18	18.5	--	10.4	393	--	--	10.9
9/12/18	15.4	--	20.3	745	--	--	7.1
4/16/19	19.3	--	15.5	661	20.8	16.6	9.8

**Gude Landfill**  
**Monitoring Location MW-12 - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/8/19	14.6	--	20.2	298	14.4	9.6	10.0
3/16/20	20.0	--	17.6	402	26.0	8.4	13.2
8/6/20	19.6	--	19.0	335	320.0	100.0	119.6

**Gude Landfill**  
**Monitoring Location MW-12 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
8/2/10	0.0010 U	0.0019	0.7600	0.0010 U	0.0006 J	--	0.0640	0.0190	0.0390	--	0.0160	--
9/23/10	0.0050 U	0.0050 U	1.3200	0.0050 U	0.0050 U	82.0	0.1000	0.0492	0.1090	100.0	0.0616	69.500
4/26/11	0.0050 U	0.0050 U	0.7490	0.0050 U	0.0050 U	78.8	0.0050 U	0.0050 U	0.0111	2.6	0.0050 U	43.100 J
9/8/11	0.0050 U	0.0050 U	0.6150	0.0050 U	0.0050 U	65.6	0.0050 U	0.0050 U	0.0063	1.2	0.0106	29.100
3/8/12	0.0050 U	0.0050 U	0.6350	0.0050 U	0.0050 U	65.2	0.0181	0.0050 U	0.0168	4.1	0.0050 U	32.700
9/12/12	0.0050 U	0.0050 U	0.4720	0.0050 U	0.0050 U	47.4	0.0261	0.0120	0.0339	17.0	0.0168	23.000
4/1/13	0.0050 U	0.0050 U	0.4730	0.0050 U	0.0050 U	44.5	0.0050 U	0.0050 U	0.0159	1.3	0.0050 U	21.100
9/18/13	0.0050 U	0.0050 U	0.3920	0.0050 U	0.0050 U	45.5	0.0115	0.0050 U	0.0167	7.1	0.0066	21.600
3/13/14	0.0050 U	0.0050 U	0.4710	0.0050 U	0.0050 U	46.4	0.0050 U	0.0050 U	0.0079	1.2	0.0050 U	22.900
9/10/14	0.0050 U	0.0050 U	0.3540	0.0050 U	0.0050 U	19.7	0.0436	0.0213	0.0780	36.8	0.0112	19.500
3/24/15	0.0020 U	0.0020 U	0.4400	0.0020 U	0.0040 U	47.0	0.0100	0.0100 U	0.0110	3.8	0.0022	24.000
9/8/15	0.0010 U	0.0010 U	0.3100	0.0010 U	0.0005 U	32.0	0.0050 U	0.0050 U	0.0050 U	2.1	0.0014	15.000
3/23/16	0.0050 U	0.0050 U	0.3540	0.0050 U	0.0050 U	32.8	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	16.900
9/6/16	0.0020 U	0.0020 U	0.2690	0.0020 U	0.0020 U	28.7	0.0020	0.0020 U	0.0030	0.4	0.0020 U	12.600
3/13/17	0.0020 U	0.0020 U	0.2550	0.0020 U	0.0020 U	26.5	0.0020 U	0.0020 U	0.0020 J	0.2 U	0.0020 U	11.400
9/19/17	0.0050 U	0.0050 U	0.2290	0.0050 U	0.0050 U	25.7	0.0050 U	0.0050 U	0.0139	1.0	0.0050 U	10.700
4/3/18	0.0050 U	0.0050 U	0.2450	0.0050 U	0.0050 U	25.0	0.0050 U	0.0050 U	0.0110	0.2	0.0050 U	10.100
9/12/18	0.0050 U	0.0050 U	0.6050	0.0050 U	0.0050 U	61.6	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	33.600
4/16/19	0.0010 U	0.0010 U	0.3130	0.0010 U	0.0010 U	33.0	0.0023	0.0014	0.0020	0.7	0.0010 U	19.700
8/8/19	0.0010 U	0.0010 U	0.1500	0.0010 U	0.0010 U	16.7	0.0037	0.0010 U	0.0029 B	0.4	0.0014	9.070
3/16/20	0.0010 U	0.0010 U	0.2310	0.0010 U	0.0010 U	22.5	0.0067	0.0010 U	0.0170	0.4	0.0010 U	13.500
8/6/20	0.0010 U	0.0010 U	0.2380	0.0010 U	0.0010 U	17.6	0.0146	0.0044	0.0124	5.8	0.0043	12.800

**Gude Landfill**  
**Monitoring Location MW-12 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
8/2/10	--	0.0002 U	0.0600	--	0.0005 J	0.0010 U	--	0.0010 U	0.0050 U	0.0280	0.1100
9/23/10	3.020	0.0002 U	0.0938	23.10	0.0062	0.0050 U	81.5	0.0050 U	--	0.0850	0.2690
4/26/11	0.138	0.0002 U	0.0113	5.14	0.0050 U	0.0050 U	104.0 J	0.0050 U	--	0.0050 U	0.0352
9/8/11	0.103	0.0002 U	--	4.12	0.0050 U	0.0050 U	73.7	0.0050 U	--	0.0050 U	0.0306
3/8/12	0.155	0.0002 U	0.0104	4.49	0.0050 U	0.0050 U	96.2	0.0050 U	--	0.0050 U	0.0390
9/12/12	0.532	0.0002 U	0.0065	5.42	0.0050 U	0.0050 U	57.8	0.0050 U	--	0.0246	0.0754
4/1/13	0.084	0.0002 U	0.0081	4.06	0.0050 U	0.0050 U	76.9	0.0050 U	--	0.0050 U	0.0238
9/18/13	0.177	0.0002 U	0.0057	4.30	0.0050 U	0.0050 U	61.4	0.0050 U	--	0.0088	0.0443
3/13/14	0.066	0.0002 U	0.0079	3.27	0.0050 U	0.0050 U	88.4	0.0050 U	--	0.0050 U	0.0241
9/10/14	0.596	0.0002 U	0.0388	8.02	0.0050 U	0.0050 U	8.1	0.0050 U	--	0.0893	0.1320
3/24/15	0.110	0.0002 U	0.0140	4.10	0.0350 U	0.0100 U	88.0	0.0020 U	--	0.0100 U	0.0410
9/8/15	0.022	0.0002 U	0.0100 U	3.20	0.0050 U	0.0010 U	64.0	0.0010 U	--	0.0050 U	0.0220
3/23/16	0.039	0.0002 U	0.0050 U	2.60	0.0050 U	0.0050 U	83.5	0.0050 U	--	0.0050 U	0.0210
9/6/16	0.040	0.0002 U	0.0041	2.39	0.0020 U	0.0020 U	54.0	0.0010 U	--	0.0023	0.0159
3/13/17	0.026	0.0002 U	0.0034	2.16	0.0020 U	0.0020 U	50.8	0.0010 U	--	0.0025	0.0132
9/19/17	0.046	0.0002 U	0.0050 U	2.23	0.0050 U	0.0050 U	44.6	0.0050 U	--	0.0050 U	0.0315
4/3/18	0.047	0.0002 U	0.0050 U	2.12	0.0050 U	0.0050 U	48.7	0.0050 U	--	0.0050 U	0.0616
9/12/18	0.089	0.0002 U	0.0090	3.58	0.0050 U	0.0050 U	99.3	0.0050 U	--	0.0050 U	0.0331
4/16/19	0.063	0.0001 U	0.0052	2.55	0.0010 U	0.0010 U	119.0 B	0.0010 U	--	0.0010 U	0.0324
8/8/19	0.036	0.0001 U	0.0028	1.76	0.0010 U	0.0010 U	51.3	0.0010 U	--	0.0010 U	0.0182 B
3/16/20	0.034	0.0001 U	0.0052	2.28	0.0010 U	0.0010 U	71.6	0.0010 U	--	0.0010 U	0.0150 B
8/6/20	0.176	0.0001 U	0.0125	3.01	0.0013	0.0010 U	61.4	0.0010 U	--	0.0076	0.0406

Gude Landfill

Printed 10/24/20

Monitoring Location MW-12 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-12 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-12 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
8/2/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/8/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/16/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	8.60	--	5 U	1 U	1.00 U	--	1.00 U
8/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U



**Gude Landfill**  
**Monitoring Location MW-12 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/16/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/6/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-12 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
8/2/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	4.10	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/19/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	5.10	1.00 U	1 U	1.20	1.00 U	1.00 U	--	5 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.30	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-12 - Volatile Organic Compounds

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.10	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-12 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000				5				10000			100	
8/2/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/19/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-12 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/16/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/6/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

Gude Landfill

Monitoring Location MW-12 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	100			5			2	10000
8/2/10	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/19/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-12 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location MW-13A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.174	0.005 U	0.005 U	26.5	0.01 U	0.01	0.005 U	0.2 J	0.005 U	17.5	0.232	0.0002 U
9/20/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.005 U	0.190	0.005 U	0.005 U	29.0	0.01 U	0.01	0.005 U	0.2 U	0.005 U	21.1	0.238	0.0002 U
9/17/12	0.005 U	0.005 U	0.191	0.005 U	0.005 U	25.5	0.01 U	0.01	0.006	0.2 U	0.005 U	16.8	0.262	0.0002 U
3/28/13	0.005 U	0.005 U	0.175	0.005 U	0.005 U	25.7	0.01 U	0.01	0.011	0.2	0.005 U	16.7	0.256	0.0002 U
9/18/13	0.005 U	0.005 U	0.172	0.005 U	0.005 U	25.6	0.01 U	0.01	0.005 U	0.4	0.005 U	17.6	0.346	0.0002 U
3/13/14	0.005 U	0.005 U	0.172	0.005 U	0.005 U	25.4	0.01 U	0.01	0.005 U	0.3	0.005 U	17.9	0.342	0.0002 U
9/8/14	0.005 U	0.005 U	0.165	0.005 U	0.005 U	22.3	0.01 U	0.01	0.005 U	1.8	0.005 U	16.8	0.493	0.0002 U
3/18/15	0.002 U	0.002 U	0.160	0.002 U	0.004 U	23.0	0.01 U	0.01 J	0.010 U	0.1	0.002 U	17.0	0.250	0.0002 U
9/1/15	0.001 U	0.001 U	0.190	0.001 U	0.001 U	26.0	0.01 U	0.01	0.005 U	0.1	0.001 U	18.0	0.420	0.0002 U
3/16/16	0.002 U	0.002 U	0.182	0.002 U	0.002 U	24.1	0.00 U	0.01	0.002 U	0.2 U	0.002 U	17.4	0.262	0.0002 U
8/29/16	0.002 U	0.002 U	0.195	0.002 U	0.002 U	25.1	0.00 U	0.01	0.002 U	0.3	0.002 U	18.1	0.302	0.0002 U
3/7/17	0.002 U	0.002 U	0.189	0.002 U	0.002 U	25.9	0.01	0.01	0.002 U	0.2 U	0.002 U	18.4	0.293	0.0002 U
9/18/17	0.002 U	0.002 U	0.189	0.002 U	0.002 U	28.4	0.00	0.01	0.002 U	0.2	0.002 U	20.0	0.300	0.0002 U
3/28/18	0.002 U	0.002 U	0.161	0.002 U	0.002 U	22.3	0.01	0.01	0.002 U	0.2 U	0.002 U	16.3	0.332	0.0002 U
10/10/18	0.002 U	0.002 U	0.128	0.002 U	0.002 U	20.2	0.01	0.01	0.002 U	0.4	0.002 U	15.0	0.562	0.0002 U



Gude Landfill

Monitoring Location MW-13A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.01	2.0	0.005 U	0.01 U	15.0	0.005 U	0.01 U	0.012
9/20/11	0.01	--	--	--	--	--	--	--
3/13/12	0.08	2.3	0.005 U	0.01 U	16.4	0.005 U	0.01 U	0.012
9/17/12	0.02	2.6	0.005 U	0.01 U	14.8	0.005 U	0.01 U	0.015
3/28/13	0.01	2.8	0.005 U	0.01 U	16.5	0.005 U	0.01 U	0.014
9/18/13	0.04	2.4	0.005 U	0.01 U	15.7	0.005 U	0.01 U	0.013
3/13/14	0.01	2.2	0.005 U	0.01 U	14.7	0.005 U	0.01 U	0.016
9/8/14	0.01	2.4	0.005 U	0.01 U	13.9	0.005 U	0.01 U	0.016
3/18/15	0.01 J	2.0	0.035 U	0.01 U	13.0	0.002 U	0.01 U	0.016
9/1/15	0.01 U	2.4	0.005 U	0.00 U	14.0	0.001 U	0.01 U	0.014
3/16/16	0.01	1.9	0.002 U	0.00 U	13.1	0.001 U	0.00 U	0.012
8/29/16	0.01	2.2	0.002 U	0.00 U	14.3	0.001 U	0.00 U	0.012
3/7/17	0.01	2.1	0.002	0.00 U	14.1	0.001 U	0.00 U	0.013
9/18/17	0.01	2.6	0.002 U	0.00 U	15.5	0.001 U	0.00 U	0.012
3/28/18	0.01	1.8	0.002	0.00 U	12.2	0.001 U	0.00	0.017
10/10/18	0.01	2.3	0.002 U	0.00 U	11.0	0.001 U	0.00 U	0.016

**Gude Landfill**  
**Monitoring Location MW-13A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/15/10	50.0	0.20 U	34.6	84.3000	--	--	160.0	2.4800	3	0.05 U	--	--	--	--	--
4/25/11	224.0	0.20 U	10.0 U	83.5000	--	--	128.0	2.2900	2	0.05 U	--	--	--	--	--
9/20/11	34.0	0.20 U	10.0 U	85.1000	--	--	125.0	2.1700	2	0.05 U	--	--	--	--	--
3/13/12	227.0	0.20 U	10.1	86.1000	--	--	164.0	1.9700	2	0.05 U	--	--	--	--	--
9/17/12	32.0	0.20 U	10.0 U	90.7000	--	--	148.0	2.0800	2	0.05 U	--	--	--	--	--
3/28/13	34.0	0.20 U	17.2	88.2000	--	0	132.0	1.8800	2	0.05 U	482	5.32	--	406	--
9/18/13	32.0	0.20 U	10.0 U	87.9000	--	0	136.0	1.6700	2	0.05 U	440	5.12	--	291	--
3/13/14	34.0	0.20 U	10.9	86.8000	--	0	270.0	1.5200	--	--	404	5.31	--	215	--
9/8/14	36.0	0.20 U	18.6	85.8000	--	2	148.0	1.2861	1	0.05	349	5.34	--	83	--
3/18/15	32.0	0.20 U	10.0 U	90.8000	--	0	220.0	1.5500	2	0.05 U	432	5.12	--	319	--
9/1/15	40.0	0.20 U	11.7	93.8000	--	2	152.0	1.5500	2	0.05 U	301	5.07	--	379	--
3/16/16	33.0	0.20 U	10.0 U	90.7000	--	0	128.0	1.6300	2	0.05 U	448	5.16	--	349	--
8/29/16	37.0	0.20 U	10.0 U	91.7000	--	--	142.0	1.5400	2	0.05 U	411	4.82	--	360	--
3/7/17	43.0	0.20 U	10.0 U	95.0000	--	--	134.0	1.8400	2	0.05 U	451	5.02	--	354	--
9/18/17	27.0	0.20 U	10.0 U	88.4000	--	0	136.0	1.7800	2	0.05 U	461	5.08	--	377	--
3/28/18	28.8	0.20 U	10.0 U	90.4000	--	--	230.0	1.8200	2	0.05 U	292	5.08	--	335	--
10/10/18	27.2	0.20 U	10.0 U	79.0000	--	--	117.0	1.5100	2	0.05 U	226	5.04	--	295	--
4/9/19	31.9	0.13	5.0	70.3000	--	0	104.0 B	0.2000 U	--	--	138	5.17	5.49	396	314

**Gude Landfill**  
**Monitoring Location MW-13A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/6/19	32.1	0.10 J	5.0	76.8000	--	0	102.0	1.4000	--	--	249	4.65	5.48	0	322
3/9/20	29.8	0.10 U	7.6	86.0000	--	0	132.0	1.9300	--	--	261	5.10	5.37	327	367
7/27/20	17.9	0.11	12.7	86.0000	--	1	131.0	1.9200	--	--	90	4.85	6.84	348	395

## Gude Landfill

Printed 10/24/20

### Monitoring Location MW-13A - General Parameters

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/30/10	--	3.0 U	--	--	--	--	--
9/15/10	4.0 U	--	--	380	--	1048.0	--
4/25/11	4.0 U	--	--	324	--	56.8	--
9/20/11	4.0 U	--	--	456	--	--	--
3/13/12	4.0 U	--	--	392	--	--	--
9/17/12	4.0 U	--	--	336	--	--	--
3/28/13	4.0 U	--	12.1	174	--	--	1082.0
9/18/13	4.0 U	--	14.6	348	--	--	1220.0
3/13/14	4.0 U	--	10.7	312	--	--	934.0
9/8/14	4.0 U	--	14.4	288	--	--	1349.0
3/18/15	4.0 U	--	11.1	228	--	--	42.7
9/1/15	4.0 U	--	25.1	142	--	--	73.2
3/16/16	4.0 U	--	14.1	238	--	--	27.2
8/29/16	4.0 U	--	15.9	293	--	--	46.6
3/7/17	4.0 U	--	13.3	177	--	--	14.3
9/18/17	4.0 U	--	16.5	246	--	--	14.8
3/28/18	4.0 U	--	11.8	308	--	--	11.8
10/10/18	--	--	19.3	196	--	--	10.2
4/9/19	6.2	--	13.2	195	26.8	8.9	23.0

**Gude Landfill**  
**Monitoring Location MW-13A - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/6/19	2.1	--	15.9	231	13.9	9.2	0.0
3/9/20	2.1	--	13.1	217	18.1	7.2	32.3
7/27/20	1.6	--	16.4	268	65.2	10.2	30.5

**Gude Landfill**  
**Monitoring Location MW-13A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
7/30/10	0.0010 U	0.0020	0.2300	0.0009 J	0.0010 U	--	0.0180	0.0160	0.0580	--	0.0065	--
9/15/10	0.0050 U	0.0050 U	0.3320	0.0050 U	0.0050 U	26.5	0.0240	0.0290	0.0710	28.3	0.0112	23.500
4/25/11	0.0050 U	0.0050 U	0.1990	0.0050 U	0.0050 U	23.8 J	0.0050 U	0.0079	0.0121	3.3	0.0050 U	20.700 J
9/20/11	0.0050 U	0.0050 U	0.2730	0.0050 U	0.0050 U	24.5	0.0050 U	0.0114	0.0137	3.0	0.0069	19.700
3/13/12	0.0050 U	0.0050 U	0.6870	0.0050 U	0.0050 U	29.1	0.0853	0.0683	0.1970	108.0	0.0327	47.000
9/17/12	0.0050 U	0.0050 U	0.2490	0.0050 U	0.0050 U	26.3	0.0224	0.0170	0.0421	17.3	0.0069	19.700
3/28/13	0.0050 U	0.0050 U	0.2130	0.0050 U	0.0050 U	25.0	0.0084	0.0109	0.0271	10.3	0.0050 U	18.200
9/18/13	0.0050 U	0.0050 U	0.3970	0.0050 U	0.0050 U	26.9	0.0409	0.0351	0.0900	45.7	0.0146	30.500
3/13/14	0.0050 U	0.0050 U	0.4400	0.0050 U	0.0050 U	29.0	0.0436	0.0378	0.0950	45.9	0.0172	31.900
9/8/14	0.0050 U	0.0050 U	0.4760	0.0050 U	0.0050 U	26.8	0.0342	0.0335	0.0753	44.0	0.0215	28.600
3/18/15	0.0020 U	0.0020 U	0.1800	0.0020 U	0.0040 U	23.0	0.0050 J	0.0085 J	0.0050 J	2.0	0.0020 U	17.000
9/1/15	0.0010 U	0.0015	0.3400	0.0017	0.0005 U	28.0	0.0410	0.0220	0.0480	29.0	0.0100	26.000
3/16/16	0.0020 U	0.0020 U	0.1930	0.0020 U	0.0020 U	24.4	0.0020 U	0.0076	0.0020 U	0.3	0.0020 U	17.700
8/29/16	0.0020 U	0.0020 U	0.1970	0.0020 U	0.0020 U	24.1	0.0020 U	0.0090	0.0031	1.3	0.0020 U	17.300
3/7/17	0.0050 U	0.0050 U	0.2050	0.0050 U	0.0050 U	28.1	0.0050 U	0.0085	0.0067	0.9	0.0050 U	19.600
9/18/17	0.0050 U	0.0050 U	0.2300	0.0050 U	0.0050 U	25.7	0.0050 U	0.0094	0.0125	4.0	0.0050 U	18.700
3/28/18	0.0050 U	0.0050 U	0.1800	0.0050 U	0.0050 U	26.5	0.0050 U	0.0079	0.0118	0.2 U	0.0050 U	18.000
10/10/18	0.0050 U	0.0050 U	0.1400	0.0050 U	0.0050 U	21.0	0.0050 U	0.0144	0.0050 U	1.1	0.0050 U	15.700
4/9/19	0.0010 U	0.0010 U	0.1020	0.0010 U	0.0010 U	17.1	0.0015	0.0182	0.0019	2.4	0.0010 U	14.800
8/6/19	0.0010 U	0.0010 U	0.1360	0.0010 U	0.0010 U	16.6	0.0012	0.0188	0.0027 B	0.5	0.0011	14.800
3/9/20	0.0010 U	0.0010 U	0.1650	0.0010 U	0.0010 U	20.1	0.0040	0.0174	0.0026	0.7	0.0010 U	20.000
7/27/20	0.0010 U	0.0010 U	0.1770	0.0010 U	0.0010 U	20.9	0.0032	0.0172	0.0037	0.9	0.0010 U	19.000

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-13A - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
7/30/10	--	0.0002	0.0230	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0540	0.0700
9/15/10	0.876	0.0003	0.0345	8.65	0.0050 U	0.0050 U	17.6	0.0050 U	--	0.0626	0.0902
4/25/11	0.302	0.0003	0.0100	3.03	0.0050 U	0.0050 U	16.1 J	0.0050 U	--	0.0099	0.0194
9/20/11	0.376	0.0006	--	2.72	0.0050 U	0.0050 U	15.5	0.0050 U	--	0.0094	0.0224
3/13/12	1.880	0.0026	0.0083	22.60	0.0050 U	0.0050 U	15.1	0.0050 U	--	0.2380	0.2310
9/17/12	0.540	0.0004	0.0098	6.15	0.0050 U	0.0050 U	14.9	0.0050 U	--	0.0461	0.0585
3/28/13	0.333	0.0003	0.0079	4.75	0.0050 U	0.0050 U	16.5	0.0050 U	--	0.0197	0.0330
9/18/13	1.030	0.0007	0.0083	11.30	0.0050 U	0.0050 U	12.5	0.0050 U	--	0.1130	0.1260
3/13/14	0.954	0.0014	0.0462	12.20	0.0050 U	0.0050 U	14.3	0.0050 U	--	0.0979	0.1340
9/8/14	1.300	0.0020	0.0359	11.60	0.0050 U	0.0050 U	13.3	0.0050 U	--	0.0903	0.1080
3/18/15	0.270	0.0002 U	0.0110 U	2.30	0.0350 U	0.0100 U	13.0	0.0020 U	--	0.0050 J	0.0170
9/1/15	0.320	0.0031	0.0110	8.70	0.0050 U	0.0010 U	14.0	0.0010 U	--	0.0780	0.0890
3/16/16	0.264	0.0002 U	0.0076	1.94	0.0020 U	0.0020 U	13.2	0.0010 U	--	0.0020 U	0.0122
8/29/16	0.307	0.0002 U	0.0077	2.38	0.0020 U	0.0020 U	13.3	0.0010 U	--	0.0026	0.0124
3/7/17	0.283	0.0002 U	0.0103	2.32	0.0050 U	0.0050 U	14.8	0.0050 U	--	0.0050 U	0.0158
9/18/17	0.349	0.0003	0.0105	3.07	0.0050 U	0.0050 U	13.5	0.0050 U	--	0.0094	0.0361
3/28/18	0.283	0.0002 U	0.0088	2.07	0.0050 U	0.0050 U	13.6	0.0050 U	--	0.0050 U	0.0335
10/10/18	0.591	0.0002 U	0.0115	2.51	0.0050 U	0.0050 U	11.4	0.0050 U	--	0.0050 U	0.0186
4/9/19	0.796	0.0001 U	0.0104	3.06	0.0010 U	0.0010 U	10.7	0.0010 U	--	0.0017	0.0152 B
8/6/19	0.801	0.0001 U	0.0074	2.67	0.0010 U	0.0010 U	12.0	0.0010 U	--	0.0010 U	0.0193 B
3/9/20	0.695	0.0001 U	0.0116	2.52	0.0010 U	0.0010 U	14.3	0.0010 U	--	0.0014	0.0166
7/27/20	0.603	0.0001	0.0107	2.59	0.0010 U	0.0010 U	14.4	0.0010 U	--	0.0020	0.0132

Gude Landfill

Printed 10/24/20

Monitoring Location MW-13A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	2.00	6.00
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	17.90	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	1.86 U	4.80
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	25.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	6.60
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	4.40
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	16.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	5.40
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	15.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	5.64
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	19.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.35	6.94
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	19.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.74	3.08
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	15.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	2.06	6.00
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	13.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	6.22
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	16.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.23	6.06
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	13.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.06	5.41
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	15.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.19	6.43
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	13.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.95	5.56
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	14.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.05	6.14
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	12.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.89	5.28
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	11.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.96	5.26
10/10/18	1.00 U	1.00 U	1.00 U	1.00 U	8.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.46	3.76
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	7.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.10	3.30
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	8.90	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.50	4.30

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location MW-13A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	8.20	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.20	3.60
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	8.50	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.40	3.80

**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/30/10	--	1.00 U	5.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	3.00	--	1.00 U
9/15/10	2.00 U	2.00 U	3.54	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	0.72 J	--	2 U	--	3.31	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	4.40	--	1.00 U
9/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	3.70	--	1.00 U
3/13/12	--	--	5.90	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	2.90	--	1.00 U
9/17/12	1.00 U	1.00 U	5.12	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	5.77	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.24	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	6.46	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.57	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	6.13	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.64	1.00 U	--
9/8/14	1.00 U	1.00 U	5.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.28	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	5.25	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.27	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	3.68	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.71	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	5.69	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.09	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	5.19	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.88	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	6.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.03	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	4.80	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.66	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	4.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.70	1.00 U	1.00 U
10/10/18	1.00 U	1.00 U	3.22	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.21	1.00 U	1.00 U
4/9/19	--	1.00 U	2.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/6/19	--	1.00 U	3.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/9/20	--	1.00 U	2.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/27/20	--	1.00 U	2.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.0 U	1.00 U	1.00 U	--	100.00	1.00 U	1.00 U	8.00	--
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.01 J	1.0 J	2.00 U	0.96 J	--	76.70	2.00 U	2.00 U	34.30	--
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	6.40	--	96.00	1.00 U	1.00 U	--	--
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	3.70	--	1.00 U	1.00 U	1.00 U	--	--
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.0 U	1.00 U	1.00 U	--	97.00	1.00 U	1.00 U	--	--
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	79.80	1.00 U	1.00 U	6.30	--
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.64	1.0 U	1.00 U	1.00 U	--	105.00	1.00 U	1.00 U	6.15	--
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 J	1.0 U	1.00 U	1.00 U	--	120.00	1.00 U	1.00 U	7.23	--
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.81	1.0 U	1.00 U	1.00 U	--	94.20	1.00 U	1.00 U	4.42	--
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.66	1.0 U	1.00 U	1.00 U	--	81.60	1.00 U	1.00 U	3.89	--
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.57	1.0 U	1.00 U	1.00 U	--	95.90	1.00 U	1.00 U	3.83	--
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.28	1.0 U	1.17	1.00 U	--	81.50	1.00 U	1.00 U	2.34	--
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.58	1.0 U	1.57	1.00 U	--	95.80	1.00 U	1.00 U	3.44	--
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.46	1.0 U	1.37	1.00 U	--	86.70	1.00 U	1.00 U	2.66	--
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.70	1.0 U	1.50	1.00 U	--	92.40	1.00 U	1.00 U	2.88	--
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.49	1.0 U	1.28	1.00 U	--	80.70	1.00 U	1.00 U	2.33	--
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.41	1.0 U	1.33	1.00 U	--	74.80	1.00 U	1.00 U	2.18	--
10/10/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.01	1.0 U	1.00 U	1.00 U	--	49.90	1.00 U	1.00 U	1.69	--
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	46.50	1.00 U	1.00 U	--	5 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.10	1.00 U	1 U	59.50	1.00 U	1.00 U	--	5 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	3.00	1.00 U	1 U	51.60	1.00 U	1.00 U	--	5 U
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	7.50	1.00 U	1 U	55.50	1.00 U	1.00 U	--	5 U

**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000				5				10000			100
7/30/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	10.00	--	--	1.00 U	--	--	1.00 U
9/15/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	0.61 J	2.00 U	8.07	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/25/11	1.00 U	--	--	--	1.00 U	--	3.10	1.00 U	10.00	--	--	--	--	--	1.00 U
9/20/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	9.20	--	--	--	--	--	1.00 U
3/13/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	3.20	--	--	--	--	--	1.00 U
9/17/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	6.02	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	6.49	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.04	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.88	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.59	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.36	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.63	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.95	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.48	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.73	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.31	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.05	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
10/10/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.03	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.90	--	--	1.00 U	--	--	1.00 U
8/6/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.70 J	--	--	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location MW-13A - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
3/9/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	2.00 B	--	--	1.00 U	--	--	1.00 U
7/27/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.80	--	--	1.00 U	--	--	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-13A - Volatile Organic Compounds

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	100			5			2	10000
7/30/10	--	35.00	1.00 U	4.00	1.00 U	5.00 U	33.00	1.00 U	1 U	8.00	--
9/15/10	2.00 U	22.20	2.00 U	3.26	2.00 U	2.00 U	26.90	1.50 U	2 U	11.10	--
4/25/11	--	17.00	1.00 U	7.30	1.00 U	5.00 U	23.00	3.80	1 U	14.00	1 U
9/20/11	--	25.00	1.00 U	6.20	1.00 U	5.00 U	28.00	4.60	1 U	18.00	1 U
3/13/12	--	28.00	1.00 U	3.50	1.00 U	5.00 U	32.00	1.00 U	1 U	8.60	1 U
9/17/12	1.00 U	25.70	1.00 U	1.00 U	1.00 U	5.00 U	30.20	1.00 U	5 U	8.58	--
3/28/13	1.00 U	27.80	1.00 U	4.00	1.00 U	5.00 U	33.90	1.00 U	5 U	10.10	--
9/18/13	1.00 U	24.20	1.00 U	4.76	1.00 U	5.00 U	37.10	1.00 U	5 U	9.83	--
3/13/14	1.00 U	21.70	1.00 U	3.31	1.00 U	5.00 U	28.30	1.00 U	5 U	8.14	--
9/8/14	1.00 U	18.00	1.00 U	3.14	1.00 U	5.00 U	28.90	1.00 U	5 U	6.74	--
3/18/15	1.00 U	17.20	1.00 U	3.63	1.00 U	5.00 U	25.10	1.00 U	5 U	7.91	--
9/1/15	1.00 U	11.90	1.00 U	2.57	1.00 U	5.00 U	21.80	1.00 U	5 U	6.00	--
3/16/16	1.00 U	18.80	1.00 U	3.38	1.00 U	5.00 U	27.00	1.00 U	5 U	7.67	--
8/29/16	1.00 U	15.30	1.00 U	2.95	1.00 U	5.00 U	22.80	1.00 U	5 U	6.66	--
3/7/17	1.00 U	17.30	1.00 U	3.28	1.00 U	5.00 U	25.40	1.00 U	5 U	7.27	--
9/18/17	1.00 U	13.10	1.00 U	2.74	1.00 U	5.00 U	18.70	1.00 U	5 U	5.78	--
3/28/18	1.00 U	12.10	1.00 U	2.61	1.00 U	5.00 U	19.50	1.00 U	5 U	5.42	--
10/10/18	1.00 U	8.30	1.00 U	1.87	1.00 U	5.00 U	13.20	1.00 U	5 U	4.18	--
4/9/19	--	7.10	1.00 U	1.60	1.00 U	1.00 U	11.70	1.00 U	1 U	3.80	--
8/6/19	--	8.40	1.00 U	1.80	1.00 U	1.00 U	14.10	1.00 U	1 U	3.90	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



Gude Landfill

Printed 10/24/20

Monitoring Location MW-13A - Volatile Organic Compounds

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/9/20	--	7.20	1.00 U	1.60	1.00 U	1.00 U	10.90	1.00 U	1 U	2.30	--
7/27/20	--	8.10	1.00 U	1.50	1.00 U	1.00 U	11.90	1.00 U	1 U	2.30	--

**Gude Landfill**  
**Monitoring Location MW-13B - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.072	0.005 U	0.005 U	84.3	0.01 U	0.01 U	0.005 U	0.6	0.005 U	29.0	0.031	0.0002 U
9/20/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.005 U	0.077	0.005 U	0.005 U	77.0	0.01 U	0.01 U	0.005 U	0.4	0.005 U	27.4	0.037	0.0002 U
9/17/12	0.005 U	0.005 U	0.078	0.005 U	0.005 U	87.0	0.01 U	0.01 U	0.005 U	0.3	0.005 U	29.8	0.040	0.0003
3/28/13	0.005 U	0.005 U	0.074	0.005 U	0.005 U	81.9	0.01 U	0.01 U	0.010	0.5	0.005 U	26.4	0.032	0.0002 U
9/18/13	0.005 U	0.005 U	0.076	0.005 U	0.005 U	83.4	0.01 U	0.01 U	0.005 U	0.4	0.005 U	28.9	0.033	0.0002
3/13/14	0.005 U	0.005 U	0.079	0.005 U	0.005 U	89.4	0.01 U	0.01 U	0.005 U	0.5	0.005 U	30.7	0.036	0.0002 U
9/8/14	0.005 U	0.005 U	0.080	0.005 U	0.005 U	82.5	0.01 U	0.01 U	0.005 U	0.5	0.005 U	28.9	0.037	0.0002 U
3/18/15	0.002 U	0.002 U	0.070	0.002 U	0.004 U	87.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	29.0	0.025	0.0002 U
9/1/15	0.001 U	0.001	0.069	0.001 U	0.001 U	89.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	29.0	0.032	0.0002 U
3/16/16	0.002 U	0.002 U	0.077	0.002 U	0.002 U	84.4	0.00 U	0.00 U	0.002 U	0.5	0.002 U	29.2	0.036	0.0002 U
8/29/16	0.002 U	0.002 U	0.076	0.002 U	0.002 U	85.3	0.00 U	0.00 U	0.002 U	0.5	0.002 U	31.1	0.036	0.0002 U
3/7/17	0.002 U	0.002 U	0.073	0.002 U	0.002 U	87.1	0.01	0.00 U	0.002 U	0.4	0.002 U	30.4	0.034	0.0002 U
9/18/17	0.002 U	0.002 U	0.072	0.002 U	0.002 U	82.5	0.00 U	0.00 U	0.002 U	0.4	0.002 U	29.4	0.037	0.0002 U
3/28/18	0.002 U	0.002 U	0.070	0.002 U	0.002 U	85.7	0.01	0.00 U	0.002 U	0.2 U	0.002 U	27.0	0.032	0.0002 U
10/10/18	0.002 U	0.002 U	0.074	0.002 U	0.002 U	89.3	0.01	0.00 U	0.002 U	0.1 U	0.002 U	31.6	0.035	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-13B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.01 U	3.1	0.005 U	0.01 U	17.7	0.005 U	0.01 U	0.005 U
9/20/11	0.01 U	--	--	--	--	--	--	--
3/13/12	0.01	3.6	0.005 U	0.01 U	16.2	0.005 U	0.01 U	0.005 U
9/17/12	0.01	3.7	0.005 U	0.01 U	17.4	0.005 U	0.01 U	0.008
3/28/13	0.01 U	4.9	0.005 U	0.01 U	19.0	0.005 U	0.01 U	0.005 U
9/18/13	0.01	3.7	0.005 U	0.01 U	16.3	0.005 U	0.01 U	0.007
3/13/14	0.01	3.8	0.005 U	0.01 U	17.9	0.005 U	0.01 U	0.006
9/8/14	0.01 U	3.6	0.005 U	0.01 U	17.9	0.005 U	0.01 U	0.008
3/18/15	0.01 U	3.4	0.035 U	0.01 U	17.0	0.002 U	0.01 U	0.010 U
9/1/15	0.01 U	3.7	0.005 U	0.00 U	18.0	0.001 U	0.01 U	0.005 U
3/16/16	0.00	3.3	0.002 U	0.00 U	17.5	0.001 U	0.00 U	0.002 U
8/29/16	0.00	3.5	0.002 U	0.00 U	18.8	0.001 U	0.00 U	0.002 U
3/7/17	0.00	3.4	0.003	0.00 U	18.3	0.001 U	0.00 U	0.002 U
9/18/17	0.00	3.3	0.002 U	0.00 U	17.5	0.001 U	0.00 U	0.002 U
3/28/18	0.00	3.1	0.003	0.00 U	16.5	0.001 U	0.00	0.002
10/10/18	0.00	3.6	0.003	0.00 U	18.9	0.001 U	0.00	0.002 U

## Gude Landfill Monitoring Location MW-13B - General Parameters

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10		1					
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/15/10	230.0	0.20 U	6.2 J	84.6000	--	--	360.0	1.4670	1	0.05 U	--	--	--	--	--
4/25/11	720.0	0.20 U	9.6	84.7000	--	--	313.0	1.6200	2	0.05 U	--	--	--	--	--
9/20/11	226.0	0.20 U	3.4	85.5000	--	--	67.0	1.6000	2	0.05 U	--	--	--	--	--
3/13/12	742.0	0.20 U	12.1	89.5000	--	--	334.0	1.8800	2	0.05 U	--	--	--	--	--
9/17/12	226.0	0.20 U	10.0 U	86.4000	--	--	316.0	2.0800	2	0.05 U	--	--	--	--	--
3/28/13	224.0	0.20 U	10.0 U	91.0000	--	0	314.0	2.2700	2	0.05 U	429	6.20	--	781	--
9/18/13	221.0	0.20 U	10.0 U	89.4000	--	0	328.0	2.4400	2	0.05 U	593	6.07	--	674	--
3/13/14	218.0	0.20 U	10.0 U	92.4000	--	0	340.0	2.7000	--	--	369	6.15	--	676	--
9/8/14	221.0	0.20 U	10.0 U	97.1000	--	2	342.0	2.9100	3	0.05 U	364	6.28	--	717	--
3/18/15	212.0	0.20 U	10.0 U	99.8000	--	0	368.0	3.3100	3	0.05 U	310	6.70	--	615	--
9/1/15	216.0	0.20 U	10.0 U	99.2000	--	2	344.0	3.4600	3	0.05 U	345	6.10	--	710	--
3/16/16	209.0	0.20 U	10.0 U	97.9000	--	0	324.0	3.6800	4	0.05 U	374	6.14	--	700	--
8/29/16	214.0	0.20 U	10.0 U	98.5000	--	--	340.0	3.7400	4	0.05 U	339	5.90	--	709	--
3/7/17	217.0	0.20 U	11.8	105.0000	--	--	340.0	4.0100	4	0.05 U	405	5.95	--	676	--
9/18/17	210.0	0.20 U	10.0 U	92.6000	--	--	344.0	4.2400	4	0.05 U	396	6.09	--	674	--
3/28/18	209.0	0.20 U	12.4	107.0000	--	--	350.0	3.9500	4	0.05 U	208	6.19	--	671	--
10/10/18	205.0	0.20 U	10.0 U	111.0000	--	--	358.0	4.2000	4	0.05 U	211	5.86	--	670	--
4/9/19	209.0	0.10 U	7.0	115.0000	--	0	318.0 B	0.2000 U	--	--	127	5.96	6.23	949	799

**Gude Landfill**  
**Monitoring Location MW-13B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
8/6/19	207.0	0.12	4.3	116.0000	--	0	319.0	5.6000	--	--	202	5.72	6.33	1	790
3/9/20	204.0	0.10 U	10.6	98.4000	--	1	355.0	5.8800	--	--	231	5.99	6.10	639	757
7/27/20	189.0	0.10 U	7.1	99.0000	--	1	305.0	4.5700	--	--	199	5.85	6.11	639	772

**Gude Landfill**  
**Monitoring Location MW-13B - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
7/30/10	--	3.0 U	--	--	--	--	--
9/15/10	6.2	--	--	540	--	0.2	--
4/25/11	4.0 U	--	--	572	--	0.4	--
9/20/11	6.7	--	--	640	--	--	--
3/13/12	7.6	--	--	560	--	--	--
9/17/12	7.6	--	--	480	--	--	--
3/28/13	7.3	--	12.7	474	--	--	0.0
9/18/13	8.3	--	13.0	502	--	--	0.0
3/13/14	9.4	--	12.5	458	--	--	0.7
9/8/14	10.5	--	13.4	454	--	--	0.0
3/18/15	11.4	--	12.0	472	--	--	0.7
9/1/15	10.2	--	14.8	412	--	--	0.5
3/16/16	12.5	--	13.3	464	--	--	0.0
8/29/16	12.6	--	13.7	508	--	--	0.0
3/7/17	13.5	--	13.1	429	--	--	0.0
9/18/17	12.9	--	13.0	456	--	--	0.0
3/28/18	14.9	--	12.1	506	--	--	0.0
10/10/18	--	--	13.4	506	--	--	0.0
4/9/19	15.7	--	13.5	545	4.9	0.7	2.3

**Gude Landfill**  
**Monitoring Location MW-13B - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
8/6/19	15.8	--	13.9	504	2.3 U	0.5 U	0.0
3/9/20	16.4	--	11.9	456	4.8 U	0.5 U	11.5
7/27/20	14.9	--	15.0	481	2.3 U	0.5 U	2.6

**Gude Landfill**  
**Monitoring Location MW-13B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
7/30/10	0.0010 U	0.0007 J	0.0570	0.0010 U	0.0010 U	--	0.0010 U	0.0010 U	0.0008 J	--	0.0010 U	--	--
9/15/10	0.0050 U	0.0050 U	0.0676	0.0050 U	0.0050 U	82.7	0.0050 U	0.0050 U	0.0063	0.6	0.0050 U	27.600	0.031
4/25/11	0.0050 U	0.0050 U	0.0730	0.0050 U	0.0050 U	80.5	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	31.400 J	0.032
9/20/11	0.0050 U	0.0050 U	0.0706	0.0050 U	0.0050 U	83.4	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	31.200	0.032
3/13/12	0.0050 U	0.0050 U	0.0746	0.0050 U	0.0050 U	91.2	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	32.200	0.038
9/17/12	0.0050 U	0.0050 U	0.0676	0.0050 U	0.0050 U	81.4	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	26.900	0.040
3/28/13	0.0050 U	0.0050 U	0.0748	0.0050 U	0.0050 U	83.0	0.0050 U	0.0050 U	0.0100	0.5	0.0050 U	28.100	0.033
9/18/13	0.0050 U	0.0050 U	0.0754	0.0050 U	0.0050 U	86.2	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	30.400	0.037
3/13/14	0.0050 U	0.0050 U	0.0794	0.0050 U	0.0050 U	90.0	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	30.200	0.034
9/8/14	0.0050 U	0.0050 U	0.0814	0.0050 U	0.0050 U	85.2	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	28.700	0.036
3/18/15	0.0020 U	0.0020 U	0.0700	0.0020 U	0.0040 U	86.0	0.0100 U	0.0100 U	0.0012 J	0.0 U	0.0020 U	29.000	0.026
9/1/15	0.0010 U	0.0010 U	0.0730	0.0010 U	0.0005 U	89.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U	29.000	0.030
3/16/16	0.0020 U	0.0020 U	0.0770	0.0020 U	0.0020 U	84.9	0.0020 U	0.0020 U	0.0020 U	0.5	0.0020 U	29.200	0.036
8/29/16	0.0020 U	0.0020 U	0.0745	0.0020 U	0.0020 U	83.7	0.0020 U	0.0020 U	0.0020 U	0.5	0.0020 U	30.100	0.035
3/7/17	0.0020 U	0.0020 U	0.0734	0.0020 U	0.0020 U	83.5	0.0029	0.0020 U	0.0020 U	0.4	0.0020 U	28.900	0.035
9/18/17	0.0020 U	0.0020 U	0.0732	0.0020 U	0.0020 U	81.7	0.0020 U	0.0020 U	0.0020 U	0.4	0.0020 U	28.300	0.037
3/28/18	0.0020 U	0.0020 U	0.0700	0.0020 U	0.0020 U	84.6	0.0068	0.0020 U	0.0020 U	0.2 U	0.0020 U	27.800	0.033
10/10/18	0.0020 U	0.0020 U	0.0746	0.0020 U	0.0020 U	88.1	0.0046	0.0020 U	0.0020 U	0.1 U	0.0020 U	33.400	0.034
4/9/19	0.0010 U	0.0010 U	0.0738	0.0010 U	0.0010 U	76.9	0.0013	0.0010 U	0.0037	0.2	0.0010 U	30.600	0.043
8/6/19	0.0010 U	0.0010 U	0.0723	0.0010 U	0.0010 U	74.4	0.0012	0.0010 U	0.0010 U	0.1 U	0.0010 U	32.200	0.040
3/9/20	0.0010 U	0.0010 U	0.0739	0.0010 U	0.0010 U	81.0	0.0010 U	0.0010 U	0.0010 U	0.0 J	0.0010 U	37.100	0.037
7/27/20	0.0010 U	0.0010 U	0.0695	0.0010 U	0.0010 U	69.9	0.0010 U	0.0010 U	0.0010 U	0.0 J	0.0010 U	31.700	0.029



**Gude Landfill**  
**Monitoring Location MW-13B - Total Metals**

Printed 10/24/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002			
7/30/10	0.0002	0.0022	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0140
9/15/10	0.0002	0.0050 U	3.30	0.0050 U	0.0050 U	19.9	0.0050 U	--	0.0050 U	0.0050 U
4/25/11	0.0002 U	0.0050 U	4.07	0.0050 U	0.0050 U	18.2 U	0.0050 U	--	0.0050 U	0.0050 U
9/20/11	0.0002 U	--	3.53	0.0050 U	0.0050 U	17.9	0.0050 U	--	0.0050 U	0.0050 U
3/13/12	0.0002 U	0.0053	3.50	0.0050 U	0.0050 U	18.9	0.0050 U	--	0.0050 U	0.0050
9/17/12	0.0003	0.0070	3.67	0.0050 U	0.0050 U	15.9	0.0050 U	--	0.0050 U	0.0062
3/28/13	0.0002	0.0050 U	4.71	0.0050 U	0.0050 U	19.9	0.0050 U	--	0.0050 U	0.0050 U
9/18/13	0.0003	0.0050 U	3.35	0.0050 U	0.0050 U	16.4	0.0050 U	--	0.0050 U	0.0066
3/13/14	0.0002	0.0051	3.66	0.0050 U	0.0050 U	17.7	0.0050 U	--	0.0050 U	0.0064
9/8/14	0.0002	0.0050 U	3.45	0.0050 U	0.0050 U	17.7	0.0050 U	--	0.0050 U	0.0054
3/18/15	0.0002	0.0110 U	3.40	0.0350 U	0.0100 U	17.0	0.0020 U	--	0.0100 U	0.0100 U
9/1/15	0.0002 U	0.0100 U	3.80	0.0050 U	0.0010 U	19.0	0.0010 U	--	0.0050 U	0.0050 U
3/16/16	0.0002 U	0.0028	3.26	0.0020 U	0.0020 U	17.6	0.0010 U	--	0.0020 U	0.0020 U
8/29/16	0.0002 U	0.0025	3.34	0.0020 U	0.0020 U	18.2	0.0010 U	--	0.0020 U	0.0020 U
3/7/17	0.0002 U	0.0045	3.25	0.0025	0.0020 U	17.4	0.0010 U	--	0.0020 U	0.0020 U
9/18/17	0.0002 U	0.0021	3.26	0.0020 U	0.0020 U	16.9	0.0010 U	--	0.0020 U	0.0020 U
3/28/18	0.0002 U	0.0042	3.24	0.0029	0.0020 U	17.2	0.0010 U	--	0.0026	0.0020 U
10/10/18	0.0002 U	0.0052	3.79	0.0026	0.0020 U	20.2	0.0010 U	--	0.0020 U	0.0020 U
4/9/19	0.0004	0.0028	3.59	0.0010 U	0.0010 U	19.5	0.0010 U	--	0.0010	0.0040 U
8/6/19	0.0003	0.0014	3.47	0.0010 U	0.0010 U	20.3	0.0010 U	--	0.0010 U	0.0050 B
3/9/20	0.0002	0.0020	3.51	0.0010 U	0.0010 U	20.4	0.0010 U	--	0.0010 U	0.0040 U
7/27/20	0.0002	0.0023	3.45	0.0010 U	0.0010 U	19.1	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-13B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0	3.00	9.00
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	17.80	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.5 J	3.11	6.54
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	4.60	7.40
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	15.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0	1.00 U	7.50
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	13.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	7.73
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	17.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.87	8.01
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	16.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.1	2.52	7.87
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	13.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	2.50	6.96
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	14.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.64	5.44
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	12.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.35	6.23
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	12.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.19	6.03
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	13.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.32	6.58
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	10.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.94	5.53
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	10.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.97	5.82
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	7.38	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.70	7.97
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	9.75	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.02	5.65
10/10/18	1.00 U	1.00 U	1.00 U	1.00 U	9.02	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.84	4.93
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	9.90	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.70	5.30
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	9.10	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.40	4.60

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location MW-13B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	8.70	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.40	5.20
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	8.20	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.60	4.90

**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
7/30/10	--	1.00 U	12.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	6.00	--	1.00 U
9/15/10	2.00 U	2.00 U	8.86	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	0.87 J	--	2 U	--	5.56	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	35.00	--	5 U	--	1.00 U	--	1.00 U
9/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	6.30	--	1.00 U
3/13/12	--	--	11.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	4.60	--	1.00 U
9/17/12	1.00 U	1.00 U	9.67	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	10.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.56	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	11.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.17	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	9.56	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.61	1.00 U	--
9/8/14	1.00 U	1.00 U	8.49	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.28	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	8.23	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.18	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	7.91	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.96	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	8.87	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.11	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	7.86	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.58	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	8.95	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.56	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	8.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.53	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	8.06	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.25	1.00 U	1.00 U
10/10/18	1.00 U	1.00 U	7.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.91	1.00 U	1.00 U
4/9/19	--	1.00 U	6.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.50	--	5 U	1 U	1.60	--	1.00 U
8/6/19	--	1.00 U	6.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.60	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/9/20	--	1.00 U	6.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.60	--	1.00 U
7/27/20	--	1.00 U	6.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.60	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0 U	1.00 U	1.00 U	--	140.00	1.00 U	1.00 U	8.00	--
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.63 J	1.1 J	2.00 U	0.76 J	--	101.00	2.00 U	2.00 U	33.20	--
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	4.60	--	3.90	1.00 U	1.00 U	--	--
9/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.0 U	1.00 U	1.00 U	--	110.00	1.00 U	1.00 U	--	--
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	82.00	1.00 U	1.00 U	6.31	--
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.03	1.0 U	1.00 U	1.00 U	--	102.00	1.00 U	1.00 U	7.35	--
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.29	1.0 U	1.00 U	1.00 U	--	109.00	1.00 U	1.00 U	7.76	--
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.98	1.0 U	1.00 U	1.00 U	--	83.50	1.00 U	1.00 U	4.58	--
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.67	1.0 U	1.00 U	1.00 U	--	79.50	1.00 U	1.00 U	6.76	--
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.81	1.0 U	1.00 U	1.00 U	--	79.60	1.00 U	1.00 U	4.26	--
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.75	1.0 U	1.00 U	1.00 U	--	73.50	1.00 U	1.00 U	3.74	--
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.92	1.0 U	1.00 U	1.00 U	--	78.40	1.00 U	1.00 U	4.45	--
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.62	1.0 U	1.00 U	1.00 U	--	67.50	1.00 U	1.00 U	3.18	--
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.72	1.0 U	1.00 U	1.00 U	--	69.00	1.00 U	1.00 U	3.15	--
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.59	1.0 U	1.00 U	1.00 U	--	46.10	1.00 U	1.00 U	2.02	--
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.68	1.0 U	1.00 U	1.00 U	--	63.30	1.00 U	1.00 U	2.64	--
10/10/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.44	1.0 U	1.00 U	1.00 U	--	54.10	1.00 U	1.00 U	2.84	--
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	1 U	58.40	1.00 U	1.00 U	--	5 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	1 U	56.70	1.00 U	1.00 U	--	5 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.0 U	1.00 U	1.00 U	1 U	57.00	1.00 U	1.00 U	--	5 U
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	1 U	58.70	1.00 U	1.00 U	--	5 U

**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000				5				10000			100
7/30/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	11.00	--	--	1.00 U	--	--	1.00 U
9/15/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	0.96 J	2.00 U	8.50	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/25/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/20/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	11.00	--	--	--	--	--	1.00 U
3/13/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	4.20	--	--	--	--	--	1.00 U
9/17/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.95	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	7.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	6.55	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.62	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.53	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.84	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.71	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.95	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.95	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.99	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.44	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.51	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
10/10/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.07	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	3.70	--	--	1.00 U	--	--	1.00 U
8/6/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	3.00 J	--	--	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



**Gude Landfill**  
**Monitoring Location MW-13B - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
3/9/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	2.50 B	--	--	1.00 U	--	--	1.00 U
7/27/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	2.70	--	--	1.00 U	--	--	1.00 U

Gude Landfill

Monitoring Location MW-13B - Volatile Organic Compounds

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	100			5			2	10000
7/30/10	--	38.00	1.00 U	5.00	1.00 U	5.00 U	38.00	2.00	1 U	13.00	--
9/15/10	2.00 U	22.70	2.00 U	4.45	2.00 U	2.00 U	32.00	1.71 U	2 U	17.20	--
4/25/11	--	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/20/11	--	27.00	1.00 U	7.30	1.00 U	5.00 U	28.00	4.70	1 U	25.00	1 U
3/13/12	--	30.00	1.00 U	4.30	1.00 U	5.00 U	32.00	1.30	1 U	12.00	1 U
9/17/12	1.00 U	26.50	1.00 U	1.00 U	1.00 U	5.00 U	27.60	1.00 U	5 U	9.83	--
3/28/13	1.00 U	27.00	1.00 U	4.22	1.00 U	5.00 U	29.50	1.27	5 U	11.40	--
9/18/13	1.00 U	24.20	1.00 U	4.18	1.00 U	5.00 U	34.50	1.00 U	5 U	9.96	--
3/13/14	1.00 U	21.10	1.00 U	3.31	1.00 U	5.00 U	22.90	1.00 U	5 U	8.49	--
9/8/14	1.00 U	16.80	1.00 U	3.60	1.00 U	5.00 U	20.20	1.09	5 U	10.80	--
3/18/15	1.00 U	15.80	1.00 U	3.03	1.00 U	5.00 U	19.00	1.00 U	5 U	8.03	--
9/1/15	1.00 U	15.20	1.00 U	2.89	1.00 U	5.00 U	20.70	1.00 U	5 U	7.37	--
3/16/16	1.00 U	16.70	1.00 U	3.18	1.00 U	5.00 U	19.90	1.00 U	5 U	8.09	--
8/29/16	1.00 U	14.20	1.00 U	2.57	1.00 U	5.00 U	16.60	1.00 U	5 U	6.51	--
3/7/17	1.00 U	15.60	1.00 U	2.69	1.00 U	5.00 U	17.20	1.00 U	5 U	6.40	--
9/18/17	1.00 U	14.60	1.00 U	1.75	1.00 U	5.00 U	20.50	1.00 U	5 U	4.42	--
3/28/18	1.00 U	13.40	1.00 U	2.32	1.00 U	5.00 U	15.40	1.00 U	5 U	5.26	--
10/10/18	1.00 U	12.50	1.00 U	2.21	1.00 U	5.00 U	13.80	1.00 U	5 U	5.46	--
4/9/19	--	9.70	1.00 U	2.30	1.00 U	1.00 U	12.30	1.00 U	1 U	6.00	--
8/6/19	--	9.90	1.00 U	2.20	1.00 U	1.00 U	11.00	1.00 U	1 U	5.60	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-13B - Volatile Organic Compounds

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/9/20	--	11.20	1.00 U	2.10	1.00 U	1.00 U	11.90	1.00 U	1 U	5.00	--
7/27/20	--	11.30	1.00 U	2.20	1.00 U	1.00 U	12.30	1.00 U	1 U	5.20	--

Gude Landfill

Printed 10/24/20

Monitoring Location MW-14A - Dissolved Metals

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Lead, dissolved (mg/L)	Mercury, dissolved (mg/L)	Nickel, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Thallium, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05		0.002
9/2/11	0.001 U	0.001 U	0.420	0.001 U	0.001	0.00 J	0.00	0.002	0.001 J	0.0002 U	0.04	0.001 U	0.00 U	0.001 U

**Gude Landfill**  
**Monitoring Location MW-14A - Dissolved Metals**

Printed 10/24/20

	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS		
9/2/11	0.01 U	0.071

**Gude Landfill**  
**Monitoring Location MW-14A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	ORP, Field (mV)	pH (SU)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS					0.2			10						
9/2/11	16.0	0.26	56.0	300.0000	0.050 U	--	490.0	2.6000	--	5.40	--	--	--	980
4/18/19	17.6	0.10 U	10.0	160.0000	--	7	173.0	3.3000	228	--	5.35	5.54	731	590
8/5/19	7.5	0.10 U	16.6	354.0000	--	7	323.0	5.4000	232	--	4.91	5.45	1	1160
3/17/20	15.7	0.10 U	3.0 U	242.0000	--	7	236.0	2.8400	247	--	5.05	5.52	1085	876
8/6/20	11.4	0.10 U	17.9	301.0000	--	6	295.0	2.5700	331	--	5.33	5.28	962	1080

**Gude Landfill**  
**Monitoring Location MW-14A - General Parameters**

Printed 10/24/20

	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS							
9/2/11	11.0	3.0 UH	--	720	--	360.0	--
4/18/19	15.5	--	17.3	526	125.0	9.1	8.2
8/5/19	24.4	--	17.1	1020	64.0	11.2	8.9
3/17/20	15.7	--	18.2	603	317.0	13.4	28.1
8/6/20	15.0	--	18.4	633	405.0	107.0	318.2

**Gude Landfill**  
**Monitoring Location MW-14A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/2/11	0.0010 U	0.0007 J	0.6200	0.0010 U	0.0007	--	0.0270	0.0150	0.0460	--	0.0023	--
4/18/19	0.0010 U	0.0010 U	0.2420	0.0010 U	0.0010 U	30.0	0.0106	0.0042	0.0107	2.4	0.0010 U	23.800
8/5/19	0.0010 U	0.0010 U	0.4190	0.0010 U	0.0010 U	55.8	0.0077	0.0040	0.0086 B	2.2	0.0010 U	44.700
3/17/20	0.0010 U	0.0010 U	0.3110	0.0010 U	0.0010 U	40.7	0.0100	0.0032	0.0094	1.4	0.0010 U	32.700
8/6/20	0.0010 U	0.0010 U	0.4740	0.0010 U	0.0010 U	46.5	0.0344	0.0121	0.0447	13.2	0.0019	43.500



**Gude Landfill**  
**Monitoring Location MW-14A - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
9/2/11	--	0.0002 U	0.0730	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0350	0.0830
4/18/19	0.039	0.0001 U	0.0243	2.98	0.0010 U	0.0010 U	40.9	0.0010 U	--	0.0061	0.0407
8/5/19	0.046	0.0001 U	0.0343	3.71	0.0010 U	0.0010 U	69.8	0.0010 U	--	0.0055	0.0683
3/17/20	0.030	0.0001 U	0.0286	3.22	0.0010 U	0.0010 U	60.4	0.0010 U	--	0.0029	0.0487
8/6/20	0.136	0.0001 U	0.0610	5.73	0.0010 U	0.0010 U	67.3	0.0010 U	--	0.0327	0.0962

**Gude Landfill**  
**Monitoring Location MW-14A - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7				0.2	0.05	600	5	5	
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-14A - Volatile Organic Compounds**

Printed 10/24/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)
MCL/ GWPS	75									5		80	80			5
9/2/11	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	8.90	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/6/20	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-14A - Volatile Organic Compounds**

Printed 10/24/20

	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)
MCL/ GWPS	100		80			70		80			700		10000			
9/2/11	1.00 U	1.0 U	0.90 J	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	2.00 U	20.00 U	--	--
4/18/19	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
8/5/19	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
3/17/20	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
8/6/20	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-14A - Volatile Organic Compounds**

Printed 10/24/20

	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS		5	10000	100	5	1000	100			5			2
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-14B - Dissolved Metals

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Lead, dissolved (mg/L)	Mercury, dissolved (mg/L)	Nickel, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Thallium, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05		0.002
9/2/11	0.001 U	0.001 U	0.012	0.001 U	0.001 U	0.00	0.00 U	0.001 U	0.001 U	0.0002 U	0.00	0.001 U	0.00 U	0.001 U

**Gude Landfill**  
**Monitoring Location MW-14B - Dissolved Metals**

Printed 10/24/20

	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS		
9/2/11	0.01 U	0.012

**Gude Landfill**  
**Monitoring Location MW-14B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	ORP, Field (mV)	pH (SU)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS					0.2			10							
9/2/11	35.0	0.27	20.0 U	7.5000	0.050 U	--	38.0	2.7000	--	5.80	--	--	--	120	0.2 U
4/18/19	34.3	0.10 U	11.0	20.7000	--	5	59.1	5.4000	148	--	5.81	5.99	214	174	2.5
8/6/19	35.6	0.10 U	6.5	23.6000	--	5	65.4 B	5.2000	135	--	5.48	5.87	0	187	2.1
3/17/20	33.5	0.10 U	7.4	20.2000	--	5	59.9	5.0900	188	--	5.56	6.04	203	178	2.1
8/6/20	25.6	0.10 U	19.6	17.9000	--	5	57.9	4.3700	283	--	5.94	2.31	1630	2480	2.7



**Gude Landfill**  
**Monitoring Location MW-14B - General Parameters**

Printed 10/24/20

	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/2/11	3.0 UH	--	140	--	2.7	--
4/18/19	--	15.0	184	95.2	6.6	6.2
8/6/19	--	16.2	164	67.5	4.4	4.3
3/17/20	--	14.9	134	27.1	3.5	10.5
8/6/20	--	17.8	122	7.7	4.1	2.1

**Gude Landfill**  
**Monitoring Location MW-14B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
9/2/11	0.0010 U	0.0010 U	0.0130	0.0010 U	0.0010 U	--	0.0016	0.0010 U	0.0010 U	--	0.0010 U	--	--
4/18/19	0.0010 U	0.0010 U	0.0172	0.0010 U	0.0010 U	11.8	0.0037	0.0010 U	0.0022	0.4	0.0010 U	7.200	0.014
8/6/19	0.0010 U	0.0010 U	0.0176	0.0010 U	0.0010 U	13.0 B	0.0041	0.0010 U	0.0014	0.6	0.0010 U	7.980	0.021
3/17/20	0.0010 U	0.0010 U	0.0154	0.0010 U	0.0010 U	11.7	0.0064	0.0010 U	0.0010 U	0.2	0.0010 U	7.430	0.005
8/6/20	0.0010 U	0.0010 U	0.0175	0.0010 U	0.0010 U	11.8	0.0046	0.0010 U	0.0017	0.3	0.0010 U	6.910	0.006

**Gude Landfill**  
**Monitoring Location MW-14B - Total Metals**

Printed 10/24/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002			
9/2/11	0.0002 U	0.0014	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0100 U
4/18/19	0.0001 J	0.0030	1.53	0.0010 U	0.0010 U	8.0	0.0010 U	--	0.0010 U	0.0055
8/6/19	0.0001 U	0.0037	1.53	0.0010 U	0.0010 U	8.5 B	0.0010 U	--	0.0010 U	0.0071 B
3/17/20	0.0001 U	0.0048	1.47	0.0010 U	0.0010 U	8.0	0.0010 U	--	0.0010 U	0.0040 U
8/6/20	0.0001 U	0.0029	1.52	0.0010 U	0.0010 U	8.0	0.0010 U	--	0.0010 U	0.0144

**Gude Landfill**  
**Monitoring Location MW-14B - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7				0.2	0.05	600	5	5	
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-14B - Volatile Organic Compounds**

Printed 10/24/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)
MCL/ GWPS	75									5		80	80			5
9/2/11	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	6.90	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/6/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/6/20	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-14B - Volatile Organic Compounds**

Printed 10/24/20

	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)
MCL/ GWPS	100		80			70		80			700		10000			
9/2/11	1.00 U	1.0 U	2.00	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	2.00 U	20.00 U	--	--
4/18/19	1.00 U	1.0 U	1.30	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
8/6/19	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
3/17/20	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
8/6/20	1.00 U	1.0 U	1.30	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-14B - Volatile Organic Compounds**

Printed 10/24/20

	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS		5	10000	100	5	1000	100			5			2
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-15 - Dissolved Metals

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Lead, dissolved (mg/L)	Mercury, dissolved (mg/L)	Nickel, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Thallium, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05		0.002
9/2/11	0.001 U	0.001 U	0.027	0.001 U	0.001 U	0.00 J	0.00	0.001 U	0.001 U	0.0002 U	0.00	0.001 U	0.00 U	0.001 U



**Gude Landfill**  
**Monitoring Location MW-15 - Dissolved Metals**

Printed 10/24/20

	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS		
9/2/11	0.01 U	0.016

**Gude Landfill**  
**Monitoring Location MW-15 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	ORP, Field (mV)	pH (SU)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS					0.2			10							
9/2/11	30.0	0.39	51.0	11.0000	0.050 U	--	63.0	3.1000	--	5.70	--	--	--	120	0.3
4/18/19	24.0	0.10 U	12.0	25.3000	--	5	71.8	5.2000	234	--	5.52	5.78	215	175	3.8
8/7/19	1.0 U	0.15	6.5	28.1000	--	5	81.5 B	5.3000	237	--	5.17	5.61	0	522	80.6
3/17/20	25.1	0.10 U	5.1	37.0000	--	1	90.0	4.8900	226	--	5.27	5.77	303	228	8.7
8/6/20	16.7	0.10 U	13.7	30.6000	--	4	78.2	4.5700	327	--	5.48	5.56	191	211	10.0

**Gude Landfill**  
**Monitoring Location MW-15 - General Parameters**

Printed 10/24/20

	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/2/11	3.0 UH	--	100	--	440.0	--
4/18/19	--	16.6	448	1500.0	114.0	203.0
8/7/19	--	17.0	162	144.0	58.2	54.0
3/17/20	--	16.5	164	627.0	82.2	58.8
8/6/20	--	18.3	151	734.0	81.5	38.8

**Gude Landfill**  
**Monitoring Location MW-15 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/2/11	0.0010 U	0.0018	0.1600	0.0010 U	0.0010 U	--	0.0120	0.0130	0.0560	--	0.0052	--
4/18/19	0.0010 U	0.0010 U	0.0829	0.0010 U	0.0010 U	10.4	0.0134	0.0053	0.0598	11.4	0.0025	11.100
8/7/19	0.0010 U	0.0010 U	0.0905	0.0010 U	0.0010 U	11.5 B	0.0180	0.0055	0.0453	13.1	0.0028	12.800
3/17/20	0.0010 U	0.0010 U	0.0983	0.0010 U	0.0010 U	12.6	0.0175	0.0054	0.0416	12.4	0.0024	14.200
8/6/20	0.0010 U	0.0010 U	0.0872	0.0010 U	0.0010 U	11.0	0.0105	0.0039	0.0313	8.8	0.0023	12.300

**Gude Landfill**  
**Monitoring Location MW-15 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
9/2/11	--	0.0002 U	0.0150	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0120	0.0500
4/18/19	0.167	0.0001 U	0.0152	1.98	0.0016	0.0010 U	7.2	0.0010 U	--	0.0100	0.0488
8/7/19	0.194	0.0001 U	0.0199	1.89	0.0023	0.0010 U	8.2 B	0.0010 U	--	0.0092	0.0550 B
3/17/20	0.188	0.0001 U	0.0198	2.03	0.0018	0.0010 U	10.9	0.0010 U	--	0.0090	0.0477
8/6/20	0.141	0.0001 U	0.0126	2.03	0.0016	0.0010 U	9.2	0.0010 U	--	0.0078	0.0402

Gude Landfill

Printed 10/24/20

Monitoring Location MW-15 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7				0.2	0.05	600	5	5	
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-15 - Volatile Organic Compounds**

Printed 10/24/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)
MCL/ GWPS	75									5		80	80			5
9/2/11	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	--	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.60 B	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/20	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/6/20	1.00 U	1.00 U	5.00 U	5.00 U	5 U	5.00 U	--	5 U	1 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-15 - Volatile Organic Compounds**

Printed 10/24/20

	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)
MCL/ GWPS	100		80			70		80			700		10000			
9/2/11	1.00 U	1.0 U	2.00	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	2.00 U	20.00 U	--	--
4/18/19	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
8/7/19	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
3/17/20	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U
8/6/20	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U	1.00 U	1.00 U	5 U	1.00 U



**Gude Landfill**  
**Monitoring Location MW-15 - Volatile Organic Compounds**

Printed 10/24/20

	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS		5	10000	100	5	1000	100			5			2
9/2/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/17/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/6/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-16A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/12/17	0.002 U	0.003	0.305	0.002 U	0.002 U	26.1	0.00 U	0.01	0.002 U	11.9	0.002 U	31.2	9.060	0.0002 U
3/27/18	0.002 U	0.005	0.298	0.002 U	0.002 U	25.0	0.01	0.01	0.002 U	11.6	0.002 U	30.2	9.990	0.0002 U
9/6/18	0.002 U	0.003	0.264	0.002 U	0.002 U	21.4	0.01	0.01	0.002 U	10.6	0.002 U	25.3	9.010	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-16A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/12/17	0.01	3.3	0.004	0.00 U	72.2	0.001 U	0.00 U	0.005
3/27/18	0.01	3.5	0.005	0.00 U	72.4	0.001 U	0.00 U	0.005
9/6/18	0.01	3.4	0.003	0.00 U	65.6	0.001 U	0.00 U	0.006

**Gude Landfill**  
**Monitoring Location MW-16A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/12/17	235.0	0.20 U	31.8	105.0000	0	270.0	0.2000 U	0 U	0.05 U	133	6.43	--	791	--	13.0
3/27/18	229.0	0.20 U	32.6	108.0000	--	330.0	0.2000 U	0 U	0.05 U	-19	6.39	--	699	--	14.1
9/6/18	224.0	0.20 U	28.2	72.4000	--	165.0	2.1700	2	0.05 U	-38	6.23	--	655	--	14.9
4/9/19	200.0	0.19	21.0	37.2000	0	138.0 B	0.5000	--	--	-21	6.16	6.43	746	604	16.4
8/5/19	217.0	0.13	32.8	59.4000	0	153.0	8.4000	--	--	0	6.02	6.40	1	659	20.0
3/10/20	240.0	0.18	29.6	73.0000	0	186.0	3.8100	--	--	-38	6.26	6.49	782	731	20.5
8/3/20	215.0	0.12	40.9	64.5000	1	203.0	7.8400	--	--	45	6.04	6.44	675	718	20.0

**Gude Landfill**  
**Monitoring Location MW-16A - General Parameters**

Printed 10/24/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/12/17	20.2	463	--	--	4.3
3/27/18	14.9	426	--	--	1.3
9/6/18	23.8	358	--	--	7.0
4/9/19	21.3	365	72.7	25.7	36.4
8/5/19	22.4	408	29.3	37.1	6.6
3/10/20	20.6	431	21.6	28.7	19.8
8/3/20	21.1	448	393.0	389.0	50.3

**Gude Landfill**  
**Monitoring Location MW-16A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/12/17	0.0050 U	0.0050 U	0.3180	0.0050 U	0.0050 U	46.8	0.0050 U	0.0073	0.0067	12.2	0.0050 U	55.000
3/27/18	0.0050 U	0.0050 U	0.3000	0.0050 U	0.0050 U	27.1	0.0050 U	0.0076	0.0050 U	12.7	0.0050 U	31.300
9/6/18	0.0020 U	0.0035	0.2640	0.0020 U	0.0020 U	22.3	0.0043	0.0060	0.0035	11.6	0.0020 U	26.700
4/9/19	0.0010 U	0.0021	0.2170	0.0010 U	0.0010 U	16.4	0.0215	0.0070	0.0078	6.9	0.0013	23.700
8/5/19	0.0010 U	0.0022	0.2340	0.0010 U	0.0010 U	17.6	0.0161	0.0055	0.0080 B	7.6	0.0018	26.600
3/10/20	0.0010 U	0.0031	0.3090	0.0010 U	0.0010 U	20.7	0.0076	0.0071	0.0024	10.5	0.0010 U	32.600
8/3/20	0.0010 U	0.0049	0.3580	0.0011	0.0010 U	20.8	0.0631	0.0181	0.0787	20.4	0.0106	36.600

**Gude Landfill  
Monitoring Location MW-16A - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/12/17	8.830	0.0002 U	0.0089	3.57	0.0050 U	0.0050 U	125.0	0.0050 U	0.0050 U	0.0493
3/27/18	9.510	0.0002 U	0.0069	3.64	0.0050 U	0.0050 U	81.1	0.0050 U	0.0050 U	0.0273
9/6/18	9.570	0.0002 U	0.0068	3.55	0.0031	0.0020 U	68.3	0.0010 U	0.0020 U	0.0096
4/9/19	12.700	0.0001 U	0.0193	3.53	0.0010 U	0.0010 U	59.6	0.0010 U	0.0017	0.0246 B
8/5/19	9.060	0.0001 U	0.0140	3.39	0.0010 U	0.0010 U	70.0	0.0010 U	0.0012	0.0183 B
3/10/20	10.700	0.0001 U	0.0104	3.98	0.0010 U	0.0010 U	85.9	0.0010 U	0.0010 U	0.0084
8/3/20	11.000	0.0003	0.0574	6.48	0.0042	0.0010 U	78.8	0.0010 U	0.0142	0.1360

Gude Landfill

Printed 10/24/20

Monitoring Location MW-16A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U



**Gude Landfill**  
**Monitoring Location MW-16A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/12/17	1.00 U	1.00 U	3.99	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	3.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	2.79	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	--	1.00 U	1.30	1.00 U	5.00 U	--	5.00 U	--	5 U	6.30 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/5/19	--	1.00 U	1.50	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/10/20	--	1.00 U	2.00	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/3/20	--	1.00 U	2.00	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-16A - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/12/17	1.00 U	1.00 U	5.00 U	1.00 U	12.00	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/27/18	1.00 U	1.00 U	5.00 U	1.00 U	11.20	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	6.77	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	4.10	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	6.00	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	4.70	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U

**Gude Landfill**  
**Monitoring Location MW-16A - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/12/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
8/5/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
3/10/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
8/3/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-16A - Volatile Organic Compounds**

Printed 10/24/20

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-16B - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/12/17	0.002 U	0.002	0.064	0.002 U	0.002 U	84.0	0.00 U	0.01	0.002 U	1.5	0.002 U	71.6	12.900	0.0002 U
3/27/18	0.002 U	0.005	0.058	0.002 U	0.002 U	81.7	0.01	0.01	0.002 U	1.0	0.002 U	69.1	14.200	0.0002 U
9/6/18	0.002 U	0.002	0.029	0.002 U	0.002 U	60.1	0.01	0.01	0.002 U	0.7	0.002 U	47.4	8.600	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-16B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/12/17	0.02	4.2	0.008	0.00 U	47.3	0.001 U	0.00 U	0.011
3/27/18	0.02	4.3	0.012	0.00 U	48.9	0.001 U	0.00 U	0.016
9/6/18	0.01	3.5	0.006	0.00 U	32.2	0.001 U	0.00 U	0.006

**Gude Landfill**  
**Monitoring Location MW-16B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/12/17	167.0	0.20 U	30.7	329.0000	--	460.0	1.5400	2	0.05 U	301	6.01	--	1246	--	8.4
3/27/18	168.0	0.20 U	39.8	338.0000	--	124.0	1.4900	2	0.05 U	30	6.08	--	1219	--	8.6
9/6/18	128.0	0.20 U	22.2	180.0000	--	342.0	3.5800	4	0.05 U	118	5.99	--	871	--	17.6
4/9/19	146.0	0.10 U	30.0	210.0000	0	329.0 B	0.2000 U	--	--	83	5.94	6.23	1174	961	14.7
8/5/19	151.0	0.10 U	27.4	257.0000	0	368.0	2.3000	--	--	106	5.66	6.09	1	1050	7.8
3/10/20	159.0	0.10 U	39.6	126.0000	1	436.0	0.4800	--	--	107	5.95	6.20	1150	1110	3.9
8/3/20	144.0	0.10 U	46.0	208.0000	3	354.0	0.9900	--	--	142	6.43	6.05	942	992	5.8

**Gude Landfill**  
**Monitoring Location MW-16B - General Parameters**

Printed 10/24/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/12/17	19.0	825	--	--	4.7
3/27/18	13.8	774	--	--	2.2
9/6/18	19.9	498	--	--	6.8
4/9/19	19.4	588	7.5	4.3	3.7
8/5/19	19.4	719	2.3 U	3.3	9.8
3/10/20	19.6	650	2.6	6.0	0.7
8/3/20	22.7	529	3.7	0.6	3.5



**Gude Landfill**  
**Monitoring Location MW-16B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/12/17	0.0050 U	0.0050 U	0.0743	0.0050 U	0.0050 U	88.5	0.0050 U	0.0139	0.0063	2.0	0.0050 U	76.100
3/27/18	0.0020 U	0.0050	0.0590	0.0020 U	0.0020 U	82.8	0.0052	0.0125	0.0020 U	0.9	0.0020 U	70.000
9/6/18	0.0020 U	0.0025	0.0289	0.0020 U	0.0020 U	59.3	0.0035	0.0085	0.0020 U	0.8	0.0020 U	47.100
4/9/19	0.0010 U	0.0010 U	0.0271	0.0010 U	0.0010 U	51.7	0.0044	0.0078	0.0015	0.7	0.0010 U	48.600
8/5/19	0.0010 U	0.0011	0.0279	0.0010 U	0.0010 U	54.8	0.0017	0.0078	0.0010 U	1.0	0.0010 U	56.100
3/10/20	0.0010 U	0.0014	0.0299	0.0010 U	0.0010 U	63.0	0.0049	0.0089	0.0031	1.3	0.0010 U	67.600
8/3/20	0.0010 U	0.0010 U	0.0312	0.0010 U	0.0010 U	56.4	0.0065	0.0102	0.0026	0.1	0.0010 U	51.700

**Gude Landfill**  
**Monitoring Location MW-16B - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/12/17	13.100	0.0002 U	0.0216	4.43	0.0062	0.0050 U	50.3	0.0050 U	0.0050 U	0.0468
3/27/18	15.000	0.0002 U	0.0196	4.22	0.0117	0.0020 U	48.1	0.0010 U	0.0020 U	0.0178
9/6/18	8.510	0.0002 U	0.0130	3.49	0.0059	0.0020 U	31.8	0.0010 U	0.0020 U	0.0064
4/9/19	16.300	0.0001 U	0.0172	3.61	0.0010 U	0.0010 U	36.0	0.0010 U	0.0010 U	0.0067 B
8/5/19	10.000	0.0001 U	0.0134	3.63	0.0010 U	0.0010 U	39.9	0.0010 U	0.0010 U	0.0080 B
3/10/20	12.300	0.0001 U	0.0150	4.18	0.0010 U	0.0010 U	49.4	0.0010 U	0.0010 U	0.0073
8/3/20	11.700	0.0001 U	0.0244	3.85	0.0010 U	0.0010 U	37.7	0.0010 U	0.0010 U	0.0122

Gude Landfill

Printed 10/24/20

Monitoring Location MW-16B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-16B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/12/17	1.00 U	1.00 U	7.56	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.25	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	5.57	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.10	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	3.89	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	--	1.00 U	3.90	1.00 U	5.00 U	--	5.00 U	--	5 U	9.50 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/5/19	--	1.00 U	5.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/10/20	--	1.00 U	5.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/3/20	--	1.00 U	4.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-16B - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/12/17	1.00 U	1.00 U	5.00 U	1.00 U	12.20	1.0 U	1.00 U	1.00 U	--	6.59	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/27/18	1.00 U	1.00 U	5.00 U	1.00 U	10.50	1.0 U	1.00 U	1.00 U	--	4.83	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	9.52	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	10.30	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	11.80	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	11.50	1.0 U	1.00 U	1.00 U	1 U	1.10	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	9.90	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U

**Gude Landfill**  
**Monitoring Location MW-16B - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/12/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
8/5/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
3/10/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
8/3/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-16B - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-19A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/18/17	0.002 U	0.002 U	0.128	0.002 U	0.002 U	47.7	0.00 U	0.00	0.003	0.2	0.002 U	34.4	1.250	0.0002 U
4/4/18	0.002 U	0.002 U	0.125	0.002 U	0.002 U	42.2	0.00	0.00	0.002 U	0.1 U	0.002 U	30.8	1.180	0.0002 U
9/11/18	0.002 U	0.002 U	0.112	0.002 U	0.002 U	45.5	0.00 U	0.00	0.002	0.1 U	0.002 U	35.1	1.440	0.0002 U



Gude Landfill

Printed 10/24/20

Monitoring Location MW-19A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/18/17	0.00	4.0	0.002 U	0.00 U	90.6	0.001 U	0.00 U	0.013
4/4/18	0.01	3.8	0.002 U	0.00 U	101.0	0.001 U	0.00 U	0.013
9/11/18	0.01	3.7	0.002 U	0.00 U	82.9	0.001 U	0.00 U	0.023

**Gude Landfill**  
**Monitoring Location MW-19A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/18/17	60.0	0.20 U	10.0 U	288.0000	1	268.0	2.0300	2	0.05 U	414	5.80	--	1090	--	11.3
4/4/18	50.5	0.20 U	10.0 U	304.0000	--	243.0	2.5700	3	0.05 U	290	5.78	--	962	--	12.9
9/11/18	52.3	0.20 U	10.0 U	290.0000	--	255.0	2.0600	2	0.05 U	207	5.66	--	1005	--	12.8
4/12/19	57.2	0.10 U	5.0	267.0000	0	269.0 B	2.1000	--	--	181	5.71	5.86	1192	1010	13.6
8/7/19	61.4	0.10 U	3.0 U	290.0000	0	268.0 B	2.3000	--	--	191	5.42	5.95	1	1040	13.5
3/12/20	58.4	0.10 J	3.0 U	257.0000	1	268.0	2.1300	--	--	256	5.54	5.97	1196	990	14.0
8/5/20	32.4	0.10 U	9.9	262.0000	1	268.0	1.8300	--	--	233	5.88	5.77	863	1070	13.2

**Gude Landfill**  
**Monitoring Location MW-19A - General Parameters**

Printed 10/24/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/18/17	17.9	685	--	--	0.0
4/4/18	14.1	646	--	--	5.2
9/11/18	19.7	593	--	--	0.0
4/12/19	14.4	795	81.0	13.4	9.1
8/7/19	15.2	797	17.0	34.3	8.3
3/12/20	13.4	643	47.9	3.5	11.2
8/5/20	15.5	583	259.0	38.5	103.7

**Gude Landfill**  
**Monitoring Location MW-19A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
9/18/17	0.0050 U	0.0050 U	0.1400	0.0050 U	0.0050 U	48.5	0.0050 U	0.0050	0.0094	1.7	0.0050 U	35.700	1.370
4/4/18	0.0020 U	0.0020 U	0.1250	0.0020 U	0.0020 U	43.9	0.0020 U	0.0032	0.0020 U	0.1 U	0.0020 U	32.400	1.200
9/11/18	0.0020 U	0.0020 U	0.1150	0.0020 U	0.0020 U	46.8	0.0020 U	0.0048	0.0187	0.1 U	0.0020 U	33.600	1.560
4/12/19	0.0010 U	0.0010 U	0.1180	0.0010 U	0.0010 U	45.2	0.0024	0.0119	0.0059	1.8 B	0.0010 U	37.900	1.710
8/7/19	0.0010 U	0.0010 U	0.1100	0.0010 U	0.0010 U	44.0 B	0.0026	0.0069	0.0066	0.9	0.0011	38.400	1.530 U
3/12/20	0.0010 U	0.0010 U	0.1070	0.0010 U	0.0010 U	44.6	0.0010 U	0.0054	0.0010 U	0.3	0.0010 U	38.100	1.610
8/5/20	0.0010 U	0.0010 U	0.1240	0.0010 U	0.0010 U	42.9	0.0048	0.0108	0.0077	3.0	0.0017	39.000	1.720

**Gude Landfill**  
**Monitoring Location MW-19A - Total Metals**

Printed 10/24/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002		
9/18/17	0.0007	0.0071	4.02	0.0050 U	0.0050 U	100.0	0.0050 U	0.0050 U	0.0398
4/4/18	0.0007	0.0059	3.97	0.0020 U	0.0020 U	97.1	0.0010 U	0.0020 U	0.0131
9/11/18	0.0007	0.0085	3.50	0.0020 U	0.0020 U	86.8	0.0010 U	0.0020 U	0.0301
4/12/19	0.0008	0.0094	3.78	0.0010 U	0.0010 U	79.2	0.0010 U	0.0021	0.0344 B
8/7/19	0.0004	0.0084	3.74	0.0010 U	0.0010 U	85.1 B	0.0010 U	0.0010 U	0.0313 B
3/12/20	0.0007	0.0070	3.71	0.0010 U	0.0010 U	80.0	0.0010 U	0.0010 U	0.0272
8/5/20	0.0005	0.0117	3.83	0.0014	0.0010 U	79.5	0.0010 U	0.0044	0.0406

Gude Landfill

Printed 10/24/20

Monitoring Location MW-19A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7					0.2	0.05	600	5	5
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	1.07	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.48	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.54	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	2.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	2.50	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-19A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/12/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.00 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/7/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/12/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/5/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-19A - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/18/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.52	1.00 U	1.00 U	1.83	--	1.00 U	--
4/4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.27	1.00 U	1.00 U	3.12	--	1.00 U	--
9/11/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.31	1.00 U	1.00 U	3.60	--	1.00 U	--
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	7.00	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	5.90	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	6.50	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	7.30	1.00 U	1.00 U	--	5 U	1.00 U	100 U



**Gude Landfill**  
**Monitoring Location MW-19A - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	
MCL/ GWPS		10000					5			10000			100		5	
9/18/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.22
4/4/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.24
9/11/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.16
4/12/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	1.80
8/7/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	1.40
3/12/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	1.60
8/5/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	1.90

**Gude Landfill**  
**Monitoring Location MW-19A - Volatile Organic Compounds**

Printed 10/24/20

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.99	1.00 U	5 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.44	1.00 U	5 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.45	1.00 U	5 U	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.00 U	1 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	2.30	1.00 U	1 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-19B - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/18/17	0.002 U	0.002 U	0.028	0.002 U	0.002 U	77.9	0.00 U	0.00 U	0.002 U	0.3	0.002 U	22.3	0.029	0.0002 U
4/4/18	0.002 U	0.002 U	0.027	0.002 U	0.002 U	64.4	0.00	0.00 U	0.002 U	0.1 U	0.002 U	23.3	0.018	0.0002 U
9/11/18	0.002 U	0.002 U	0.030	0.002 U	0.002 U	63.1	0.00	0.00 U	0.002 U	0.1 U	0.002 U	28.0	0.026	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-19B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/18/17	0.00	2.0	0.002 U	0.00 U	19.4	0.001 U	0.00 U	0.002 U
4/4/18	0.00	2.1	0.002 U	0.00 U	20.6	0.001 U	0.00 U	0.002
9/11/18	0.00	2.2	0.002 U	0.00 U	19.0	0.001 U	0.00 U	0.002

**Gude Landfill**  
**Monitoring Location MW-19B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/18/17	106.0	0.20 U	10.0 U	128.0000	--	262.0	1.2800	1	0.05 U	338	6.18	--	552	--	6.6
4/4/18	99.6	0.20 U	10.0 U	147.0000	--	268.0	1.5200	2	0.05 U	191	6.04	--	605	--	7.3
9/11/18	96.0	0.20 U	10.0 U	154.0000	--	288.0	1.5100	2	0.05 U	232	5.84	--	674	--	7.8
4/12/19	104.0	0.10 U	5.0	173.0000	0	295.0 B	1.6000	--	--	156	5.95	6.09	906	754	9.7
8/7/19	105.0	0.10 U	4.2	172.0000	0	282.0 B	1.9000	--	--	168	5.66	6.10	1	766	9.3
3/12/20	105.0	0.10 U	7.8	178.0000	0	302.0	1.5000	--	--	191	5.79	6.10	953	788	10.2
8/5/20	41.7	0.10 U	13.2	180.0000	1	302.0	1.3500	--	--	159	6.45	5.99	681	864	44.8

**Gude Landfill**  
**Monitoring Location MW-19B - General Parameters**

Printed 10/24/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/18/17	15.5	458	--	--	3.9
4/4/18	14.5	437	--	--	2.6
9/11/18	15.3	455	--	--	4.2
4/12/19	14.0	677	41.4	5.7	8.1
8/7/19	15.2	614	18.0	10.0	9.9
3/12/20	13.0	575	6.2	2.3	4.1
8/5/20	16.0	497	6.7	7.1	3.9

**Gude Landfill**  
**Monitoring Location MW-19B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
9/18/17	0.0050 U	0.0050 U	0.0354	0.0050 U	0.0050 U	65.9	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	22.900	0.036
4/4/18	0.0050 U	0.0050 U	0.0337	0.0050 U	0.0050 U	69.0	0.0050 U	0.0050 U	0.0050 U	0.1	0.0050 U	23.300	0.027
9/11/18	0.0050 U	0.0050 U	0.0308	0.0050 U	0.0050 U	67.7	0.0050 U	0.0050 U	0.0050 U	0.1	0.0050 U	28.900	0.026
4/12/19	0.0010 U	0.0010 U	0.0362	0.0010 U	0.0010 U	64.6	0.0076	0.0010 U	0.0018	0.5 B	0.0010 U	32.400	0.048
8/7/19	0.0010 U	0.0010 U	0.0336	0.0010 U	0.0010 U	61.5 B	0.0047	0.0010 U	0.0020	0.5	0.0010 U	31.100	0.031
3/12/20	0.0010 U	0.0010 U	0.0334	0.0010 U	0.0010 U	65.7	0.0010 U	0.0010 U	0.0010 U	0.1	0.0010 U	33.600	0.030
8/5/20	0.0010 U	0.0010 U	0.0364	0.0010 U	0.0010 U	65.5	0.0015	0.0010 U	0.0016	0.4	0.0010 U	33.700	0.031

**Gude Landfill**  
**Monitoring Location MW-19B - Total Metals**

Printed 10/24/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002		
9/18/17	0.0002 U	0.0050 U	2.00	0.0050 U	0.0050 U	19.6	0.0050 U	0.0050 U	0.0227
4/4/18	0.0002 U	0.0050 U	2.02	0.0050 U	0.0050 U	19.3	0.0050 U	0.0050 U	0.0192
9/11/18	0.0003	0.0050 U	2.28	0.0050 U	0.0050 U	21.7	0.0050 U	0.0050 U	0.0050 U
4/12/19	0.0003	0.0047	2.47	0.0010 U	0.0010 U	22.9	0.0010 U	0.0010 U	0.0142 B
8/7/19	0.0003	0.0045	2.32	0.0010 U	0.0010 U	22.5 B	0.0010 U	0.0010 U	0.0070 B
3/12/20	0.0002	0.0032	2.44	0.0010 U	0.0010 U	23.3	0.0010 U	0.0010 U	0.0040 U
8/5/20	0.0002	0.0039	2.49	0.0010 U	0.0010 U	23.2	0.0010 U	0.0011	0.0044



Gude Landfill

Printed 10/24/20

Monitoring Location MW-19B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	4.25	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	4.01	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	4.21	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	5.20	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	4.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	4.70	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	4.80	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-19B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.12	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/12/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	6.00 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/7/19	--	1.00 U	1.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/12/20	--	1.00 U	1.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/5/20	--	1.00 U	1.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-19B - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/18/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	10.90	1.00 U	1.00 U	5.90	--	1.00 U	--
4/4/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.00	1.00 U	1.00 U	5.57	--	1.00 U	--
9/11/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.60	1.00 U	1.00 U	5.92	--	1.00 U	--
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	15.00	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	14.40	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	15.20	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.0 U	1.00 U	1.00 U	1 U	16.50	1.00 U	1.00 U	--	5 U	1.00 U	100 U

**Gude Landfill**  
**Monitoring Location MW-19B - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/18/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.84
4/4/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.30
9/11/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.44
4/12/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.20	--	--	1.00 U	--	--	1.00 U	--	2.30
8/7/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.10	--	--	1.00 U	--	--	1.00 U	--	2.20
3/12/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.10	--	--	1.00 U	--	--	1.00 U	--	2.10
8/5/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	2.30

Gude Landfill

Monitoring Location MW-19B - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	3.94	1.00 U	5 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	4.22	1.00 U	5 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	4.46	1.15	5 U	1.00 U
4/12/19	1.00 U	1.00 U	1.00 U	1.00 U	4.90	1.00 U	1 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	4.30	1.00 U	1 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	4.30	1.00 U	1 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	4.80	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-21A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/18/17	0.002 U	0.002 U	0.197	0.002 U	0.002 U	50.3	0.00 U	0.02	0.002	0.3	0.002 U	38.9	13.800	0.0002 U
4/2/18	0.002 U	0.002 U	0.135	0.002 U	0.002 U	55.7	0.01	0.02	0.003	0.1 U	0.002 U	29.9	6.490	0.0002 U
9/6/18	0.002 U	0.002 U	0.215	0.002 U	0.002 U	72.4	0.01	0.02	0.003	3.2	0.002 U	32.6	5.360	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-21A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/18/17	0.01	10.0	0.002 U	0.00 U	59.7	0.001 U	0.00 U	0.014
4/2/18	0.01	12.3	0.002 U	0.00 U	41.8	0.001 U	0.00 U	0.020
9/6/18	0.01	25.0	0.002 U	0.00 U	36.3	0.001 U	0.00	0.013

**Gude Landfill**  
**Monitoring Location MW-21A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)
MCL/ GWPS							10		1					
9/18/17	302.0	5.40	14.8	117.0000	0	328.0	1.0700	1	0.05 U	316	6.17	--	956	--
4/2/18	276.0	3.34	21.6	52.6000	--	249.0	2.5400	3	0.05 U	194	6.38	--	664	--
9/6/18	362.0	5.81	23.7	40.5000	--	307.0	0.3570	0	0.05 U	72	6.28	--	819	--
4/18/19	452.0	11.90	37.0	106.0000	0	366.0	0.2000 U	--	--	2	6.29	6.41	15	1120
7/29/19	262.0	7.05	26.3	147.0000	0	303.0 B	0.9000	--	--	200	6.05	5.91	1025	1100
3/11/20	81.9	4.99	19.1	56.9000	1	289.0	1.3600	--	--	58	6.22	6.28	702	832
7/30/20	379.0	8.46	32.8	104.0000	1	321.0	0.2600	--	--	24	6.12	6.31	1036	1100



**Gude Landfill**

**Monitoring Location MW-21A - General Parameters**

	Sulfate, total (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS						
9/18/17	23.4	17.0	508	--	--	2.3
4/2/18	34.3	10.7	339	--	--	3.5
9/6/18	23.6	25.3	454	--	--	6.9
4/18/19	17.0	12.1	624	10.7	35.8	8.7
7/29/19	66.1	17.7	633	8.8	20.0	3.1
3/11/20	174.0	11.3	523	12.7	11.4	16.3
7/30/20	18.1	20.7	578	72.0	14.1	26.7

**Gude Landfill**  
**Monitoring Location MW-21A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/18/17	0.0050 U	0.0050 U	0.2050	0.0050 U	0.0050 U	53.5	0.0050 U	0.0228	0.0050 U	0.6	0.0050 U	40.100
4/2/18	0.0050 U	0.0050 U	0.1530	0.0050 U	0.0050 U	53.2	0.0050 U	0.0160	0.0050 U	0.2	0.0050 U	28.300
9/6/18	0.0020 U	0.0020 U	0.2020	0.0020 U	0.0020 U	70.1	0.0086	0.0236	0.0072	2.4	0.0020 U	32.200
4/18/19	0.0010 U	0.0026	0.4760	0.0010 U	0.0010 U	69.4	0.0020	0.1390	0.0027	18.8	0.0010 U	46.900
7/29/19	0.0010 U	0.0010 U	0.3100	0.0010 U	0.0010 U	53.6 B	0.0012	0.0832	0.0054	8.1	0.0010 U	41.100
3/11/20	0.0010 U	0.0010 U	0.2130	0.0010 U	0.0010 U	50.7	0.0010 U	0.0670	0.0010 U	6.3	0.0010 U	39.600
7/30/20	0.0010 U	0.0016	0.3330	0.0010 U	0.0010 U	59.8	0.0010	0.0759	0.0015	11.7	0.0010 U	41.600

**Gude Landfill**  
**Monitoring Location MW-21A - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/18/17	13.800	0.0002 U	0.0078	9.91	0.0050 U	0.0050 U	67.0	0.0050 U	0.0050 U	0.0287
4/2/18	6.610	0.0002 U	0.0108	11.80	0.0050 U	0.0050 U	43.2	0.0050 U	0.0050 U	0.0442
9/6/18	5.940	0.0002 U	0.0139	23.50	0.0020 U	0.0020 U	35.7	0.0010 U	0.0023	0.0147
4/18/19	16.100	0.0006	0.0263	25.30	0.0010 U	0.0010 U	66.4	0.0013	0.0010 U	0.0395
7/29/19	13.800	0.0001 U	0.0185	17.80	0.0010 U	0.0010 U	80.5 B	0.0010 U	0.0010 U	0.0185
3/11/20	9.830	0.0001 U	0.0124	13.70	0.0010 U	0.0010 U	50.0	0.0010 U	0.0010 U	0.0116
7/30/20	10.500	0.0001 U	0.0128	22.90	0.0010 U	0.0010 U	67.1	0.0010 U	0.0010 U	0.0114

Gude Landfill

Printed 10/24/20

Monitoring Location MW-21A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	3.27	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	6.10	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.70
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	3.90	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.20

**Gude Landfill**  
**Monitoring Location MW-21A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/18/19	--	1.00 U	1.10	1.00 U	5.00 U	--	5.00 U	--	5 U	6.10 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/29/19	--	1.00 U	1.50	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/11/20	--	1.00 U	1.00 J	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/30/20	--	1.00 U	1.00 J	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-21A - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/18/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	10.00	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/2/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.03	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	1.03	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	1 U	9.80	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	20.50	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	5.40	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	12.80	1.00 U	1.00 U	--	5 U	1.00 U	100 U

**Gude Landfill**  
**Monitoring Location MW-21A - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	
MCL/ GWPS	10000					5				10000			100		5	
9/18/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.79
4/2/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/18/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	3.50
7/29/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	5.40
3/11/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	1.50
7/30/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	2.30

Gude Landfill

Monitoring Location MW-21A - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	4.88	1.00 U	5 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.92	1.00 U	5 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	5.60	1.00 U	1 U	1.40
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	11.30	1.00 U	1 U	2.30
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	3.50	1.00 U	1 U	1.00 U
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	7.70	1.00 U	1 U	1.40



**Gude Landfill**  
**Monitoring Location MW-21B - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/18/17	0.002 U	0.002 U	0.052	0.002 U	0.002 U	50.4	0.00 U	0.00 U	0.002 U	3.6	0.002 U	17.2	3.120	0.0002 U
4/2/18	0.002 U	0.002	0.090	0.002 U	0.002 U	85.5	0.01	0.01	0.002 U	22.7	0.002 U	27.1	4.280	0.0002 U
9/6/18	0.002 U	0.003	0.165	0.002 U	0.002 U	91.1	0.01	0.04	0.002 U	75.8	0.002 U	36.7	5.700	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-21B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/18/17	0.00 U	32.0	0.002 U	0.00 U	42.3	0.001 U	0.00 U	0.002 U
4/2/18	0.01	14.5	0.005	0.00 U	53.1	0.001 U	0.00 U	0.003
9/6/18	0.01	13.2	0.004	0.00 U	69.9	0.001 U	0.00	0.002 U

**Gude Landfill**  
**Monitoring Location MW-21B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/18/17	177.0	0.63	11.6	99.8000	--	46.0	0.2000 U	0 U	0.05 U	17	7.58	--	515	--	45.7
4/2/18	290.0	0.81	17.0	159.0000	1	377.0	0.2000 U	0 U	0.05 U	-99	7.02	--	1093	--	11.5
9/6/18	350.0	0.93	24.5	200.0000	--	373.0	0.2000 U	0 U	0.05 U	-130	6.59	--	1303	--	6.8
4/18/19	263.0	0.57	27.0	174.0000	0	294.0	0.2000 U	--	--	-79	6.49	6.50	1324	952	13.4
7/29/19	207.0	0.29	16.5	128.0000	0	254.0 B	1.5000	--	--	200	6.55	6.35	9	842	40.2
3/11/20	101.0	0.27	14.7	134.0000	1	271.0	0.2000 U	--	--	-19	6.44	6.60	777	811	22.0
7/30/20	247.0	0.42	25.5	181.0000	1	294.0	0.2000 U	--	--	0	6.06	6.27	1014	1090	15.2

**Gude Landfill**  
**Monitoring Location MW-21B - General Parameters**

Printed 10/24/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/18/17	21.3	418	--	--	38.9
4/2/18	10.4	479	--	--	51.5
9/6/18	28.6	666	--	--	7.9
4/18/19	14.2	621	63.4	364.0	25.1
7/29/19	20.9	507	22.6	102.0	30.3
3/11/20	13.1	482	36.8	141.0	37.9
7/30/20	19.1	567	33.7	135.0	20.0

**Gude Landfill**  
**Monitoring Location MW-21B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/18/17	0.0050 U	0.0050 U	0.0647	0.0050 U	0.0050 U	61.1	0.0075	0.0050 U	0.0073	5.6	0.0050 U	21.600
4/2/18	0.0050 U	0.0050 U	0.1190	0.0050 U	0.0050 U	96.5	0.0050 U	0.0083	0.0061	28.1	0.0050 U	33.000
9/6/18	0.0050 U	0.0050 U	0.1990	0.0050 U	0.0050 U	88.8	0.0276	0.0412	0.0266	91.2	0.0121	36.700
4/18/19	0.0010 U	0.0020	0.1230	0.0010 U	0.0010 U	66.1	0.0112	0.0676	0.0043	63.1	0.0012	31.400
7/29/19	0.0010 U	0.0010 U	0.0750	0.0010 U	0.0010 U	64.7 B	0.0163	0.0310	0.0024	19.0	0.0010 U	22.600
3/11/20	0.0010 U	0.0012	0.0789	0.0010 U	0.0010 U	68.4	0.0042	0.0325	0.0051	19.4	0.0010 U	24.400
7/30/20	0.0010 U	0.0020	0.1130	0.0010 U	0.0010 U	63.6	0.0030	0.0766	0.0030	50.1	0.0010 U	32.800

**Gude Landfill**  
**Monitoring Location MW-21B - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/18/17	4.030	0.0002 U	0.0050 U	30.30	0.0050 U	0.0050 U	46.8	0.0050 U	0.0050 U	0.0283
4/2/18	5.300	0.0002 U	0.0066	14.90	0.0050 U	0.0050 U	58.5	0.0050 U	0.0050 U	0.0263
9/6/18	4.950	0.0002 U	0.0213	13.00	0.0054	0.0050 U	70.4	0.0050 U	0.0097	0.0360
4/18/19	6.390	0.0001	0.0336	8.05	0.0010 U	0.0010 U	60.0	0.0010 U	0.0010 U	0.0105
7/29/19	4.720	0.0001 U	0.0265	16.90	0.0010 U	0.0010 U	45.2 B	0.0010 U	0.0010 U	0.0096
3/11/20	4.320	0.0001 U	0.0168	11.60	0.0010 U	0.0010 U	42.5	0.0010 U	0.0010 U	0.0079
7/30/20	5.150	0.0001 U	0.0330	5.31	0.0010 U	0.0010 U	69.0	0.0010 U	0.0010 U	0.0107

Gude Landfill

Printed 10/24/20

Monitoring Location MW-21B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	2.27	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	4.61	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.30
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	5.59	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.65
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	7.90	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	2.40
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	4.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.30
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	5.00	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.30
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	9.60	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	3.00

**Gude Landfill**  
**Monitoring Location MW-21B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.39	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/18/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/29/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/11/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/30/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U



**Gude Landfill**  
**Monitoring Location MW-21B - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/18/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	5.22	1.00 U	--	2.63	1.00 U	1.00 U	2.01	--	1.00 U	--
4/2/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	5.18	1.00 U	1.00 U	5.11	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	1.15	1.0 U	1.00 U	1.00 U	--	9.66	1.00 U	1.00 U	5.37	--	1.00 U	--
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	17.90	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	10.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	12.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	26.30	1.00 U	1.00 U	--	5 U	1.00 U	100 U

**Gude Landfill**  
**Monitoring Location MW-21B - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/18/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.24	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/18/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
7/29/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.90
3/11/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	2.60
7/30/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	4.60

Gude Landfill

Printed 10/24/20

Monitoring Location MW-21B - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.15	1.00 U	5 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.73	1.00 U	5 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	2.73	1.00 U	5 U	1.20
4/18/19	1.00 U	1.00 U	1.00 U	1.00 U	11.70	1.00 U	1 U	2.40
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	6.40	1.00 U	1 U	1.00 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	9.50	1.00 U	1 U	1.20
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	17.20	1.00 U	1 U	2.70

**Gude Landfill**  
**Monitoring Location MW-22A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/14/17	0.002 U	0.002 U	0.018	0.002 U	0.002 U	103.0	0.00	0.00 U	0.002 U	4.0	0.002 U	30.6	1.090	0.0002 U
3/29/18	0.002 U	0.002 U	0.024	0.002 U	0.002 U	107.0	0.01	0.00	0.002 U	3.0	0.002 U	32.8	1.620	0.0002 U
9/5/18	0.002 U	0.002 U	0.019	0.002 U	0.002 U	119.0	0.01	0.00 U	0.002 U	3.8	0.002 U	29.8	1.060	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-22A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/14/17	0.00	4.4	0.003	0.00 U	71.9	0.001 U	0.00 U	0.002 U
3/29/18	0.01	4.7	0.005	0.00 U	78.4	0.001 U	0.00 U	0.004
9/5/18	0.00	4.5	0.004	0.00 U	69.2	0.001 U	0.00 U	0.002 U

**Gude Landfill**  
**Monitoring Location MW-22A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/14/17	295.0	0.20 U	10.0 U	137.0000	0	410.0	0.2000 U	0 U	0.05 U	170	6.65	--	1047	--	35.5
3/29/18	298.0	0.20 U	11.9	145.0000	--	440.0	0.2000 U	0 U	0.05 U	8	6.87	--	921	--	37.5
9/5/18	305.0	0.20 U	12.2	154.0000	--	430.0	0.2000 U	0 U	0.05 U	-12	6.68	--	1054	--	33.0
4/10/19	360.0	0.10 U	14.0	131.0000	0	364.0 B	0.2000 U	--	--	-21	6.46	6.39	1291	1070	39.6
7/29/19	373.0	0.10 U	12.3	141.0000	0	372.0 B	0.2000 U	--	--	200	6.42	6.21	1018	1120	37.5
3/5/20	406.0	0.12	7.7	130.0000	0	369.0	0.2000 U	--	--	23	6.43	6.55	1005	1110	33.2
7/28/20	373.0	0.11	24.8	143.0000	0	397.0	0.2000 U	--	--	-23	6.50	6.79	1085	1210	35.0

**Gude Landfill**  
**Monitoring Location MW-22A - General Parameters**

Printed 10/24/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/14/17	16.8	595	--	--	23.5
3/29/18	13.7	573	--	--	8.5
9/5/18	27.5	629	--	--	5.5
4/10/19	13.5	645	6.4	20.7	6.5
7/29/19	16.2	681	36.7	24.1	5.4
3/5/20	12.9	667	5.0	20.3	3.0
7/28/20	17.2	711	19.7	4.1	8.3

**Gude Landfill**  
**Monitoring Location MW-22A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/14/17	0.0050 U	0.0050 U	0.0228	0.0050 U	0.0050 U	110.0	0.0050 U	0.0050 U	0.0050 U	4.7	0.0050 U	30.000
3/29/18	0.0020 U	0.0020 U	0.0168	0.0020 U	0.0020 U	121.0	0.0029	0.0020 U	0.0020 U	4.0	0.0020 U	28.900
9/5/18	0.0020 U	0.0020	0.0186	0.0020 U	0.0020 U	124.0	0.0037	0.0020 U	0.0028	4.3	0.0020 U	29.300
4/10/19	0.0010 U	0.0010 U	0.0219	0.0010 U	0.0010 U	85.4 B	0.0010 U	0.0011	0.0010 U	4.3	0.0010 U	36.600
7/29/19	0.0010 U	0.0016	0.0238	0.0010 U	0.0010 U	91.0 B	0.0020	0.0014	0.0021	8.7	0.0010 U	35.300
3/5/20	0.0010 U	0.0010 U	0.0278	0.0010 U	0.0013	86.7	0.0010 U	0.0031	0.0023	3.4	0.0010 U	38.500
7/28/20	0.0010 U	0.0010 U	0.0216	0.0010 U	0.0010 U	98.3	0.0011	0.0010 U	0.0010 U	5.0	0.0010 U	36.900



**Gude Landfill**  
**Monitoring Location MW-22A - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/14/17	0.737	0.0002 U	0.0050 U	4.45	0.0050 U	0.0050 U	57.9	0.0050 U	0.0050 U	0.0203
3/29/18	0.620	0.0002 U	0.0033	4.31	0.0053	0.0020 U	58.5	0.0010 U	0.0020 U	0.0024
9/5/18	0.721	0.0002 U	0.0037	4.35	0.0044	0.0020 U	59.4	0.0010 U	0.0020 U	0.0112
4/10/19	1.730	0.0001 U	0.0049	4.93	0.0010 U	0.0010 U	83.2	0.0010 U	0.0010 U	0.0048
7/29/19	1.930	0.0001 U	0.0058	5.10	0.0010 U	0.0010 U	85.2 B	0.0010 U	0.0010 U	0.0040 U
3/5/20	2.520	0.0001 U	0.0085	5.13	0.0010 U	0.0010 U	107.0	0.0010 U	0.0010 U	0.0043
7/28/20	1.360	0.0001 U	0.0063	5.22	0.0010 U	0.0010 U	86.3	0.0010 U	0.0010 U	0.0040 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-22A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-22A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.50	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/29/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/5/20	--	1.00 U	1.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/28/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-22A - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/14/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	5.65	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/29/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	6.51	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/5/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.87	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	7.30	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.20	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	5.50	1.00 U	1.00 U	--	5 U	1.00 U	100 U

**Gude Landfill**  
**Monitoring Location MW-22A - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/14/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
7/29/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.40
3/5/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
7/28/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-22A - Volatile Organic Compounds**

Printed 10/24/20

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	5.21	1.00 U	5 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	4.82	1.00 U	5 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	3.08	1.00 U	5 U	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.00 U	1 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	3.80	1.00 U	1 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	2.90	1.00 U	1 U	1.00 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	3.60	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-22B - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/14/17	0.002 U	0.005	0.056	0.002 U	0.002 U	103.0	0.00	0.00 U	0.002 U	1.9	0.002 U	25.2	0.823	0.0002 U
3/29/18	0.002 U	0.011	0.043	0.002 U	0.002 U	114.0	0.00	0.00 U	0.002 U	2.6	0.002 U	25.7	0.767	0.0002 U
9/5/18	0.002 U	0.005	0.040	0.002 U	0.002 U	114.0	0.01	0.00 U	0.002 U	1.1	0.002 U	25.6	0.641	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-22B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/14/17	0.01	9.3	0.003	0.00 U	84.5	0.001 U	0.00 U	0.002 U
3/29/18	0.01	8.6	0.005	0.00 U	67.4	0.001 U	0.00 U	0.003
9/5/18	0.01	7.6	0.003	0.00 U	55.1	0.001 U	0.00 U	0.004



**Gude Landfill**  
**Monitoring Location MW-22B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/14/17	328.0	0.20 U	10.0 U	125.0000	0	400.0	0.2000 U	0 U	0.05 U	150	6.91	--	960	--	43.5
3/29/18	323.0	0.20 U	10.1	129.0000	--	412.0	0.2000 U	0 U	0.05 U	-32	6.84	--	940	--	36.8
9/5/18	298.0	0.20 U	10.2	133.0000	--	392.0	0.2000 U	0 U	0.05 U	-34	6.80	--	967	--	29.8
4/10/19	283.0	0.10 U	8.0	120.0000	0	343.0 B	0.2000 U	--	--	-57	6.90	6.75	1162	953	75.1
7/29/19	289.0	0.10 U	18.6	127.0000	0	320.0 B	0.4000	--	--	200	6.87	6.11	918	954	37.2
3/5/20	285.0	0.10 U	3.0 U	123.0000	1	340.0	0.2000 U	--	--	-46	6.88	6.94	830	932	34.1
7/28/20	262.0	0.10 U	19.8	117.0000	1	320.0	0.2000 U	--	--	62	6.91	7.10	970	943	31.3

**Gude Landfill**  
**Monitoring Location MW-22B - General Parameters**

Printed 10/24/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/14/17	18.1	615	--	--	344.1
3/29/18	15.2	557	--	--	0.0
9/5/18	20.4	574	--	--	1.9
4/10/19	15.4	599	10.2	33.1	6.0
7/29/19	19.0	585	8.6	15.3	9.4
3/5/20	13.0	540	6.8	31.2	8.9
7/28/20	23.2	572	8.9	15.8	16.0

**Gude Landfill**  
**Monitoring Location MW-22B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/14/17	0.0020 U	0.0052	0.0561	0.0020 U	0.0020 U	109.0	0.0025	0.0020 U	0.0020 U	2.1	0.0020 U	26.500
3/29/18	0.0020 U	0.0122	0.0436	0.0020 U	0.0020 U	118.0	0.0032	0.0020 U	0.0020 U	2.6	0.0020 U	24.100
9/5/18	0.0020 U	0.0067	0.0409	0.0020 U	0.0020 U	114.0	0.0024	0.0020 U	0.0020 U	1.9	0.0020 U	26.000
4/10/19	0.0010 U	0.0085	0.0355	0.0010 U	0.0010 U	89.8 B	0.0026	0.0011	0.0010 U	3.6	0.0010 U	28.900
7/29/19	0.0010 U	0.0046	0.0335	0.0010 U	0.0010 U	85.0 B	0.0038	0.0010 U	0.0015	1.5	0.0010 U	26.100
3/5/20	0.0010 U	0.0098	0.0357	0.0010 U	0.0010 U	89.7	0.0013	0.0010 U	0.0010 U	3.6	0.0010 U	27.800
7/28/20	0.0011	0.0054	0.0330	0.0010 U	0.0010 U	83.9	0.0045	0.0010 U	0.0025	2.1	0.0010 U	26.900

**Gude Landfill**  
**Monitoring Location MW-22B - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/14/17	0.843	0.0002 U	0.0068	9.51	0.0026	0.0020 U	73.2	0.0010 U	0.0020 U	0.0025
3/29/18	0.789	0.0002 U	0.0064	8.29	0.0048	0.0020 U	66.9	0.0010 U	0.0020 U	0.0028
9/5/18	0.658	0.0002 U	0.0061	7.66	0.0035	0.0020 U	55.5	0.0010 U	0.0020 U	0.0051
4/10/19	0.608	0.0001 U	0.0047	7.34	0.0010 U	0.0010 U	57.1	0.0010 U	0.0010 U	0.0111
7/29/19	0.522	0.0001 U	0.0049	6.93	0.0010 U	0.0010 U	51.4 B	0.0010 U	0.0010 U	0.0055
3/5/20	0.566	0.0001 U	0.0035	7.27	0.0010 U	0.0010 U	52.6	0.0010 U	0.0010 U	0.0045
7/28/20	0.486	0.0001 U	0.0070	6.82	0.0010 U	0.0010 U	51.0	0.0010 U	0.0010 U	0.0045

Gude Landfill

Printed 10/24/20

Monitoring Location MW-22B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-22B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	6.50 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/29/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/5/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
7/28/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-22B - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/14/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.84	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/29/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.22	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/5/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.81	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.10	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	3.80	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	3.30	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.80	1.00 U	1.00 U	--	5 U	1.00 U	100 U

**Gude Landfill**  
**Monitoring Location MW-22B - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/14/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
7/29/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
3/5/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
7/28/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U



Gude Landfill

Printed 10/24/20

Monitoring Location MW-22B - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	2.50	1.00 U	5 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	1.91	1.00 U	5 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.98	1.00 U	5 U	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1 U	1.00 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-23A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/14/17	0.002 U	0.002 U	0.083	0.002 U	0.002 U	11.4	0.00	0.00 U	0.002 U	0.2 U	0.002 U	11.0	0.054	0.0002 U
3/28/18	0.002 U	0.002 U	0.075	0.002 U	0.002 U	12.4	0.00	0.00 U	0.002 U	0.2 U	0.002 U	11.4	0.049	0.0002 U
9/6/18	0.002 U	0.002 U	0.090	0.002 U	0.002 U	13.4	0.01	0.00 U	0.002 U	0.1 U	0.002 U	13.0	0.051	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-23A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/14/17	0.00 U	2.6	0.002 U	0.00 U	18.9	0.001 U	0.00 U	0.005
3/28/18	0.00	2.5	0.002 U	0.00 U	18.7	0.001 U	0.00 U	0.007
9/6/18	0.00	3.0	0.002 U	0.00 U	22.6	0.001 U	0.00 U	0.007

**Gude Landfill**  
**Monitoring Location MW-23A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/14/17	27.0	0.20 U	10.0 U	56.8000	--	100.0	3.3000	3	0.05 U	485	5.21	--	253	--	4.0 U
3/28/18	27.5	0.20 U	10.0 U	64.2000	--	144.0	3.0100	3	0.05 U	333	5.30	--	258	--	4.0 U
9/6/18	26.5	0.20 U	10.0 U	69.2000	--	89.4	3.4400	3	0.05 U	243	5.33	--	292	--	4.0 U
4/15/19	27.1	0.10 U	4.0	83.4000	2	102.0	4.0000	--	--	280	5.27	5.42	434	359	3.2
8/7/19	25.6	0.16	3.0 U	97.6000	2	106.0 B	4.0000	--	--	322	4.92	5.42	0	411	4.2
3/12/20	61.0	0.10 U	20.8	28.3000	1	81.6	0.1300 J	--	--	-154	6.78	6.80	216	209	5.5
8/3/20	69.6	0.10 U	16.7	94.1000	1	179.0	0.4500	--	--	56	6.24	6.37	420	486	11.9

**Gude Landfill**  
**Monitoring Location MW-23A - General Parameters**

Printed 10/24/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/14/17	19.2	195	--	--	39.2
3/28/18	14.4	226	--	--	11.1
9/6/18	27.6	210	--	--	42.7
4/15/19	16.1	260	498.0	119.0	140.7
8/7/19	11.3	304	122.0	43.6	31.6
3/12/20	17.3	121	7.1	7.3	3.3
8/3/20	16.9	277	188.0	37.4	70.4

**Gude Landfill**  
**Monitoring Location MW-23A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
9/14/17	0.0050 U	0.0050 U	0.0939	0.0050 U	0.0050 U	14.7	0.0050 U	0.0050 U	0.0050 U	1.0	0.0050 U	12.600	0.073
3/28/18	0.0050 U	0.0050 U	0.0946	0.0050 U	0.0050 U	15.4	0.0083	0.0050 U	0.0050 U	4.3	0.0050 U	13.100	0.074
9/6/18	0.0050 U	0.0050 U	0.1020	0.0050 U	0.0050 U	13.8	0.0059	0.0050 U	0.0050 U	2.3	0.0050 U	13.400	0.070
4/15/19	0.0010 U	0.0010 U	0.1520	0.0010 U	0.0010 U	12.5	0.0154	0.0060	0.0017	5.6	0.0027	17.300	0.113
8/7/19	0.0010 U	0.0010 U	0.1370	0.0010 U	0.0010 U	13.2 B	0.0102	0.0043	0.0012	3.2	0.0023	17.700	0.089
3/12/20	0.0010 U	0.0010 U	0.0143	0.0010 U	0.0010 U	14.0	0.0160	0.0011	0.0011	1.1	0.0010 U	11.300	0.104
8/3/20	0.0010 U	0.0010 U	0.0064	0.0010 U	0.0010 U	21.2	0.0040	0.0035	0.0041	6.1	0.0010 U	30.600	0.484

**Gude Landfill**  
**Monitoring Location MW-23A - Total Metals**

Printed 10/24/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002		
9/14/17	0.0007	0.0050 U	2.71	0.0050 U	0.0050 U	18.7	0.0050 U	0.0050 U	0.0262
3/28/18	0.0006	0.0084	2.68	0.0050 U	0.0050 U	17.1	0.0050 U	0.0062	0.0362
9/6/18	0.0005	0.0050 U	3.05	0.0050 U	0.0050 U	21.5	0.0050 U	0.0050 U	0.0092
4/15/19	0.0008	0.0125	3.42	0.0022	0.0010 U	27.2 B	0.0010 U	0.0080	0.0203
8/7/19	0.0005	0.0078	3.55	0.0011	0.0010 U	27.8 B	0.0010 U	0.0031	0.0204 B
3/12/20	0.0001 U	0.0112	10.80	0.0010 U	0.0010 U	13.7	0.0010 U	0.0010 U	0.0383
8/3/20	0.0001 U	0.0055	2.14	0.0010 U	0.0010 U	19.7	0.0010 U	0.0010 U	0.0171

Gude Landfill

Printed 10/24/20

Monitoring Location MW-23A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U



**Gude Landfill**  
**Monitoring Location MW-23A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.14	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.20 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/7/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/12/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.10	5 U	1 U	1.00 U	--	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-23A - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/14/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.15	1.00 U	--	3.43	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/28/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.53	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.32	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.80	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	2.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U

**Gude Landfill**  
**Monitoring Location MW-23A - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	
MCL/ GWPS		10000					5			10000			100		5	
9/14/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.14
3/28/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.91
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.86
4/15/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	2.90
8/7/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	2.50
3/12/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	1.00 U
8/3/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	--	1.90

**Gude Landfill**  
**Monitoring Location MW-23A - Volatile Organic Compounds**

Printed 10/24/20

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.89	1.00 U	5 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.85	1.00 U	5 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.52	1.00 U	5 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-23B - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/14/17	0.002 U	0.002 U	0.003	0.002 U	0.002 U	16.0	0.00 U	0.00 U	0.002 U	0.6	0.002 U	18.3	0.107	0.0002 U
3/28/18	0.002 U	0.002 U	0.004	0.002 U	0.002 U	20.8	0.00 U	0.00 U	0.002 U	0.5	0.002 U	21.9	0.148	0.0002 U
9/6/18	0.002 U	0.002 U	0.003	0.002 U	0.002 U	23.5	0.00 U	0.00 U	0.002 U	0.5	0.002 U	23.1	0.151	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-23B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/14/17	0.00 U	1.5	0.002 U	0.00 U	13.5	0.001 U	0.00 U	0.003
3/28/18	0.00	1.7	0.002	0.00 U	15.8	0.001 U	0.00 U	0.006
9/6/18	0.00	1.8	0.002 U	0.00 U	16.1	0.001 U	0.00 U	0.004

**Gude Landfill**  
**Monitoring Location MW-23B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/14/17	49.0	0.20 U	10.0 U	71.5000	0	144.0	0.2000 U	0 U	0.05 U	189	6.70	--	335	--	9.7
3/28/18	56.8	0.20 U	10.0 U	78.6000	--	180.0	0.2400	0	0.05 U	18	7.00	--	339	--	12.6
9/6/18	54.1	0.20 U	10.0 U	88.4000	--	150.0	0.2000 U	0 U	0.05 U	-13	6.61	--	393	--	9.8
4/15/19	83.9	0.10 U	4.0	89.0000	0	160.0	0.3000	--	--	-26	6.66	6.78	541	446	7.6
8/7/19	63.0	0.10 U	11.5	65.8000	3	117.0 B	0.2000 U	--	--	133	6.61	6.89	0	347	8.6
3/12/20	24.1	0.10 U	3.0 U	92.3000	2	129.0	3.9100	--	--	261	5.02	5.45	524	408	6.0
8/3/20	20.2	0.10 U	19.9	92.8000	2	122.0	3.5500	--	--	264	5.31	5.30	380	412	4.1

**Gude Landfill**  
**Monitoring Location MW-23B - General Parameters**

Printed 10/24/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/14/17	16.4	222	--	--	0.8
3/28/18	13.2	268	--	--	3.9
9/6/18	24.9	225	--	--	0.0
4/15/19	14.7	285	34.3	10.0	9.9
8/7/19	17.4	205	69.8	9.6	0.7
3/12/20	16.5	267	307.0	91.8	9.6
8/3/20	18.5	256	1670.0	82.0	120.1



**Gude Landfill**  
**Monitoring Location MW-23B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)	Manganese, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015		
9/14/17	0.0020 U	0.0020 U	0.0027	0.0020 U	0.0020 U	16.4	0.0020 U	0.0020 U	0.0020 U	0.6	0.0020 U	18.600	0.113
3/28/18	0.0020 U	0.0020 U	0.0044	0.0020 U	0.0020 U	20.0	0.0024	0.0020 U	0.0020 U	0.7	0.0020 U	21.100	0.155
9/6/18	0.0020 U	0.0020 U	0.0038	0.0020 U	0.0020 U	22.8	0.0036	0.0020 U	0.0028	1.5	0.0020 U	22.600	0.180
4/15/19	0.0010 U	0.0010 U	0.0052	0.0010 U	0.0010 U	21.3	0.0056	0.0031	0.0023	2.5	0.0010 U	26.000	0.589
8/7/19	0.0010 U	0.0010 U	0.0109	0.0010 U	0.0010 U	16.1 B	0.0058	0.0012	0.0045	0.5	0.0011	18.500	0.056
3/12/20	0.0010 U	0.0010 U	0.1690	0.0010 U	0.0010 U	16.2	0.0410	0.0082	0.0010 U	8.4	0.0040	21.400	0.141
8/3/20	0.0010 U	0.0010 U	0.1490	0.0010 U	0.0010 U	15.7	0.0157	0.0052	0.0022	5.0	0.0031	20.200	0.101

**Gude Landfill**  
**Monitoring Location MW-23B - Total Metals**

Printed 10/24/20

	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS	0.002			0.05			0.002		
9/14/17	0.0002 U	0.0020 U	1.44	0.0020 U	0.0020 U	13.7	0.0010 U	0.0020 U	0.0036
3/28/18	0.0002 U	0.0025	1.66	0.0020 U	0.0020 U	15.4	0.0010 U	0.0020 U	0.0063
9/6/18	0.0002 U	0.0033	1.77	0.0020 U	0.0020 U	15.7	0.0010 U	0.0020 U	0.0059
4/15/19	0.0001 U	0.0052	1.99	0.0010 U	0.0010 U	21.8 B	0.0010 U	0.0010 U	0.0067
8/7/19	0.0001 U	0.0046	4.35	0.0010 U	0.0010 U	16.2 B	0.0010 U	0.0010 U	0.0378 B
3/12/20	0.0006	0.0303	3.85	0.0014	0.0010 U	27.7	0.0010 U	0.0105	0.0269
8/3/20	0.0006	0.0117	3.63	0.0012	0.0010 U	28.5	0.0010 U	0.0078	0.0233

Gude Landfill

Printed 10/24/20

Monitoring Location MW-23B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-23B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.01	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.30 B	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/7/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
3/12/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U
8/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	1.00 U	--	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-23B - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/14/17	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
3/28/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.23	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	3.60	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.40	1.00 U	1.00 U	--	5 U	1.00 U	100 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U

**Gude Landfill**  
**Monitoring Location MW-23B - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/14/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	2.40
8/7/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
3/12/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	2.50
8/3/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	2.60

Gude Landfill

Printed 10/24/20

Monitoring Location MW-23B - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
9/6/18	1.74	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.10	1.00 U	1 U	1.00 U
8/7/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-24A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/13/17	0.002 U	0.005	0.271	0.002 U	0.002 U	64.3	0.00 J	0.05	0.002 U	22.2	0.002 U	55.8	6.290	0.0002 U
4/2/18	0.002 U	0.007	0.244	0.002 U	0.002 U	66.6	0.00	0.05	0.002 U	21.7	0.002 U	58.0	6.530	0.0002 U
9/6/18	0.002 U	0.007	0.278	0.002 U	0.002 U	70.1	0.01	0.06	0.002 U	23.3	0.002 U	60.9	7.200	0.0002 U



**Gude Landfill**  
**Monitoring Location MW-24A - Dissolved Metals**

Printed 10/24/20

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/13/17	0.02	3.9	0.021	0.00 U	36.0	0.001 U	0.00 U	0.002
4/2/18	0.03	4.3	0.010	0.00 U	35.5	0.001 U	0.00 U	0.003
9/6/18	0.03	4.6	0.009	0.00 U	39.5	0.001 U	0.00	0.004

**Gude Landfill**  
**Monitoring Location MW-24A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/13/17	125.0	0.32	24.3	280.0000	0	480.0	0.4000 U	0 U	0.10 U	140	5.99	--	1130	--	4.0 U
4/2/18	151.0	0.30	28.8	297.0000	--	224.0	0.2000 U	0 U	0.05 U	-8	5.99	--	1011	--	4.0 U
9/6/18	156.0	0.46	30.6	305.0000	--	422.0	0.2000 U	0 U	0.05 U	-50	5.81	--	1157	--	4.0 U
4/11/19	177.0	0.59	39.0	324.0000	0	449.0 B	0.3000	--	--	-27	5.92	6.08	1575	1290	1.0 U
7/31/19	151.0	0.46	36.0	321.0000	0	445.0	0.2000 U	--	--	200	5.85	2.67	1246	1270	10.3
3/5/20	169.0	0.50	23.1	333.0000	0	456.0	0.2000 U	--	--	-8	5.85	6.07	1318	1330	0.8 J
7/29/20	160.0	0.56	41.7	323.0000	0	469.0	0.2000 U	--	--	-105	5.82	6.00	1304	1380	0.9 J

**Gude Landfill**  
**Monitoring Location MW-24A - General Parameters**

Printed 10/24/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/13/17	18.2	720	--	--	2.8
4/2/18	13.4	572	--	--	7.1
9/6/18	19.2	686	--	--	0.0
4/11/19	18.3	1090	41.2	7.0	4.0
7/31/19	19.4	1010	8.9	0.5 U	0.0
3/5/20	18.1	754	2.3 U	6.0	0.0
7/29/20	21.7	731	13.1	84.8	9.9

**Gude Landfill**  
**Monitoring Location MW-24A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/13/17	0.0020 U	0.0053	0.2580	0.0020 U	0.0020 U	64.2	0.0031	0.0525	0.0020 U	22.3	0.0020 U	56.000
4/2/18	0.0020 U	0.0070	0.2440	0.0020 U	0.0020 U	66.1	0.0044	0.0550	0.0020 U	21.6	0.0020 U	54.500
9/6/18	0.0020 U	0.0064	0.2790	0.0020 U	0.0020 U	69.1	0.0041	0.0568	0.0020 U	23.3	0.0020 U	60.600
4/11/19	0.0010 U	0.0049	0.2980	0.0010 U	0.0010 U	63.4 B	0.0031	0.0625	0.0010 U	25.8	0.0010 U	70.600
7/31/19	0.0010 U	0.0053	0.2880	0.0010 U	0.0010 U	65.7	0.0046	0.0637	0.0101	23.3	0.0010 U	68.200
3/5/20	0.0010 U	0.0050	0.2870	0.0010 U	0.0010 U	67.9	0.0016	0.0633	0.0010 U	22.6	0.0010 U	69.600
7/29/20	0.0010 U	0.0051	0.2970	0.0010 U	0.0010 U	68.8	0.0034	0.0687	0.0010 U	23.0	0.0010 U	72.200

**Gude Landfill**  
**Monitoring Location MW-24A - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/13/17	6.310	0.0002 U	0.0247	3.94	0.0160	0.0020 U	35.9	0.0010 U	0.0020 U	0.0033
4/2/18	6.500	0.0002 U	0.0280	4.23	0.0097	0.0020 U	36.2	0.0010 U	0.0020 U	0.0020 U
9/6/18	7.220	0.0002 U	0.0285	4.67	0.0079	0.0020 U	39.4	0.0010 U	0.0020 U	0.0053
4/11/19	8.950	0.0001 U	0.0327	5.14	0.0010 U	0.0010 U	53.6	0.0010 U	0.0010 U	0.0040 U
7/31/19	9.220	0.0001 U	0.0360	4.95	0.0010 U	0.0010 U	49.5	0.0010 U	0.0010 U	0.0040 U
3/5/20	9.190	0.0001 U	0.0339	5.09	0.0010 U	0.0010 U	49.5	0.0010 U	0.0010 U	0.0040 U
7/29/20	10.000	0.0001 U	0.0373	5.34	0.0010 U	0.0010 U	51.1	0.0010 U	0.0010 U	0.0042

Gude Landfill

Printed 10/24/20

Monitoring Location MW-24A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	2.05	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.13
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.1	1.00 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.1	1.00 U	1.10
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-24A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/13/17	1.00 U	1.00 U	11.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	3.81	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	7.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	3.35	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	10.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	3.51	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	13.50	1.00 U	5.00 U	--	5.00 U	--	5 U	8.90 B	5 U	1 U	4.60	--	1.00 U	1.00 U
7/31/19	--	1.00 U	12.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	4.50	--	1.00 U	1.00 U
3/5/20	--	1.00 U	14.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	4.50	--	1.00 U	1.00 U
7/29/20	--	1.00 U	13.50	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	4.40	--	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-24A - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/13/17	1.00 U	1.00 U	5.00 U	1.00 U	5.86	1.1	1.00 U	1.00 U	--	8.36	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/2/18	1.00 U	1.00 U	5.00 U	1.00 U	4.80	1.1	1.00 U	1.00 U	--	4.10	1.00 U	1.00 U	1.00 U	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	7.10	1.0 U	1.00 U	1.00 U	--	2.09	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	10.50	1.0 U	1.00 U	1.00 U	1 U	1.20	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	8.60	1.0 U	1.00 U	1.00 U	1 U	7.20	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	8.60	1.0 U	1.00 U	1.00 U	1 U	5.10	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	8.50	1.0 U	1.00 U	1.00 U	1 U	4.60	1.00 U	1.00 U	--	5 U	1.00 U	100 U



**Gude Landfill**  
**Monitoring Location MW-24A - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/13/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
7/31/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
3/5/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U
7/29/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U

Gude Landfill

Monitoring Location MW-24A - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/13/17	1.00 U	2.20	1.00 U	5.00 U	1.00 U	1.00 U	5 U	11.20
4/2/18	1.00 U	1.79	1.00 U	5.00 U	1.00 U	1.00 U	5 U	7.51
9/6/18	2.09	2.03	1.00 U	5.00 U	1.00 U	1.00 U	5 U	6.37
4/11/19	5.70	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1 U	2.40
7/31/19	2.10	2.30	1.00 U	1.00 U	1.30	1.00 U	1 U	11.10
3/5/20	1.30	2.10	1.00 U	1.00 U	1.00 U	1.00 U	1 U	10.50
7/29/20	1.10	2.10	1.00 U	1.00 U	1.00 U	1.00 U	1 U	9.50

**Gude Landfill**  
**Monitoring Location MW-24B - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
9/13/17	0.002 U	0.029	0.179	0.002 U	0.002 U	102.0	0.00 U	0.04	0.002 U	43.9	0.002 U	73.3	3.440	0.0002 U
4/2/18	0.002 U	0.034	0.169	0.002 U	0.002 U	104.0	0.01	0.05	0.002 U	45.8	0.002 U	75.4	3.780	0.0002 U
9/6/18	0.002 U	0.036	0.173	0.002 U	0.002 U	101.0	0.01	0.05	0.002 U	44.7	0.002 U	73.4	3.460	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location MW-24B - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
9/13/17	0.01	3.1	0.006	0.00 U	27.7	0.001 U	0.00 U	0.002 U
4/2/18	0.01	3.6	0.010	0.00 U	27.2	0.001 U	0.00 U	0.003
9/6/18	0.01	3.6	0.007	0.00 U	28.1	0.001 U	0.00 U	0.002 U

**Gude Landfill**  
**Monitoring Location MW-24B - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)
MCL/ GWPS							10		1						
9/13/17	262.0	0.20 U	42.7	267.0000	--	770.0	0.4000 U	0 U	0.10 U	62	6.74	--	1235	--	4.0 U
4/2/18	303.0	0.20 U	44.5	268.0000	--	581.0	0.2000 U	0 U	0.05 U	-88	6.82	--	1206	--	4.2
9/6/18	306.0	0.20 U	30.1	279.0000	--	550.0	0.2000 U	0 U	0.05 U	-91	6.65	--	1323	--	7.3
4/11/19	296.0	0.10 U	43.0	293.0000	0	567.0 B	0.6000	--	--	-108	6.52	6.52	1772	1370	1.0 U
7/31/19	295.0	0.10 U	45.1	300.0000	0	545.0	0.2000 U	--	--	200	6.43	6.61	1374	1400	1.0 U
3/5/20	322.0	0.10 U	22.3	315.0000	0	571.0	0.6400	--	--	-82	6.42	6.40	1440	1480	1.0 U
7/29/20	295.0	0.17	46.9	296.0000	1	555.0	0.2000 U	--	--	-88	6.50	6.52	1418	1520	1.0 U

**Gude Landfill**  
**Monitoring Location MW-24B - General Parameters**

Printed 10/24/20

	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS					
9/13/17	20.2	698	--	--	10.7
4/2/18	14.6	619	--	--	6.0
9/6/18	19.9	807	--	--	6.9
4/11/19	16.5	986	54.2	127.0	24.4
7/31/19	17.3	981	59.4	245.0	5.7
3/5/20	16.8	822	15.4	166.0	3.2
7/29/20	23.4	774	30.9	264.0	20.9

**Gude Landfill**  
**Monitoring Location MW-24B - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015	
9/13/17	0.0050 U	0.0304	0.1830	0.0050 U	0.0050 U	105.0	0.0050 U	0.0433	0.0052	44.8	0.0050 U	77.600
4/2/18	0.0050 U	0.0278	0.1930	0.0050 U	0.0050 U	106.0	0.0050 U	0.0455	0.0050 U	47.4	0.0050 U	76.800
9/6/18	0.0020 U	0.0350	0.1710	0.0020 U	0.0020 U	101.0	0.0037	0.0488	0.0020 U	43.7	0.0020 U	72.200
4/11/19	0.0010 U	0.0323	0.1900	0.0010 U	0.0010 U	89.7 B	0.0034	0.0516	0.0010 U	47.8	0.0010 U	83.300
7/31/19	0.0010 U	0.0309	0.1740	0.0010 U	0.0010 U	89.1	0.0044	0.0479	0.0032	44.7	0.0010 U	78.400
3/5/20	0.0010 U	0.0314	0.1890	0.0010 U	0.0010 U	94.4	0.0010 U	0.0517	0.0010 U	47.7	0.0010 U	81.500
7/29/20	0.0010 U	0.0309	0.1840	0.0010 U	0.0010 U	90.6	0.0061	0.0518	0.0063	46.4	0.0010 U	79.800

**Gude Landfill**  
**Monitoring Location MW-24B - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002		
9/13/17	3.490	0.0002 U	0.0138	3.68	0.0050 U	0.0050 U	29.2	0.0050 U	0.0050 U	0.0184
4/2/18	3.770	0.0002 U	0.0174	3.84	0.0071	0.0050 U	29.1	0.0050 U	0.0050 U	0.0258
9/6/18	3.550	0.0002 U	0.0132	3.60	0.0082	0.0020 U	27.9	0.0010 U	0.0020 U	0.0020 U
4/11/19	4.410	0.0001 U	0.0169	3.92	0.0010 U	0.0010 U	34.8	0.0010 U	0.0010 U	0.0040 U
7/31/19	3.990	0.0001 U	0.0167	3.70	0.0010 U	0.0010 U	32.1	0.0010 U	0.0010 U	0.0116 B
3/5/20	4.330	0.0001 U	0.0142	4.14	0.0010 U	0.0010 U	34.0	0.0010 U	0.0010 U	0.0040 U
7/29/20	4.260	0.0001 U	0.0307	4.56	0.0010 U	0.0010 U	33.4	0.0010 U	0.0010 U	0.0297



Gude Landfill

Printed 10/24/20

Monitoring Location MW-24B - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	4.29	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	4.33	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.02	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	4.09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.01	1.00 U
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	4.30	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	4.00	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	3.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	3.30	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-24B - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)
MCL/ GWPS			75										5			80
9/13/17	1.00 U	1.00 U	9.29	1.00 U	40.30	1.00 U	5.00 U	1.00 U	5 U	32.80	5 U	--	4.28	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	11.60	1.00 U	8.50	1.00 U	5.00 U	1.00 U	5 U	7.68	5 U	--	4.59	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	8.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	5 U	--	4.19	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	13.10	1.00 U	25.20	--	5.00 U	--	5 U	44.30 B	5 U	1 U	5.40	--	1.00 U	1.00 U
7/31/19	--	1.00 U	12.50	1.00 U	5.00 U	--	5.00 U	--	5 U	8.20	5 U	1 U	5.30	--	1.00 U	1.00 U
3/5/20	--	1.00 U	13.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	5.70	--	1.00 U	1.00 U
7/29/20	--	1.00 U	7.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	5 U	1 U	4.60	--	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location MW-24B - Volatile Organic Compounds**

Printed 10/24/20

	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)
MCL/ GWPS	80			5	100		80			70		80			700	
9/13/17	1.00 U	1.00 U	5.00 U	1.00 U	2.40	1.0 U	1.00 U	1.00 U	--	1.46	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/2/18	1.00 U	1.00 U	5.00 U	1.00 U	2.89	1.0 U	1.00 U	1.00 U	--	1.10	1.00 U	1.00 U	1.05	--	1.00 U	--
9/6/18	1.00 U	1.00 U	5.00 U	1.00 U	2.41	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.0 U	1.00 U	1.00 U	1 U	2.40	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.0 U	1.00 U	1.00 U	1 U	2.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	3.60	1.0 U	1.00 U	1.00 U	1 U	1.70	1.00 U	1.00 U	--	5 U	1.00 U	100 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.0 U	1.00 U	1.00 U	1 U	1.80	1.00 U	1.00 U	--	5 U	1.00 U	100 U

**Gude Landfill**  
**Monitoring Location MW-24B - Volatile Organic Compounds**

Printed 10/24/20

	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		10000					5			10000			100		5
9/13/17	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.38	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.38	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.10	--	--	1.00 U	--	1.00 U
7/31/19	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.40	--	--	1.00 U	--	1.00 U
3/5/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.40	--	--	1.00 U	--	1.00 U
7/29/20	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location MW-24B - Volatile Organic Compounds**

Printed 10/24/20

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
9/13/17	106.00	2.78	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/2/18	43.60	3.10	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
9/6/18	12.40	2.63	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U
4/11/19	76.40	3.40	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.60
7/31/19	28.50	3.20	1.00 U	1.00 U	1.00 U	1.00 U	1 U	2.00
3/5/20	3.00	3.00	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.30
7/29/20	1.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB01 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.189	0.005 U	0.005 U	69.6	0.01 U	0.01	0.006	0.5 U	0.005 U	41.5	5.050	0.0002 U
9/8/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.213	0.005 U	0.005 U	84.9	0.01 U	0.02	0.007	0.4	0.005 U	50.1	5.950	0.0002 U
9/13/12	0.005 U	0.005 U	0.184	0.005 U	0.005 U	71.8	0.01 U	0.01	0.006	0.4	0.005 U	42.5	3.880	0.0002 U
4/2/13	0.005 U	0.005 U	0.199	0.005 U	0.005 U	70.0	0.01 U	0.01	0.015	0.4	0.005 U	43.0	3.940	0.0002 U
9/17/13	0.005 U	0.005 U	0.186	0.005 U	0.005 U	74.4	0.01 U	0.01	0.006	0.4	0.005 U	45.0	3.540	0.0002 U
3/6/14	0.005 U	0.005 U	0.233	0.005 U	0.005 U	88.3	0.01 U	0.01	0.007	0.5	0.005 U	53.7	4.920	0.0002 U
9/2/14	0.005 U	0.005 U	0.261	0.005 U	0.005 U	91.5	0.01 U	0.01	0.007	0.5	0.005 U	54.8	6.190	0.0002 U
3/19/15	0.002 U	0.002 U	0.260	0.002 U	0.004 U	100.0	0.01 U	0.01	0.004 J	0.0 U	0.002 U	61.0	5.300	0.0002 U
8/31/15	0.001 U	0.002	0.250	0.001 U	0.001 U	90.0	0.01 U	0.01	0.005 U	0.0 U	0.001 U	53.0	4.100	0.0002
3/17/16	0.002 U	0.002 U	0.285	0.002 U	0.002 U	90.1	0.00 U	0.01	0.004	0.6	0.002 U	55.9	3.820	0.0002 U
9/1/16	0.002 U	0.003	0.291	0.002 U	0.002 U	99.8	0.01	0.01	0.007	0.7	0.002 U	61.2	3.420	0.0002 U
3/13/17	0.002 U	0.004	0.231	0.002 U	0.002 U	77.5	0.00 U	0.00	0.005	0.4	0.002 U	46.9	1.280	0.0002 U
9/11/17	0.002 U	0.002 U	0.249	0.002 U	0.002 U	83.7	0.00	0.00 U	0.002 U	0.4	0.002 U	52.4	1.340	0.0002 U
4/4/18	0.002 U	0.002 U	0.257	0.002 U	0.002 U	82.6	0.00	0.00 U	0.002 U	0.1 U	0.002 U	50.7	0.909	0.0002 U
9/4/18	0.002 U	0.002 U	0.276	0.002 U	0.002 U	105.0	0.00	0.00 U	0.002	0.1 U	0.002 U	62.5	1.770	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB01 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.03	3.6	0.005 U	0.01 U	54.3	0.005 U	0.01 U	0.012
9/8/11	0.04	--	--	--	--	--	--	--
3/7/12	0.04	4.2	0.005 U	0.01 U	81.5	0.005 U	0.01 U	0.013
9/13/12	0.03	4.3	0.005 U	0.01 U	60.3	0.005 U	0.01 U	0.011
4/2/13	0.03	4.6	0.005 U	0.01 U	70.5	0.005 U	0.01 U	0.012
9/17/13	0.03	3.9	0.005 U	0.01 U	65.2	0.005 U	0.01 U	0.013
3/6/14	0.03	4.3	0.005 U	0.01 U	97.0	0.005 U	0.01 U	0.013
9/2/14	0.03	4.4	0.005 U	0.01 U	99.3	0.005 U	0.01 U	0.016
3/19/15	0.04	5.3	0.035 U	0.01 U	120.0	0.002 U	0.01 U	0.017
8/31/15	0.02	4.8	0.005 U	0.00 U	95.0	0.001 U	0.01 U	0.011
3/17/16	0.02	4.3	0.002	0.00 U	125.0	0.001 U	0.00 U	0.009
9/1/16	0.04	4.9	0.004	0.00 U	119.0	0.001 U	0.00	0.011
3/13/17	0.01	3.9	0.002 U	0.00 U	96.8	0.001 U	0.00	0.007
9/11/17	0.01	4.3	0.002 U	0.00 U	122.0	0.001 U	0.00 U	0.007
4/4/18	0.01	4.3	0.003	0.00 U	117.0	0.001 U	0.00 U	0.007
9/4/18	0.02	4.5	0.004	0.00 U	128.0	0.001 U	0.00 U	0.009

**Gude Landfill**  
**Monitoring Location OB01 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/2/01	--	--	--	81.6790	0.005 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	85.7567	0.004	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	89.0149	0.002	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	98.5932	0.002	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.044
10/8/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.067
3/23/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.037
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.047
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.030
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.051
4/5/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.042
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.041
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.037
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/27/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	104.0	0.20 U	10.0 U	196.0000	--	--	330.0	1.6700	--	--	--	--	--	--
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/21/10	103.0	0.20 U	5.1 J	241.0000	--	--	350.0	1.9070 HT	2 HT	0.05 U	--	--	--	--
4/20/11	93.0	0.20 U	6.9	262.0000	--	--	364.0	1.7900	2	0.05 U	--	--	--	--



**Gude Landfill**  
**Monitoring Location OB01 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
9/8/11	112.0	0.20 U	10.0 U	291.0000	--	--	390.0	1.3400	1	0.05 U	--	--	--	--
3/7/12	100.0	0.20 U	5.4	322.0000	--	--	420.0	1.5600	2	0.05 U	--	--	--	--
9/13/12	73.0	0.20 U	10.0 U	284.0000	--	--	342.0	2.1300	2	0.05 U	--	--	--	--
4/2/13	80.0	0.20 U	10.0 U	291.0000	--	0	346.0	2.2100	2	0.05 U	410	5.87	--	--
9/17/13	66.0	0.20 U	10.0 U	303.0000	--	0	356.0	2.2800	2	0.05 U	391	5.46	--	--
3/6/14	86.0	0.20 U	10.0 U	379.0000	--	0	440.0	2.2800	--	--	370	5.67	--	--
9/2/14	77.0	0.20 U	10.0 U	411.0000	--	1	472.0	2.1100	2	0.05 U	391	5.65	--	--
3/19/15	81.0	0.20 U	10.0 U	430.0000	--	0	520.0	2.4700	3	0.05 U	245	5.77	--	--
8/31/15	70.0	0.20 U	10.0 U	421.0000	--	1	504.0	2.5900	3	0.05 U	234	5.70	--	--
3/17/16	72.0	0.20 U	10.0 U	456.0000	--	0	452.0	2.5700	3	0.05 U	379	5.74	--	--
9/1/16	70.0	0.20 U	10.0 U	481.0000	--	--	520.0	2.2900	2	0.05 U	373	5.78	--	--
3/13/17	57.0	0.20 U	10.0 U	411.0000	--	0	368.0	2.6000	3	0.05 U	385	5.68	--	--
9/11/17	72.0	0.20 U	10.0 U	397.0000	--	0	420.0	2.5700	3	0.05 U	401	5.72	--	--
4/4/18	51.4	0.20 U	10.0 U	464.0000	--	--	431.0	2.7800	3	0.05 U	253	5.70	--	--
9/4/18	67.0	0.20 U	10.0 U	520.0000	--	--	514.0	2.3500	2	0.05 U	253	5.66	--	--
4/17/19	79.7	0.10 U	19.0	591.0000	--	0	570.0	0.2000 U	--	--	202	5.68	5.83	--
8/8/19	91.9	0.10 U	3.0 U	667.0000	--	0	112.0	2.6000	--	--	203	5.34	5.78	--
3/12/20	86.1	0.10 U	9.4	618.0000	--	1	648.0	2.3900	--	--	184	5.43	5.84	--
8/5/20	103.0	0.10 U	15.8	663.0000	--	1	649.0	1.8600	--	--	209	5.88	5.73	--

Gude Landfill

Monitoring Location OB01 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/2/01	--	--	--	--	--	--	--	--	1.0	--
9/4/01	--	--	--	--	--	--	--	--	2.5	--
3/13/02	--	--	--	--	--	--	--	--	3.3	--
9/16/02	--	--	--	--	--	--	--	--	0.9	--
6/2/03	--	--	--	--	--	--	0 U	--	3.2	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	--	0 U	--	--	--
3/27/08	--	--	--	--	--	--	0	--	--	--
9/22/09	--	--	26.4	--	--	776	--	--	0.2	--
7/28/10	--	--	--	3.0 U	--	--	--	--	--	--
9/21/10	--	--	26.6	--	--	1176	--	--	1.0	--
4/20/11	--	--	26.8 J	--	--	856	--	--	2.0	--

Gude Landfill

Printed 10/24/20

Monitoring Location OB01 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/8/11	--	--	28.8	--	--	1116	--	--	--	--
3/7/12	--	--	26.1	--	--	876	--	--	--	--
9/13/12	--	--	24.2	--	--	856	--	--	--	--
4/2/13	1	--	22.3	--	15.8	980	--	--	--	1.4
9/17/13	1052	--	25.7	--	16.5	840	--	--	--	3.6
3/6/14	1293	--	26.5	--	15.7	758	--	--	--	0.0
9/2/14	1379	--	28.0	--	17.7	940	--	--	--	3.1
3/19/15	1391	--	26.5	--	16.4	960	--	--	--	0.0
8/31/15	1454	--	26.2	--	25.6	870	--	--	--	1.2
3/17/16	1537	--	24.9	--	15.8	928	--	--	--	0.0
9/1/16	1618	--	26.1	--	21.7	1080	--	--	--	0.0
3/13/17	1201	--	18.8	--	13.5	769	--	--	--	0.0
9/11/17	1543	--	20.7	--	21.2	983	--	--	--	0.7
4/4/18	1406	--	20.3	--	15.9	896	--	--	--	1.3
9/4/18	1764	--	26.2	--	19.4	1060	--	--	--	1.6
4/17/19	2357	1900	42.1	--	16.7	1700	--	9.3	0.5 U	3.0
8/8/19	2	2250	38.1	--	18.1	1920	--	7.6	0.5 U	0.0
3/12/20	2902	2210	34.4	--	17.0	1650	--	2.3 U	0.5 U	0.2
8/5/20	2130	2370	34.1	--	20.0	1230	--	5.4	0.5 U	0.2

**Gude Landfill**  
**Monitoring Location OB01 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/2/01	0.0007 U	0.0005 U	0.0402	0.0005 U	--	0.0020 U	--	0.0020 U	0.0007 U	0.0166	--	0.0020 U
9/4/01	0.0020 U	0.0020 U	0.0180	0.0017 U	--	0.0020 U	--	0.0021	0.0020 U	0.0134	--	0.0029
3/13/02	0.0005 U	0.0020 U	0.0249	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0107	--	0.0024
9/16/02	0.0007 U	0.0003 U	0.0342	0.0004 U	--	0.0004 U	--	0.0027	0.0020 U	0.0089	--	0.0020 U
6/2/03	0.0007 U	0.0020 U	0.0476	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0130	--	0.0020 U
10/8/03	0.0020 U	0.0008 U	0.1027	0.0016 U	--	0.0020 U	--	0.0020 U	0.0054	0.0103	--	0.0020 U
3/23/04	0.0009 U	0.0008 U	0.0588	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0020 U
9/20/04	0.0028 U	0.0006 U	0.1456	0.0012 U	--	0.0020 U	--	0.0007 U	0.0069	0.0114	--	0.0020 U
4/6/05	0.0028 U	0.0006 U	0.0360	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0105	--	0.0006 U
9/21/05	0.0028 U	0.0006 U	0.1325	0.0012 U	--	0.0020 U	--	0.0007 U	0.0070	0.0149	--	0.0020
4/5/06	0.0006 U	0.0006 U	0.1065	0.0007 U	--	0.0020 U	--	0.0020 U	0.0036	0.0107	--	0.0025
9/25/06	0.0007 U	0.0008 U	0.1459	0.0009 U	--	0.0006 U	--	0.0020 U	0.0051	0.0069	--	0.0007 U
4/17/07	0.0007 U	0.0008 U	0.1381	0.0009 U	0.020 U	--	--	0.0020 U	0.0094	0.0104	--	0.0020 U
10/4/07	0.0007 U	0.0008 U	0.1348	0.0009 U	0.020 U	--	--	0.0020 U	0.0039	0.0071	--	0.0007 U
3/27/08	0.0005 U	0.0006 U	0.1286	0.0010 U	0.020 U	--	--	0.0020 U	0.0071	0.0072	--	0.0020 U
3/9/09	0.0010 U	0.0010 U	0.1465	0.0012 U	0.050 U	--	--	0.0100 U	0.0100 U	0.0100 U	--	0.0007 U
9/22/09	0.0020 U	0.0020 U	0.1640	0.0020 U	--	0.0020 U	64.9	0.0020 U	0.0090	0.0070	0.2 U	0.0020 U
7/28/10	0.0010 U	0.0009 J	0.1700	0.0010 U	--	0.0010 U	--	0.0007 J	0.0110	0.0026	--	0.0010 U
9/21/10	0.0050 U	0.0050 U	0.1690	0.0050 U	--	0.0050 U	68.2	0.0050 U	0.0101	0.0094	0.5 J	0.0050 U
4/20/11	0.0050 U	0.0050 U	0.1820	0.0050 U	--	0.0050 U	76.2	0.0050 U	0.0147	0.0063	0.8	0.0050 U
9/8/11	0.0050 U	0.0050 U	0.1910	0.0050 U	--	0.0050 U	73.8	0.0050 U	0.0289	0.0065	0.5	0.0054
3/7/12	0.0050 U	0.0050 U	0.2140	0.0050 U	--	0.0050 U	81.2	0.0050 U	0.0219	0.0119	1.6	0.0050 U
9/13/12	0.0050 U	0.0050 U	0.1710	0.0050 U	--	0.0050 U	69.1	0.0050 U	0.0090	0.0058	0.4	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB01 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
4/2/13	0.0050 U	0.0050 U	0.1850	0.0050 U	--	0.0050 U	73.3	0.0050 U	0.0111	0.0148	0.5	0.0050 U
9/17/13	0.0050 U	0.0050 U	0.1840	0.0050 U	--	0.0050 U	73.4	0.0050 U	0.0068	0.0061	0.5	0.0050 U
3/6/14	0.0050 U	0.0050 U	0.2310	0.0050 U	--	0.0050 U	86.6	0.0050 U	0.0120	0.0062	0.6	0.0050 U
9/2/14	0.0050 U	0.0050 U	0.2760	0.0050 U	--	0.0050 U	89.2	0.0050 U	0.0148	0.0087	0.7	0.0050 U
3/19/15	0.0020 U	0.0020 U	0.2400	0.0020 U	--	0.0040 U	95.0	0.0100 U	0.0130	0.0042 J	0.0 U	0.0020 U
8/31/15	0.0010 U	0.0010 U	0.2600	0.0010 U	--	0.0005 U	91.0	0.0050 U	0.0073	0.0052	0.0 U	0.0010 U
3/17/16	0.0020 U	0.0020 U	0.2870	0.0020 U	--	0.0020 U	90.6	0.0020 U	0.0074	0.0039	0.6	0.0020 U
9/1/16	0.0020 U	0.0028	0.2850	0.0020 U	--	0.0020 U	101.0	0.0077	0.0071	0.0070	0.7	0.0020 U
3/13/17	0.0020 U	0.0038	0.2370	0.0020 U	--	0.0020 U	76.4	0.0020 U	0.0026	0.0082	0.4	0.0020 U
9/11/17	0.0020 U	0.0020 U	0.2520	0.0020 U	--	0.0020 U	84.0	0.0023	0.0030	0.0020 U	0.4	0.0020 U
4/4/18	0.0020 U	0.0020 U	0.2580	0.0020 U	--	0.0020 U	85.7	0.0029	0.0020 U	0.0020 U	0.1 U	0.0020 U
9/4/18	0.0020 U	0.0020 U	0.2710	0.0020 U	--	0.0020 U	104.0	0.0040	0.0022	0.0021	0.1 U	0.0020 U
4/17/19	0.0010 U	0.0010 U	0.3150	0.0010 U	--	0.0010 U	105.0	0.0011	0.0046	0.0045	0.1 U	0.0010 U
8/8/19	0.0010 U	0.0010 U	0.3420	0.0010 U	--	0.0010 U	17.7	0.0028	0.0079	0.0055 B	0.1 U	0.0010 U
3/12/20	0.0010 U	0.0010 U	0.3550	0.0010 U	--	0.0010 U	119.0	0.0016	0.0077	0.0014	0.0 J	0.0010 U
8/5/20	0.0010 U	0.0010 U	0.3730	0.0010 U	--	0.0010 U	117.0 B	0.0010 U	0.0117	0.0033	0.0 J	0.0010 U

**Gude Landfill**  
**Monitoring Location OB01 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/2/01	--	0.045	0.0002 U	0.0042	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	0.0196
9/4/01	--	0.100	0.0002 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/13/02	--	0.033	0.0002 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
9/16/02	--	0.106	0.0002 U	0.0046	--	0.0020 U	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
6/2/03	--	0.283	0.0002 U	0.0069	--	0.0012 U	0.0096 U	--	0.0010 U	0.0020 U	0.0020 U	--
10/8/03	--	0.749	0.0002 U	0.0088	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/23/04	--	0.075	0.0002 U	0.0033	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/20/04	--	0.845	0.0001 U	0.0125	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	--	0.133	0.0002 U	0.0035	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.852	0.0002 U	0.0151	--	0.0020 U	0.0018 U	--	0.0013	0.0050 U	0.0020 U	--
4/5/06	--	0.002 U	0.0001 U	0.0131	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	1.231	0.0002 U	0.0177	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0004	0.0194	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0157
10/4/07	--	--	0.0002 U	0.0182	--	0.0008 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0084
3/27/08	--	--	0.0002 U	0.0152	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0161
3/9/09	--	--	0.0002	0.0182	--	0.0012 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0120
9/22/09	36.000	2.770	0.0002 U	0.0260	3.52	0.0020 U	0.0020 U	47.4	0.0020 U	--	0.0003 U	0.0100 U
7/28/10	--	--	0.0002 U	0.0320	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0160
9/21/10	38.900	3.950	0.0002 U	0.0304	3.36	0.0050 U	0.0050 U	51.8	0.0050 U	--	0.0050 U	0.0107
4/20/11	45.300 U	5.070	0.0002 U	0.0307	3.81	0.0050 U	0.0050 U	58.2	0.0050 U	--	0.0050 U	0.0116
9/8/11	46.300	7.980	0.0002 U	--	3.78	0.0050 U	0.0050 U	66.3	0.0050 U	--	0.0050 U	0.0128
3/7/12	48.580	6.330	0.0004	0.0396	4.57	0.0050 U	0.0050 U	77.8	0.0050 U	--	0.0050 U	0.0163
9/13/12	38.600	3.740	0.0002 U	0.0289	3.85	0.0050 U	0.0050 U	57.2	0.0050 U	--	0.0050 U	0.0112

**Gude Landfill**  
**Monitoring Location OB01 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
4/2/13	45.000	3.800	0.0002 U	0.0322	4.55	0.0050 U	0.0050 U	73.6	0.0050 U	--	0.0050 U	0.0118
9/17/13	44.000	3.590	0.0002 U	0.0265	3.95	0.0050 U	0.0050 U	63.5	0.0050 U	--	0.0050 U	0.0120
3/6/14	52.100	4.990	0.0002 U	0.0313	4.35	0.0050 U	0.0050 U	94.1	0.0050 U	--	0.0050 U	0.0133
9/2/14	53.000	5.720	0.0002 U	0.0387	4.43	0.0050 U	0.0050 U	95.4	0.0050 U	--	0.0050 U	0.0174
3/19/15	61.000	5.300	0.0002	0.0400	5.10	0.0350 U	0.0100 U	120.0	0.0020 U	--	0.0100 U	0.0130
8/31/15	54.000	3.900	0.0002 U	0.0250	5.00	0.0050 U	0.0010 U	97.0	0.0010 U	--	0.0050 U	0.0110
3/17/16	56.300	5.040	0.0002 U	0.0226	4.38	0.0023	0.0006	125.0	0.0010 U	--	0.0020 U	0.0087
9/1/16	61.900	3.340	0.0002 U	0.0331	4.51	0.0040	0.0020 U	120.0	0.0010 U	--	0.0036	0.0106
3/13/17	45.200	1.250	0.0004	0.0140	4.00	0.0020 U	0.0020 U	94.7	0.0010 U	--	0.0047	0.0073
9/11/17	52.900	1.420	0.0002 U	0.0110	4.18	0.0020 U	0.0020 U	122.0	0.0010 U	--	0.0020 U	0.0070
4/4/18	52.600	0.969	0.0002 U	0.0110	4.44	0.0028	0.0020 U	122.0	0.0010 U	--	0.0020 U	0.0073
9/4/18	61.900	1.730	0.0002 U	0.0188	4.58	0.0042	0.0020 U	126.0	0.0010 U	--	0.0020 U	0.0085
4/17/19	74.900	3.540	0.0002	0.0266	5.05	0.0010 U	0.0010 U	141.0	0.0010 U	--	0.0010 U	0.0142
8/8/19	16.500	0.861	0.0001	0.0290	4.78	0.0010 U	0.0010 U	12.5	0.0010 U	--	0.0010 U	0.0175 B
3/12/20	84.900	4.550	0.0001	0.0269	5.48	0.0010 U	0.0010 U	187.0	0.0010 U	--	0.0010 U	0.0112
8/5/20	86.800	5.480	0.0002	0.0278	5.50	0.0010 U	0.0011	185.0	0.0010 U	--	0.0010 U	0.0108

Gude Landfill

Printed 10/24/20

Monitoring Location OB01 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200	200	5	5	7	7	7	0.2	0.05	600	5	5	5	5	
4/2/01	--	--	--	--	5.04	--	--	--	--	0.06	--	--	10.0 U	--	1.02
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	4.84	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	14.51	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.92
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	2.08	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	2.95	0.15 U	0.22 U	1.00 U	0.21 U	1.00 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
10/8/03	0.18 U	0.15 U	1.00 U	0.22 U	5.95	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	1.00 U	2.34
3/23/04	0.18 U	0.15 U	1.00 U	0.22 U	2.27	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.16
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	2.50	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.88
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	0.4 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	2.03	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.10
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	1.37	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.45
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.28
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	2.31	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.04
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	1.48	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.00 U
3/27/08	0.18 U	0.18 U	0.21 U	0.23 U	1.09	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.81
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	1.02	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	--	0.50 U	0.54
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.85	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	0.39 J	0.75 J
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	1.33 J	2.00 U	2.00 U	9.68	2.00 U	0.59 J	2.00 U	2.00 U	1.5 J	2.00 U	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.10	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location OB01 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	1.00 U	1.09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.03 U	0.01 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/2/01	--	--	10.00 U	--	--	--	--	--	--	--	--	--	--	0.10	--	--
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.75	0.11 U	0.35	0.15 U	0.18 U	1.00 U	--	0.15 U	--	--	--	1.28	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
10/4/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
3/27/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
3/9/09	0.11 U	0.13 U	--	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	1.94	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	0.49 J	1.00 U	1.00 U
7/28/10	--	1.00 U	2.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	3.19	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/8/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/7/12	--	--	1.90	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	1.64	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/17/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/12/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/5/20	--	1.00 U	1.50	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/2/01	--	--	--	0.05	--	--	0.3	0.56	--	--	11.92	--	--	0.88	--	--
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	1.0 U	1.00 U	0.21 U	--	10.88	0.19 U	0.17 U	1.04	--	0.26 U
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.3	1.00 U	0.21 U	--	25.37	0.19 U	0.17 U	1.68	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	1.00 U	0.21 U	--	6.14	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	1.00 U	0.21 U	--	13.94	0.19 U	0.17 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.00 U	1.0 U	1.00 U	0.21 U	--	47.72	0.19 U	0.17 U	1.24	--	1.00 U
3/23/04	0.18 U	0.14 U	1.00 U	1.04	0.15 U	0.28 U	0.2 U	1.00 U	1.00 U	--	19.47	0.19 U	0.17 U	1.00 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	1.00 U	0.25 U	--	33.97	0.29 U	0.27 U	1.00 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	1.00 U	0.25 U	--	5.98	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	1.0 U	1.00 U	0.25 U	--	34.36	0.29 U	0.27 U	1.29	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	16.06	0.29 U	0.27 U	1.00 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.26	0.3 U	1.00 U	0.25 U	--	34.18	0.29 U	0.27 U	1.00 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	1.00 U	0.25 U	--	22.85	0.29 U	0.27 U	1.00 U	--	0.23 U
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.21	0.3 U	1.00 U	0.25 U	--	25.50	0.29 U	0.27 U	1.00 U	--	0.23 U
3/27/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.1 U	0.21 U	0.15 U	--	14.78	0.13 U	0.15 U	0.50 U	--	0.26 U
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.69	0.1 U	0.76	0.20 U	--	9.71	0.12 U	0.13 U	0.50 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.03	0.3 J	0.65 J	1.00 U	--	11.80	1.00 U	1.00 U	0.44 J	--	1.00 U
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0 U	0.80 J	1.00 U	--	13.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.43 J	2.0 U	0.74 J	2.00 U	--	7.71	2.00 U	2.00 U	1.85 J	--	2.00 U
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	6.60	1.00 U	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
9/8/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	--	6.20	1.00 U	1.00 U	--	--	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.10	1.0 U	1.38	1.00 U	--	6.68	1.00 U	1.00 U	1.00 U	--	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.90	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.81	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.39	1.00 U	1.00 U	1.00 U	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.97	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.63	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.79	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.59	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	1 U	1.20	1.00 U	1.00 U	--	5 U	1.00 U
8/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.0 U	1.00 U	1.00 U	1 U	1.50	1.00 U	1.00 U	--	5 U	1.00 U
3/12/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/2/01	--	--	0.06	--	--	--	--	--	0.13	0.04	--	--	--	--	--
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.13	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	0.21 U
10/8/03	--	0.30 U	1.03	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	1.00 U	1.00 U	0.24 U	0.21 U	0.21 U
3/23/04	--	0.30 U	1.00 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	1.00 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/27/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
3/9/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	0.66 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	0.77 J	2.00 U	2.00 U	1.05 J	2.00 U	2.00 U	2.00 U	0.53 J	2.00 U	2.00 U
4/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB01 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
9/8/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/7/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/13/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/13	--	1.00 U	2.00 U	5.12	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/17/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/12/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

## Gude Landfill Monitoring Location OB01 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/2/01	0.84	--	--	0.69	--	--	6.50	--	--	--	--
9/4/01	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	7.59	0.18 U	--	--	--
3/13/02	1.61	0.24 U	--	1.03	0.13 U	0.14 U	5.41	0.18 U	--	--	--
9/16/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	3.11	0.18 U	--	--	--
6/2/03	2.20	0.24 U	--	1.00 U	0.13 U	0.14 U	3.85	0.18 U	--	--	--
10/8/03	0.17 U	0.24 U	--	3.35	0.13 U	0.14 U	12.71	0.18 U	--	6.02	--
3/23/04	1.00 U	1.00 U	--	1.00 U	0.13 U	0.14 U	4.37	0.18 U	--	1.20	--
9/20/04	1.00 U	0.32 U	--	1.08	0.24 U	0.30 U	5.77	0.36 U	--	5.13	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	1.00 U	1.03	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	1.09	0.24 U	0.30 U	2.49	0.36 U	--	4.40	--
4/5/06	1.00 U	0.32 U	--	1.00 U	0.24 U	0.30 U	2.25	0.36 U	--	3.32	--
9/25/06	1.26	0.32 U	--	1.13	0.24 U	0.30 U	2.34	0.36 U	--	5.26	--
4/17/07	1.00 U	0.32 U	--	1.00 U	0.24 U	0.30 U	1.52	0.36 U	--	1.42	--
10/4/07	1.00 U	0.32 U	--	1.42	0.24 U	0.30 U	1.44	0.36 U	--	4.75	--
3/27/08	0.50 U	0.28 U	0	0.50	0.08 U	--	0.83	0.07 U	--	1.31	--
3/9/09	1.20	0.12 U	1	0.50 U	0.13 U	--	0.88	0.10 U	--	0.90	--
9/22/09	1.00 U	1.00 U	--	0.40 J	1.00 U	1.00 U	0.73 J	1.00 U	--	0.55 J	--
7/28/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	0.50 J	1.00 U	1 U	4.00	--
9/21/10	2.00 U	2.00 U	--	0.70 J	2.00 U	2.00 U	2.00 U	2.00 U	2 U	5.09	--
4/20/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U



Gude Landfill

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Monitoring Location OB01 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/8/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/7/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.20	1 U
9/13/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.30	--
9/17/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/17/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/12/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location OB02 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.070	0.005 U	0.005 U	25.5	0.01 U	0.01 U	0.005 U	0.6	0.005 U	10.7	0.934	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.063	0.005 U	0.005 U	28.5	0.01 U	0.01 U	0.005 U	0.9	0.005 U	11.5	0.839	0.0002 U
9/10/12	0.005 U	0.005 U	0.052	0.005 U	0.005 U	23.3	0.01 U	0.01 U	0.005 U	0.4	0.005 U	10.4	0.653	0.0002 U
3/26/13	0.005 U	0.005 U	0.049	0.005 U	0.005 U	20.9	0.01 U	0.01 U	0.011	0.3	0.005 U	8.9	0.623	0.0002 U
9/17/13	0.005 U	0.005 U	0.049	0.005 U	0.005 U	23.4	0.01 U	0.01 U	0.005 U	0.3	0.005 U	9.7	0.619	0.0002 U
3/12/14	0.005 U	0.005 U	0.041	0.005 U	0.005 U	19.9	0.01 U	0.01 U	0.005 U	0.4	0.005 U	7.4	0.592	0.0002 U
9/8/14	0.005 U	0.005 U	0.060	0.005 U	0.005 U	24.8	0.01 U	0.01 U	0.005 U	0.3	0.005 U	10.3	0.673	0.0002 U
3/18/15	0.002 U	0.002 U	0.059	0.002 U	0.004 U	18.0	0.01 U	0.01 U	0.002 U	0.3	0.002 U	8.7	0.390	0.0002 U
8/31/15	0.001 U	0.001 U	0.120	0.001 U	0.001 U	44.0	0.01	0.01 U	0.005 U	0.2	0.001 U	19.0	1.400	0.0002 U
3/16/16	0.002 U	0.002 U	0.075	0.002 U	0.002 U	28.0	0.00 U	0.00 U	0.002 U	0.2	0.002 U	11.8	0.700	0.0002 U
8/29/16	0.002 U	0.002 U	0.128	0.002 U	0.002 U	40.3	0.00 U	0.00 U	0.002 U	0.4	0.002 U	18.3	1.140	0.0002 U
3/6/17	0.002 U	0.002 U	0.051	0.002 U	0.002 U	23.5	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	9.2	0.246	0.0002 U
9/12/17	0.002 U	0.002 U	0.042	0.002 U	0.002 U	20.3	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	7.8	0.268	0.0002 U
3/27/18	0.002 U	0.002 U	0.030	0.002 U	0.002 U	17.1	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	6.3	0.258	0.0002 U
9/11/18	0.002 U	0.002 U	0.086	0.002 U	0.002 U	34.3	0.00 U	0.00 U	0.002 U	0.1	0.002 U	15.1	0.779	0.0002 U

Gude Landfill

Monitoring Location OB02 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01 U	3.3	0.005 U	0.01 U	11.0	0.005 U	0.01 U	0.005 U
9/6/11	0.01 U	--	--	--	--	--	--	--
3/7/12	0.01 U	3.7	0.005 U	0.01 U	15.7	0.005 U	0.01 U	0.006
9/10/12	0.01	3.5	0.005 U	0.01 U	11.1	0.005 U	0.01 U	0.006
3/26/13	0.01 U	3.3	0.005 U	0.01 U	14.0	0.005 U	0.01 U	0.005 U
9/17/13	0.01 U	3.1	0.005 U	0.01 U	10.2	0.005 U	0.01 U	0.005
3/12/14	0.01 U	2.8	0.005 U	0.01 U	8.6	0.005 U	0.01 U	0.006
9/8/14	0.01 U	3.2	0.005 U	0.01 U	10.0	0.005 U	0.01 U	0.007
3/18/15	0.01 U	2.1	0.035 U	0.01 U	7.3	0.002 U	0.01 U	0.021
8/31/15	0.01	4.8	0.005 U	0.00 U	15.0	0.001 U	0.01 U	0.005 U
3/16/16	0.00 U	3.6	0.002 U	0.00 U	11.2	0.001 U	0.00 U	0.002 U
8/29/16	0.00	4.3	0.002 U	0.00 U	14.5	0.001 U	0.00 U	0.002 U
3/6/17	0.00 U	3.1	0.002 U	0.00 U	9.7	0.001 U	0.00 U	0.002 U
9/12/17	0.00 U	2.8	0.002 U	0.00 U	8.8	0.001 U	0.00 U	0.002 U
3/27/18	0.00 U	2.6	0.002 U	0.00 U	7.9	0.001 U	0.00 U	0.002 U
9/11/18	0.00	3.8	0.002 U	0.00 U	12.3	0.001 U	0.00 U	0.002 U

**Gude Landfill**  
**Monitoring Location OB02 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/2/01	--	--	--	76.7940	0.005 U	--	--	--	--	--	--	--	--	--	--
9/5/01	--	--	--	77.0228	0.003	--	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	80.4001	0.004	--	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	77.8282	0.001	--	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	84.7667	0.002 U	--	--	--	--	--	--	--	--	0.015	--
10/8/03	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.046	--
3/23/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.010 U	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.024	--
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.012	--
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.014	--
9/25/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.021	--
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.016	--
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.023	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	67.0	0.20 U	10.0 U	212.0000	--	--	350.0	0.2000 U	--	--	--	--	--	--	--
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/14/10	72.0	0.20 U	10.0 U	90.0000	--	--	169.0	0.2000 U	0 U	0.05 U	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB02 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
4/21/11	70.0	0.20 U	10.0 U	47.3000	--	--	130.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/6/11	72.0	0.20 U	10.0 U	51.1000	--	--	125.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/7/12	68.0	0.20 U	10.0 U	49.9000	--	--	116.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/10/12	68.0	0.20 U	10.0 U	404.0000	--	--	500.0	0.5750	1	0.05 U	--	--	--	--	--
3/26/13	67.0	0.20 U	34.6	27.8000	--	0	86.0	0.2000 U	0 U	0.05 U	182	7.16	--	--	253
9/17/13	65.0	0.20 U	10.0 U	32.2000	--	0	98.0	0.2000 U	0 U	0.05 U	196	6.74	--	--	229
3/12/14	67.0	0.20 U	10.0 U	24.3000	--	0	106.0	0.2000 U	--	--	184	6.85	--	--	199
9/8/14	66.0	0.20 U	10.0 U	44.8000	--	2	118.0	0.2000 U	0 U	0.05 U	178	7.10	--	--	268
3/18/15	72.0	0.20 U	10.0 U	101.0000	--	0	170.0	0.2000 U	0 U	0.05 U	298	6.66	--	--	389
8/31/15	73.0	0.20 U	10.0 U	107.0000	--	3	202.0	0.2000 U	0 U	0.05 U	165	6.77	--	--	509
3/16/16	67.0	0.20 U	10.0 U	54.8000	--	0	120.0	0.2000 U	0 U	0.05 U	221	7.02	--	--	301
8/29/16	85.0	0.20 U	10.0 U	109.0000	--	--	196.0	0.2000 U	0 U	0.05 U	220	6.41	--	--	485
3/6/17	102.0	0.20 U	10.0 U	32.2000	--	4	112.0	0.2000 U	0 U	0.05 U	299	7.00	--	--	223
9/12/17	93.0	0.20 U	10.0 U	20.7000	--	12	170.0	0.2000 U	0 U	0.05 U	329	7.11	--	--	194
3/27/18	70.2	0.20 U	10.0 U	12.1000	--	--	82.0	0.2000 U	0 U	0.05 U	136	7.15	--	--	159
9/11/18	69.3	0.20 U	10.0 U	80.9000	--	--	156.0	0.2000 U	0 U	0.05 U	128	6.47	--	--	403
4/17/19	59.3	0.10 U	12.0	195.0000	--	0	260.0	0.2000 U	--	--	168	5.99	6.69	--	889
8/2/19	59.6	0.10 U	6.3	209.0000	--	0	287.0	0.2000 U	--	--	176	5.63	6.18	--	1
3/3/20	72.6	0.10 U	3.0 U	174.0000	--	0	252.0	0.2000 U	--	--	181	6.12	6.29	--	687
8/5/20	46.0	0.10 U	10.8	140.0000	--	1	225.0	0.2000 U	--	--	182	6.43	6.42	--	594

**Gude Landfill**  
**Monitoring Location OB02 - General Parameters**

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/2/01	--	--	--	--	--	--	--	4.1	--
9/5/01	--	--	--	--	--	--	--	15.6	--
3/12/02	--	--	--	--	--	--	--	9.1	--
9/16/02	--	--	--	--	--	--	--	5.0	--
6/2/03	--	--	--	--	--	0 U	--	3.4	--
10/8/03	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	0 U	--	--	--
9/22/09	--	13.5	--	--	780	--	--	10.3	--
7/28/10	--	--	3.0 U	--	--	--	--	--	--
9/14/10	--	7.4	--	--	388	--	--	2.6	--

**Gude Landfill  
Monitoring Location OB02 - General Parameters**

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/21/11	--	4.2	--	--	336	--	--	33.3	--
9/6/11	--	5.9	--	--	1264	--	--	--	--
3/7/12	--	4.5	--	--	252	--	--	--	--
9/10/12	--	20.2	--	--	1124	--	--	--	--
3/26/13	--	5.1	--	14.0	152	--	--	--	7.5
9/17/13	--	4.8	--	15.5	174	--	--	--	35.3
3/12/14	--	5.0	--	14.7	178	--	--	--	83.2
9/8/14	--	5.5	--	15.3	166	--	--	--	10.5
3/18/15	--	7.3	--	11.5	286	--	--	--	23.9
8/31/15	--	6.3	--	19.4	320	--	--	--	14.9
3/16/16	--	6.2	--	18.3	263	--	--	--	3.0
8/29/16	--	8.2	--	17.4	382	--	--	--	16.4
3/6/17	--	5.3	--	10.8	115	--	--	--	7.7
9/12/17	--	5.3	--	14.4	150	--	--	--	--
3/27/18	--	5.3	--	11.9	133	--	--	--	5.9
9/11/18	--	6.5	--	14.9	262	--	--	--	8.6
4/17/19	719	15.8	--	13.9	642	--	10.6	8.5	6.4
8/2/19	826	20.0	--	16.1	616	--	4.2	3.9	0.4
3/3/20	717	14.4	--	15.8	494	--	12.0	11.3	7.3
8/5/20	636	11.4	--	20.5	374	--	12.3	10.7	14.5

**Gude Landfill**  
**Monitoring Location OB02 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/2/01	0.0007 U	0.0005 U	0.0540	0.0005 U	--	0.0020 U	--	0.0020 U	0.0007 U	0.0100 U	--	0.0020 U
9/5/01	0.0020 U	0.0020 U	0.1256	0.0017 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0121	--	0.0167
3/12/02	0.0020 U	0.0007 U	0.0838	0.0017 U	--	0.0020 U	--	0.0035	0.0020 U	0.0132	--	0.0051
9/16/02	0.0007 U	0.0020 U	0.1125	0.0004 U	--	0.0020 U	--	0.0026	0.0020 U	0.0137	--	0.0034
6/2/03	0.0007 U	0.0020 U	0.0524	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0090	--	0.0020 U
10/8/03	0.0009 U	0.0020 U	0.1579	0.0016 U	--	0.0020 U	--	0.0020 U	0.0030	0.0100 U	--	0.0020 U
3/23/04	0.0009 U	0.0020 U	0.1567	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0106	--	0.0020
9/20/04	0.0028 U	0.0020 U	0.1684	0.0012 U	--	0.0020 U	--	0.0020 U	0.0034	0.0154	--	0.0020 U
4/5/05	0.0028 U	0.0006 U	0.1443	0.0012 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0176	--	0.0020 U
9/21/05	0.0028 U	0.0020 U	0.1971	0.0012 U	--	0.0020 U	--	0.0020 U	0.0055	0.0267	--	0.0049
4/4/06	0.0006 U	0.0006 U	0.1508	0.0007 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0101	--	0.0022
9/25/06	0.0007 U	0.0008 U	0.2539	0.0009 U	--	0.0006 U	--	0.0020 U	0.0049	0.0054	--	0.0007 U
4/17/07	0.0007 U	0.0020 U	0.2817	0.0009 U	0.020 U	--	--	0.0020 U	0.0065	0.0080	--	0.0020 U
10/4/07	0.0020 U	0.0020 U	0.2464	0.0009 U	0.020 U	--	--	0.0020 U	0.0020 U	0.0192	--	0.0020 U
3/26/08	0.0005 U	0.0006 U	0.1635	0.0010 U	0.020 U	--	--	0.0008 U	0.0020 U	0.0052	--	0.0010 U
9/23/08	0.0010 U	0.0012 U	0.1338	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0074	--	0.0020 U
3/5/09	0.0020	0.0006 U	0.1568	0.0010 U	0.020 U	--	--	0.0008 U	0.0012 U	0.0055	--	0.0010 U
9/22/09	0.0020 U	0.0020 U	0.2960	0.0020 U	--	0.0020 U	60.6	0.0020 U	0.0057	0.0060	2.7	0.0020 U
7/28/10	0.0010 U	0.0024	0.1500	0.0010 U	--	0.0012	--	0.0100	0.0081	0.0290	--	0.0096
9/14/10	0.0050 U	0.0050 U	0.1260	0.0050 U	--	0.0050 U	39.1	0.0050 U	0.0050 U	0.0069	0.8	0.0050 U
4/21/11	0.0050 U	0.0050 U	0.5310	0.0050 U	--	0.0050 U	72.2	0.0050 U	0.0587	0.0050 U	25.2 U	0.0050 U
9/6/11	0.0050 U	0.0050 U	0.0771	0.0050 U	--	0.0050 U	28.2	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U
3/7/12	0.0050 U	0.0050 U	0.0702	0.0050 U	--	0.0050 U	28.4	0.0050 U	0.0050 U	0.0063	1.2	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB02 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/10/12	0.0050 U	0.0050 U	0.4270	0.0050 U	--	0.0050 U	103.0	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
3/26/13	0.0050 U	0.0050 U	0.0500	0.0050 U	--	0.0050 U	20.9	0.0050 U	0.0050 U	0.0106	0.7	0.0050 U
9/17/13	0.0050 U	0.0050 U	0.0524	0.0050 U	--	0.0050 U	23.6	0.0050 U	0.0050 U	0.0050 U	1.0	0.0050 U
3/12/14	0.0050 U	0.0050 U	0.0575	0.0050 U	--	0.0050 U	23.3	0.0050 U	0.0050 U	0.0086	3.3	0.0050 U
9/8/14	0.0050 U	0.0050 U	0.0636	0.0050 U	--	0.0050 U	23.6	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U
3/18/15	0.0020 U	0.0020 U	0.1200	0.0020 U	--	0.0040 U	35.0	0.0072 J	0.0100 U	0.0044 J	1.4	0.0020 U
8/31/15	0.0010 U	0.0010 U	0.1300	0.0010 U	--	0.0005 U	42.0	0.0190	0.0050 U	0.0050 U	1.1	0.0010 U
3/16/16	0.0020 U	0.0020 U	0.0814	0.0020 U	--	0.0020 U	39.0	0.0020 U	0.0020 U	0.0020 U	0.6	0.0020 U
8/29/16	0.0050 U	0.0050 U	0.1470	0.0050 U	--	0.0050 U	49.7	0.0050 U	0.0050 U	0.0050 U	1.4	0.0050 U
3/6/17	0.0050 U	0.0050 U	0.0687	0.0050 U	--	0.0050 U	25.3	0.0050 U	0.0050 U	0.0055	1.3	0.0050 U
9/12/17	0.0050 U	0.0050 U	0.0574	0.0050 U	--	0.0050 U	22.5	0.0050 U	0.0050 U	0.0095	1.2	0.0050 U
3/27/18	0.0050 U	0.0050 U	0.0433	0.0050 U	--	0.0050 U	18.9	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U
9/11/18	0.0050 U	0.0050 U	0.1040	0.0050 U	--	0.0050 U	36.1	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U
4/17/19	0.0010 U	0.0010 U	0.2990	0.0010 U	--	0.0010 U	49.4	0.0029	0.0051	0.0033	0.7	0.0010 U
8/2/19	0.0010 U	0.0010 U	0.3330	0.0010 U	--	0.0010 U	55.1	0.0031	0.0060	0.0018	0.5	0.0010 U
3/3/20	0.0010 U	0.0010 U	0.2360	0.0010 U	--	0.0010 U	50.8	0.0020	0.0072	0.0014	1.0	0.0010 U
8/5/20	0.0010 U	0.0010 U	0.2410	0.0010 U	--	0.0010 U	45.1	0.0023	0.0101	0.0031	0.9	0.0010 U

**Gude Landfill**  
**Monitoring Location OB02 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/2/01	--	0.116	0.0001 U	0.0020 U	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	0.0100 U
9/5/01	--	0.912	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0027	0.2000 U	0.0020 U	--
3/12/02	--	0.426	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.437	0.0001 U	0.0050	--	0.0012 U	0.0096 U	--	0.0010 U	0.0020	0.0003 U	--
6/2/03	--	0.122	0.0002 U	0.0025	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
10/8/03	--	1.429	0.0002 U	0.0043	--	0.0007 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/23/04	--	0.552	0.0002 U	0.0035	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/20/04	--	1.252	0.0001 U	0.0046	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/5/05	--	0.238	0.0001 U	0.0040	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	1.319	0.0001 U	0.0074	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0021	--
4/4/06	--	0.147	0.0001 U	0.0022	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	1.314	0.0002 U	0.0047	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0088	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0170
10/4/07	--	--	0.0002 U	0.0062	--	0.0008 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0176
3/26/08	--	--	0.0002 U	0.0028	--	0.0009 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	--	0.0002 U	0.0040 U	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/5/09	--	--	0.0002 U	0.0021	--	0.0009 U	0.0008 U	--	0.0006 U	0.0011 U	0.0006 U	0.0100 U
9/22/09	32.200	1.210	0.0002 U	0.0082	5.91	0.0020 U	0.0020 U	22.6	0.0020 U	--	0.0020 U	0.0100 U
7/28/10	--	--	0.0002 U	0.0130	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0150	0.0430
9/14/10	17.700	1.240	0.0002 U	0.0050 U	4.43	0.0050 U	0.0050 U	17.8	0.0050 U	--	0.0050 U	0.0053
4/21/11	59.300	10.100	0.0002 U	0.0168	13.70 J	0.0050 U	0.0050 U	111.0 J	0.0050 U	--	0.0050 U	0.0077
9/6/11	12.100	0.876	0.0002 U	--	3.99	0.0050 U	0.0050 U	11.0	0.0050 U	--	0.0050 U	0.0064
3/7/12	11.970	0.919	0.0002 U	0.0050 U	3.76	0.0050 U	0.0050 U	15.6	0.0050 U	--	0.0050 U	0.0063

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB02 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/10/12	59.000	0.058	0.0002 U	0.0050 U	5.69	0.0050 U	0.0050 U	34.5	0.0050 U	--	0.0050 U	0.0086
3/26/13	9.450	0.600	0.0002 U	0.0050 U	3.33	0.0050 U	0.0050 U	14.8	0.0050 U	--	0.0050 U	0.0050 U
9/17/13	9.940	0.623	0.0002 U	0.0050 U	3.25	0.0050 U	0.0050 U	10.2	0.0050 U	--	0.0050 U	0.0062
3/12/14	9.400	0.686	0.0002 U	0.0056	3.48	0.0050 U	0.0050 U	10.0	0.0050 U	--	0.0050 U	0.0162
9/8/14	10.600	0.699	0.0002 U	0.0050 U	3.27	0.0050 U	0.0050 U	10.3	0.0050 U	--	0.0050 U	0.0082
3/18/15	17.000	0.840	0.0002 U	0.0110 U	4.10	0.0350 U	0.0100 U	13.0	0.0020 U	--	0.0100 U	0.0100 U
8/31/15	20.000	1.300	0.0002 U	0.0180	5.00	0.0050 U	0.0010 U	15.0	0.0010 U	--	0.0050 U	0.0050 U
3/16/16	16.600	0.800	0.0002 U	0.0020 U	3.41	0.0020 U	0.0020 U	15.6	0.0010 U	--	0.0020 U	0.0020 U
8/29/16	20.100	1.270	0.0002 U	0.0050 U	4.53	0.0050 U	0.0050 U	15.7	0.0050 U	--	0.0050 U	0.0059
3/6/17	9.900	0.573	0.0002 U	0.0050 U	3.33	0.0050 U	0.0050 U	10.4	0.0050 U	--	0.0050 U	0.0054
9/12/17	8.710	0.593	0.0002 U	0.0050 U	3.00	0.0050 U	0.0050 U	9.4	0.0050 U	--	0.0050 U	0.0266
3/27/18	6.840	0.608	0.0002 U	0.0050 U	2.82	0.0050 U	0.0050 U	8.5	0.0050 U	--	0.0050 U	0.0307
9/11/18	16.100	0.879	0.0002 U	0.0050 U	4.11	0.0050 U	0.0050 U	13.4	0.0050 U	--	0.0050 U	0.0050 U
4/17/19	33.100	1.180	0.0001 U	0.0137	6.30	0.0010 U	0.0010 U	25.9	0.0010 U	--	0.0010 U	0.0209
8/2/19	36.300	1.480	0.0001 U	0.0153	6.89	0.0010 U	0.0010 U	27.6	0.0010 U	--	0.0010 U	0.0040 U
3/3/20	30.300	1.740	0.0001 U	0.0086	6.34	0.0010 U	0.0010 U	22.9	0.0010 U	--	0.0010 U	0.0044
8/5/20	27.200	1.560	0.0001 U	0.0086	6.07	0.0010 U	0.0010 U	21.8	0.0010 U	--	0.0010 U	0.0046

Gude Landfill

Printed 10/24/20

Monitoring Location OB02 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
4/2/01	--	--	--	--	--	--	--	--	--	--	--	--	10.0 U	--	--
9/5/01	0.18 U	1.00 U	0.23 U	0.22 U	0.19 U	1.00 U	1.00 U	1.10	0.21 U	1.00 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	1.48	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	0.17 U	1.00 U
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	0.2 U	0.17 U	1.00 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	1.00 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	1.00 U	4.97	0.40 U	1.00 U	1.13	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location OB02 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/2/01	--	--	10.00 U	--	--	--	--	--	--	--	--	--	--	--	--	--
9/5/01	1.00 U	0.19 U	10.00 U	1.00 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	1.00 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	0.42	0.15 U	0.18 U	1.00 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	1.00 U	0.11 U	5.33	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	1.00 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	1.00 U	0.33 U	10.00 U	0.23 U	1.00 U	1.00 U	1.00 U	1.00 U	--	0.39 U	--	--	--	0.28 U	1.00 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/4/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/26/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	0.38 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.61 J	--	1 U	--	1.00 U	1.00 U	1.00 U
7/28/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/7/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	14.50	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/17/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.40 B	--	5 U	1 U	1.00 U	--	1.00 U
8/2/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/5/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/2/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/5/01	0.18 U	0.14 U	1.00 U	1.92	1.00 U	1.00 U	1.0 U	0.23 U	1.00 U	--	0.22 U	0.19 U	0.17 U	1.90	--	1.00 U
3/12/02	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.90	0.19 U	0.17 U	0.20 U	--	0.26 U
10/8/03	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	50.54	0.19 U	0.17 U	0.20 U	--	0.26 U
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	21.16	0.19 U	0.17 U	0.20 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	12.61	0.29 U	0.27 U	0.20 U	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	4.53	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	1.00 U	0.3 U	0.27 U	1.00 U	--	6.06	0.29 U	0.27 U	1.00 U	--	1.00 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.79	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.41	0.29 U	0.27 U	0.20 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.14	0.29 U	0.27 U	0.20 U	--	0.23 U
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.19	0.29 U	0.27 U	0.20 U	--	0.23 U
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	1.96	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.38	0.12 U	0.13 U	0.15 U	--	0.12 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.15	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	0.71 U	1.00 U	1.00 U	1.00 U	--	1.00 U
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/2/01	--	--	0.06	--	--	--	--	--	0.10	0.04	--	0.06	0.04	--	--
9/5/01	--	1.00 U	1.00 U	1.00 U	--	--	0.22 U	1.00 U	1.11	1.00 U	0.27 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	1.00 U	0.24 U	0.21 U	0.21 U
10/8/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/23/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/05	--	0.13 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	2.69	1.00 U	1.00 U	1.74	1.39	1.00 U	1.00 U
4/4/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/26/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/14/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

**Gude Landfill**  
**Monitoring Location OB02 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/21/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/6/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/7/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/10/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/17/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/2/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location OB02 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/2/01	0.13	--	--	--	--	--	--	--	--	--	--
9/5/01	1.35	1.00 U	--	1.00 U	0.13 U	1.00 U	1.00 U	1.12	--	--	--
3/12/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
9/16/02	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
6/2/03	1.84	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
10/8/03	2.89	1.00 U	--	1.00 U	0.13 U	1.00 U	8.04	0.18 U	--	1.87	--
3/23/04	0.17 U	0.24 U	--	1.00 U	0.13 U	0.14 U	4.92	0.18 U	--	0.19	--
9/20/04	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	2.99	0.36 U	--	1.00 U	--
4/5/05	1.00 U	0.32 U	--	0.45 U	0.24 U	1.00 U	1.36	0.36 U	--	0.32 U	--
9/21/05	1.67	1.00 U	--	0.45 U	0.24 U	0.30 U	2.04	0.36 U	--	0.32 U	--
4/4/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
9/25/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/17/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/4/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
3/26/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.50 U	0.07 U	--	0.22 U	--
9/23/08	0.50 U	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
3/5/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
9/22/09	0.55 U	1.00 U	--	1.00 U	1.00 U	1.00 U	0.32 U	1.00 U	--	1.00 U	--
7/28/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/14/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location OB02 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/21/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/6/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/7/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/10/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/26/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/17/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/12/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/16/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/29/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/17/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/2/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/3/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location OB02A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.339	0.005 U	0.005 U	84.8	0.01 U	0.01 U	0.006	0.7	0.005 U	48.6	0.039	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.366	0.005 U	0.005 U	89.3	0.01 U	0.01 U	0.006	0.4	0.005 U	49.9	0.046	0.0002 U
9/10/12	0.005 U	0.005 U	0.439	0.010 U	0.005 U	109.0	0.01 U	0.01 U	0.005	0.6	0.005 U	64.4	0.054	0.0002 U
3/26/13	0.005 U	0.005 U	0.377	0.005 U	0.005 U	90.0	0.01 U	0.01 U	0.012	0.4	0.005 U	52.1	0.040	0.0002 U
9/17/13	0.005 U	0.005 U	0.444	0.005 U	0.005 U	112.0	0.01 U	0.01 U	0.005 U	0.5	0.005 U	67.6	0.054	0.0002 U
3/12/14	0.005 U	0.005 U	0.397	0.005 U	0.005 U	95.6	0.01 U	0.01 U	0.005 U	0.5	0.005 U	53.0	0.047	0.0002 U
9/8/14	0.005 U	0.005 U	0.435	0.005 U	0.005 U	98.3	0.01 U	0.01 U	0.005 U	0.5	0.005 U	58.7	0.049	0.0002 U
3/18/15	0.002 U	0.002 U	0.310	0.002 U	0.004 U	85.0	0.01 U	0.01 U	0.003 J	0.0 U	0.002 U	45.0	0.025	0.0002 U
8/31/15	0.001 U	0.001 U	0.460	0.001 U	0.001 U	110.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	65.0	0.043	0.0002 U
3/16/16	0.002 U	0.002 U	0.435	0.002 U	0.002 U	102.0	0.00 U	0.00 U	0.002 U	0.6	0.002 U	59.3	0.053	0.0002 U
8/29/16	0.002 U	0.002 U	0.470	0.002 U	0.002 U	102.0	0.00 U	0.00 U	0.002 U	0.6	0.002 U	63.6	0.047	0.0002 U
3/6/17	0.002 U	0.004	0.498	0.002 U	0.002 U	108.0	0.00	0.00 U	0.003	0.6	0.002 U	65.5	0.045	0.0002 U
9/12/17	0.002 U	0.002 U	0.494	0.002 U	0.002 U	107.0	0.00 U	0.00 U	0.002 U	0.5	0.002 U	65.4	0.041	0.0002 U
3/27/18	0.002 U	0.002 U	0.463	0.002 U	0.002 U	102.0	0.00	0.00 U	0.002 U	0.2 U	0.002 U	61.3	0.028	0.0002 U
9/11/18	0.002 U	0.002 U	0.430	0.002 U	0.002 U	88.2	0.00	0.00 U	0.002 U	0.1 U	0.002 U	53.2	0.033	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB02A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01	4.4	0.005 U	0.01 U	29.9	0.005 U	0.01 U	0.008
9/6/11	0.01	--	--	--	--	--	--	--
3/7/12	0.01	5.3	0.005 U	0.01 U	35.3	0.005 U	0.01 U	0.007
9/10/12	0.01 U	5.8	0.005 U	0.01 U	39.1	0.005 U	0.01 U	0.009
3/26/13	0.01	5.0	0.005 U	0.01 U	36.0	0.005 U	0.01 U	0.007
9/17/13	0.01	5.5	0.005 U	0.01 U	39.8	0.005 U	0.01 U	0.008
3/12/14	0.01	4.6	0.005 U	0.01 U	33.7	0.005 U	0.01 U	0.009
9/8/14	0.01	5.0	0.005 U	0.01 U	39.0	0.005 U	0.01 U	0.010
3/18/15	0.01	3.7	0.035 U	0.01 U	28.0	0.002 U	0.01 U	0.008 U
8/31/15	0.01 U	5.8	0.005 U	0.00 U	46.0	0.001 U	0.01 U	0.005 U
3/16/16	0.01	4.5	0.002 U	0.00 U	40.8	0.001 U	0.00 U	0.004
8/29/16	0.01	5.4	0.002 U	0.00 U	43.7	0.001 U	0.00 U	0.004
3/6/17	0.02	5.2	0.002 U	0.00 U	46.1	0.001 U	0.00	0.006
9/12/17	0.01	5.2	0.002 U	0.00 U	46.1	0.001 U	0.00 U	0.004
3/27/18	0.01	5.3	0.002 U	0.00 U	44.9	0.001 U	0.00 U	0.005
9/11/18	0.01	5.0	0.002 U	0.00 U	40.3	0.001 U	0.00 U	0.004

**Gude Landfill**  
**Monitoring Location OB02A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/2/01	--	--	--	74.0551	0.005 U	--	--	--	--	--	--	--	--	--	--
9/5/01	--	--	--	69.1777	0.003	--	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	81.3822	0.002	--	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	140.4650	0.001 U	--	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	54.9980	0.002 U	--	--	--	--	--	--	--	--	0.078	--
10/8/03	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.083	--
3/23/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.039	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.056	--
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.064	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.543	--
4/4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.062	--
9/25/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.049	--
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.053	--
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.063	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	38.0	0.20 U	3.6 J	280.0000	--	--	390.0	0.5894	--	--	--	--	--	--	--
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/14/10	40.0	0.20 U	10.0 U	310.0000	--	--	420.0	0.5890	1	0.05 U	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB02A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
4/21/11	35.0	0.20 U	10.0 U	302.0000	--	--	391.0	0.5430	1	0.05 U	--	--	--	--	--
9/6/11	36.0	0.20 U	10.0 U	350.0000	--	--	463.0	0.5760	1	0.05 U	--	--	--	--	--
3/7/12	36.0	0.20 U	10.0 U	334.0000	--	--	414.0	0.5820	1	0.05 U	--	--	--	--	--
9/10/12	33.0	0.20 U	10.0 U	36.0000	--	--	112.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/26/13	33.0	0.20 U	10.0 U	335.0000	--	0	426.0	0.6230	1	0.05 U	343	5.70	--	--	1
9/17/13	34.0	0.20 U	10.0 U	419.0000	--	0	520.0	0.6160	1	0.05 U	404	5.34	--	--	1327
3/12/14	33.0	0.20 U	10.0 U	359.0000	--	0	444.0	0.6510	--	--	401	5.33	--	--	1125
9/8/14	37.0	0.20 U	10.0 U	383.0000	--	3	498.0	0.6140	1	0.05 U	327	5.77	--	--	1249
3/18/15	32.0	0.20 U	10.0 U	299.0000	--	0	432.0	0.6250	1	0.05 U	376	5.49	--	--	851
8/31/15	37.0	0.20 U	10.0 U	431.0000	--	1	580.0	0.6930	1	0.05 U	280	5.59	--	--	1365
3/16/16	35.0	0.20 U	10.0 U	391.0000	--	0	508.0	0.9900	1	0.05 U	370	5.58	--	--	1230
8/29/16	38.0	0.20 U	10.0 U	405.0000	--	--	552.0	0.9440	1	0.05 U	374	5.66	--	--	686
3/6/17	63.0	0.20 U	10.0 U	407.0000	--	--	202.0	1.3800	1	0.05 U	424	5.55	--	--	1292
9/12/17	52.0	0.20 U	10.0 U	401.0000	--	1	450.0	1.6700	2	0.05 U	468	5.74	--	--	1433
3/27/18	39.2	0.20 U	10.0 U	394.0000	--	--	540.0	1.9100	2	0.05 U	235	5.75	--	--	1208
9/11/18	41.4	0.20 U	10.0 U	381.0000	--	--	473.0	1.6600	2	0.05 U	232	5.52	--	--	1246
4/17/19	34.7	0.10 U	13.0	196.0000	--	1	251.0	1.9000	--	--	168	5.50	5.78	--	87
8/2/19	44.3	0.10 U	8.9	322.0000	--	0	380.0	1.2000	--	--	188	5.30	5.88	--	1
3/3/20	38.1	0.10 U	3.0 U	331.0000	--	1	392.0	1.7100	--	--	238	5.48	5.63	--	1124
8/5/20	31.2	0.10 U	11.5	330.0000	--	1	411.0	1.1300	--	--	215	5.69	5.65	--	1114

Gude Landfill

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Monitoring Location OB02A - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/2/01	--	--	--	--	--	--	--	1.6	--
9/5/01	--	--	--	--	--	--	--	2.7	--
3/12/02	--	--	--	--	--	--	--	1.9	--
9/16/02	--	--	--	--	--	--	--	3.0	--
6/2/03	--	--	--	--	--	0 U	--	2.8	--
10/8/03	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	0 U	--	--	--
9/22/09	--	22.4	--	--	1088	--	--	3.8	--
7/28/10	--	--	3.0 U	--	--	--	--	--	--
9/14/10	--	25.4	--	--	1192	--	--	0.9	--

Gude Landfill

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Monitoring Location OB02A - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/21/11	--	17.8 J	--	--	288	--	--	0.4	--
9/6/11	--	21.5	--	--	68	--	--	--	--
3/7/12	--	18.4	--	--	824	--	--	--	--
9/10/12	--	4.9	--	--	176	--	--	--	--
3/26/13	--	19.3	--	14.7	796	--	--	--	0.0
9/17/13	--	22.2	--	15.7	1072	--	--	--	0.0
3/12/14	--	22.5	--	14.8	944	--	--	--	1.6
9/8/14	--	22.9	--	15.1	826	--	--	--	1.4
3/18/15	--	17.5	--	13.6	644	--	--	--	5.4
8/31/15	--	21.5	--	16.8	932	--	--	--	2.6
3/16/16	--	23.5	--	17.4	770	--	--	--	4.6
8/29/16	--	23.2	--	15.5	936	--	--	--	0.0
3/6/17	--	19.3	--	13.7	670	--	--	--	0.0
9/12/17	--	18.5	--	14.5	929	--	--	--	0.0
3/27/18	--	19.9	--	11.6	1040	--	--	--	16.8
9/11/18	--	19.7	--	15.6	747	--	--	--	0.0
4/17/19	707	24.5	--	14.4	659	--	24.1	7.7	9.9
8/2/19	1160	24.1	--	16.6	975	--	2.3 U	0.5 U	0.0
3/3/20	1150	24.1	--	17.0	772	--	41.8	2.7	4.5
8/5/20	1280	24.4	--	17.7	690	--	79.4	12.0	15.5

**Gude Landfill**  
**Monitoring Location OB02A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/2/01	0.0007 U	0.0005 U	0.0791	0.0005 U	--	0.0022	--	0.0020 U	0.0007 U	0.0139	--	0.0029
9/5/01	0.0020 U	0.0020 U	0.0946	0.0017 U	--	0.0020 U	--	0.0020 U	0.0004 U	0.0086	--	0.0034
3/12/02	0.0020 U	0.0007 U	0.1163	0.0017 U	--	0.0020 U	--	0.0039	0.0004 U	0.0118	--	0.0026
9/16/02	0.0007 U	0.0003 U	0.1795	0.0004 U	--	0.0020 U	--	0.0026	0.0020 U	0.0102	--	0.0063
6/2/03	0.0007 U	0.0020 U	0.1050	0.0004 U	--	0.0020 U	--	0.0005 U	0.0004 U	0.0090	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.0976	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.0100 U	--	0.0020 U
3/23/04	0.0009 U	0.0008 U	0.1032	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.0020 U
9/20/04	0.0028 U	0.0006 U	0.1403	0.0012 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0154	--	0.0020 U
4/5/05	0.0028 U	0.0006 U	0.1033	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0159	--	0.0020 U
9/21/05	0.0028 U	0.0006 U	0.1198	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0114	--	0.0020
4/4/06	0.0006 U	0.0006 U	0.1035	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0137	--	0.0031
9/25/06	0.0007 U	0.0008 U	0.2976	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0057	--	0.0007 U
4/17/07	0.0007 U	0.0008 U	0.2861	0.0009 U	0.006 U	--	--	0.0020 U	0.0005 U	0.0062	--	0.0007 U
10/2/07	0.0020 U	0.0008 U	0.1479	0.0009 U	0.006 U	--	--	0.0020 U	0.0005 U	0.0103	--	0.0020 U
3/26/08	0.0005 U	0.0006 U	0.2413	0.0010 U	0.020 U	--	--	0.0020 U	0.0012 U	0.0045	--	0.0010 U
9/23/08	0.0010 U	0.0012 U	0.1676	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0061	--	0.0020 U
3/5/09	0.0033	0.0006 U	0.2743	0.0010 U	0.020 U	--	--	0.0020 U	0.0012 U	0.0064	--	0.0010 U
9/22/09	0.0020 U	0.0020 U	0.3540	0.0020 U	--	0.0020 U	77.5	0.0020 U	0.0003 J	0.0054	0.4	0.0020 U
7/28/10	0.0010 U	0.0010	0.3500	0.0010 U	--	0.0010 U	--	0.0010 U	0.0010 U	0.0010	--	0.0010 U
9/14/10	0.0050 U	0.0050 U	0.3450	0.0050 U	--	0.0050 U	87.1	0.0050 U	0.0050 U	0.0077	0.7	0.0050 U
4/21/11	0.0050 U	0.0050 U	0.3490	0.0050 U	--	0.0050 U	82.9	0.0050 U	0.0050 U	0.0053	0.5 U	0.0050 U
9/6/11	0.0050 U	0.0050 U	0.3970	0.0050 U	--	0.0050 U	96.3	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
3/7/12	0.0050 U	0.0050 U	0.3560	0.0050 U	--	0.0050 U	94.0	0.0050 U	0.0050 U	0.0051	0.4	0.0050 U

**Gude Landfill**  
**Monitoring Location OB02A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/10/12	0.0050 U	0.0050 U	0.0568	0.0050 U	--	0.0050 U	24.7	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U
3/26/13	0.0050 U	0.0050 U	0.3850	0.0050 U	--	0.0050 U	90.3	0.0050 U	0.0050 U	0.0112	0.5	0.0050 U
9/17/13	0.0050 U	0.0050 U	0.4390	0.0050 U	--	0.0050 U	112.0	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
3/12/14	0.0050 U	0.0050 U	0.3990	0.0050 U	--	0.0050 U	88.9	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
9/8/14	0.0050 U	0.0050 U	0.4360	0.0050 U	--	0.0050 U	91.2	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
3/18/15	0.0020 U	0.0020 U	0.3000	0.0020 U	--	0.0040 U	80.0	0.0033 J	0.0100 U	0.0035 J	0.6	0.0020 U
8/31/15	0.0010 U	0.0010 U	0.4600	0.0010 U	--	0.0005 U	110.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U
3/16/16	0.0020 U	0.0020 U	0.4360	0.0020 U	--	0.0020 U	102.0	0.0020 U	0.0020 U	0.0020 U	0.7	0.0020 U
8/29/16	0.0020 U	0.0020 U	0.4730	0.0020 U	--	0.0020 U	103.0	0.0020 U	0.0020 U	0.0020 U	1.3	0.0020 U
3/6/17	0.0050 U	0.0050 U	0.4770	0.0050 U	--	0.0050 U	111.0	0.0050 U	0.0050 U	0.0050 U	1.2	0.0050 U
9/12/17	0.0020 U	0.0020 U	0.4880	0.0020 U	--	0.0020 U	107.0	0.0020 U	0.0020 U	0.0020 U	0.9	0.0020 U
3/27/18	0.0050 U	0.0050 U	0.4930	0.0050 U	--	0.0050 U	109.0	0.0050 U	0.0050 U	0.0050 U	2.0	0.0050 U
9/11/18	0.0020 U	0.0020 U	0.4260	0.0020 U	--	0.0020 U	94.7	0.0028	0.0020 U	0.0020 U	0.1 U	0.0020 U
4/17/19	0.0010 U	0.0010 U	0.2140	0.0010 U	--	0.0010 U	48.2	0.0086	0.0010 U	0.0020	0.8	0.0010 U
8/2/19	0.0010 U	0.0010 U	0.3410	0.0010 U	--	0.0010 U	69.0	0.0010 U	0.0010 U	0.0010 U	0.1 U	0.0010 U
3/3/20	0.0010 U	0.0010 U	0.3370	0.0010 U	--	0.0010 U	74.2	0.0010 U	0.0010 U	0.0032	0.1	0.0010 U
8/5/20	0.0010 U	0.0010 U	0.4040	0.0010 U	--	0.0010 U	74.1	0.0030	0.0010 U	0.0023	1.1	0.0010 U

**Gude Landfill**  
**Monitoring Location OB02A - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/2/01	--	0.036	0.0001 U	0.0035	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	0.0175
9/5/01	--	0.014	0.0002 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/12/02	--	0.022	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.103	0.0001 U	0.0083	--	0.0012 U	0.0096 U	--	0.0010 U	0.0020 U	0.0003 U	--
6/2/03	--	0.035	0.0002 U	0.0052	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.022	0.0002 U	0.0040	--	0.0007 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/23/04	--	0.033	0.0002 U	0.0049	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/20/04	--	0.037	0.0002	0.0059	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/5/05	--	0.031	0.0001 U	0.0064	--	0.0010 U	0.0018 U	--	0.0006 U	0.0839	0.0020 U	--
9/21/05	--	0.030	0.0013	0.0060	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/4/06	--	0.013	0.0002 U	0.0061	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	0.002 U	0.0002 U	0.0082	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0092	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0068
10/2/07	--	--	0.0002 U	0.0059	--	0.0008 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0156
3/26/08	--	--	0.0002 U	0.0077	--	0.0009 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	--	0.0002 U	0.0073	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/5/09	--	--	0.0002 U	0.0092	--	0.0009 U	0.0008 U	--	0.0006 U	0.0011 U	0.0006 U	0.0131
9/22/09	46.400	0.038	0.0002 U	0.0122	4.73	0.0020 U	0.0020 U	31.2	0.0020 U	--	0.0002 J	0.0100 U
7/28/10	--	--	0.0002 U	0.0099	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0120
9/14/10	52.300	0.045	0.0002 U	0.0120	4.69	0.0050 U	0.0050 U	35.0	0.0050 U	--	0.0050 U	0.0081
4/21/11	53.400	0.051	0.0002 U	0.0110	5.20	0.0050 U	0.0050 U	31.6 J	0.0050 U	--	0.0050 U	0.0082
9/6/11	59.100	0.047	0.0002 U	--	5.78	0.0050 U	0.0050 U	34.9	0.0050 U	--	0.0050 U	0.0078
3/7/12	53.100	0.045	0.0002 U	0.0138	4.82	0.0050 U	0.0050 U	37.5	0.0050 U	--	0.0050 U	0.0065

**Gude Landfill**  
**Monitoring Location OB02A - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/10/12	10.600	0.718	0.0002 U	0.0135	3.56	0.0050 U	0.0050 U	10.9	0.0050 U	--	0.0050 U	0.0061
3/26/13	52.400	0.042	0.0002 U	0.0115	5.24	0.0050 U	0.0050 U	35.9	0.0050 U	--	0.0050 U	0.0070
9/17/13	66.700	0.055	0.0002 U	0.0131	5.51	0.0050 U	0.0050 U	39.8	0.0050 U	--	0.0050 U	0.0088
3/12/14	49.200	0.047	0.0002 U	0.0148	5.01	0.0050 U	0.0050 U	30.9	0.0050 U	--	0.0050 U	0.0076
9/8/14	54.300	0.050	0.0002 U	0.0125	4.95	0.0050 U	0.0050 U	36.8	0.0050 U	--	0.0050 U	0.0097
3/18/15	42.000	0.031	0.0002 U	0.0110 U	3.50	0.0350 U	0.0100 U	26.0	0.0020 U	--	0.0100 U	0.0130
8/31/15	64.000	0.043	0.0002 U	0.0100 U	5.90	0.0050 U	0.0010 U	46.0	0.0010 U	--	0.0050 U	0.0050 U
3/16/16	59.600	0.054	0.0002 U	0.0111	4.46	0.0020 U	0.0020 U	41.2	0.0010 U	--	0.0020 U	0.0047
8/29/16	62.700	0.052	0.0002 U	0.0120	5.43	0.0020 U	0.0020 U	43.7	0.0010 U	--	0.0020	0.0050
3/6/17	67.300	0.053	0.0002 U	0.0168	5.53	0.0050 U	0.0050 U	47.3	0.0050 U	--	0.0052	0.0091
9/12/17	65.600	0.044	0.0002 U	0.0111	5.27	0.0020 U	0.0020 U	46.0	0.0010 U	--	0.0020 U	0.0052
3/27/18	65.700	0.047	0.0005	0.0145	5.80	0.0050 U	0.0050 U	48.1	0.0050 U	--	0.0050 U	0.0391
9/11/18	57.300	0.035	0.0002 U	0.0117	5.30	0.0020 U	0.0020 U	43.5	0.0010 U	--	0.0020 U	0.0046
4/17/19	31.800	0.044	0.0006	0.0108	3.09	0.0010 U	0.0010 U	28.0	0.0010 U	--	0.0014	0.0095
8/2/19	50.300	0.035	0.0001	0.0090	4.55	0.0010 U	0.0010 U	41.1	0.0010 U	--	0.0010 U	0.0040 U
3/3/20	50.200	0.038	0.0001	0.0084	4.44	0.0010 U	0.0010 U	40.1	0.0010 U	--	0.0010 U	0.0062
8/5/20	54.800	0.050	0.0005	0.0107	5.44	0.0010 U	0.0010 U	46.1	0.0010 U	--	0.0025	0.0069

Gude Landfill

Printed 10/24/20

Monitoring Location OB02A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
4/2/01	--	--	--	--	0.13	--	--	--	--	--	--	--	10.0 U	--	--
9/5/01	0.18 U	0.15 U	0.23 U	0.22 U	4.01	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	1.84	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	4.14	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	5.40	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	5.99	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	0.17 U	1.24
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	1.77	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	1.24	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	1.10	0.37 U	0.35 U	1.08	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.50 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U



Gude Landfill

Printed 10/24/20

Monitoring Location OB02A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB02A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/2/01	--	--	10.00 U	--	--	--	--	--	--	--	--	--	--	--	--	--
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	1.00 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	2.76	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	0.36	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	3.50	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	5.15	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	2.80	--	--	--	1.00 U	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	1.00 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/26/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	0.30 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.86 U	--	1 U	--	1.00 U	1.00 U	1.00 U
7/28/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/7/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/17/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/2/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/5/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/2/01	--	--	--	--	--	--	--	--	--	--	1.22	--	--	0.22	--	--
9/5/01	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	67.24	0.19 U	0.17 U	1.02	--	0.26 U
3/12/02	0.18 U	1.00 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	40.15	0.19 U	1.00 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	143.07	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	162.61	0.19 U	0.17 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	1.0 U	0.23 U	0.21 U	--	189.59	0.19 U	0.17 U	1.00 U	--	0.26 U
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	66.86	0.19 U	0.17 U	0.20 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	48.26	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	19.58	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	43.45	0.29 U	0.27 U	1.00 U	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	6.90	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	5.96	0.29 U	0.27 U	0.20 U	--	0.23 U
3/26/08	0.19 U	0.12 U	0.09 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	0.56	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	6.87	0.12 U	0.13 U	0.15 U	--	0.12 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	9.19	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/14/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.50	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/17/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/17/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/2/01	--	--	0.07	--	--	--	--	--	0.09	0.04	--	--	--	--	--
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.31	1.00 U	0.23 U	0.27 U	1.00 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	1.00 U	1.00 U	0.21 U	0.21 U
10/8/03	--	1.00 U	1.00 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	1.00 U	0.17 U	0.24 U	0.21 U	0.21 U
3/23/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	1.00 U	0.41 U	0.25 U	1.00 U
4/4/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/2/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/26/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/14/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB02A - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/21/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/6/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/7/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/10/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/17/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/17/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/2/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location OB02A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/2/01	0.78	--	--	--	--	--	1.31	--	--	--	--
9/5/01	1.05	0.24 U	--	1.20	0.13 U	0.14 U	3.77	1.00 U	--	--	--
3/12/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	3.57	0.18 U	--	--	--
9/16/02	1.00 U	0.24 U	--	1.20	0.13 U	0.14 U	5.06	0.18 U	--	--	--
6/2/03	6.60	0.24 U	--	1.67	0.13 U	0.14 U	26.98	0.18 U	--	--	--
10/8/03	12.10	0.24 U	--	3.37	0.13 U	0.14 U	30.84	0.18 U	--	11.19	--
3/23/04	1.52	0.24 U	--	1.00 U	0.13 U	0.14 U	9.27	0.18 U	--	1.68	--
9/20/04	1.05	0.32 U	--	1.00 U	0.24 U	0.30 U	6.68	0.36 U	--	3.45	--
4/5/05	2.46	0.32 U	--	1.00 U	0.24 U	0.30 U	5.14	0.36 U	--	1.39	--
9/21/05	1.45	0.32 U	--	0.45 U	0.24 U	0.30 U	4.60	0.36 U	--	1.74	--
4/4/06	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	2.27	0.36 U	--	0.32 U	--
9/25/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/17/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/2/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.57	0.36 U	--	0.32 U	--
3/26/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	0.61	0.12 U	0	0.50 U	0.13 U	--	1.39	0.10 U	--	0.50 U	--
3/5/09	0.50 U	0.12 U	0	0.14 U	0.13 U	--	1.01	0.10 U	--	0.18 U	--
9/22/09	0.45 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
7/28/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/14/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--



Gude Landfill

Printed 10/24/20

Monitoring Location OB02A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/21/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/6/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/7/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/10/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/26/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/17/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/12/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/16/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/29/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/17/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/2/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/3/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location OB03A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.501	0.005 U	0.005 U	93.1	0.01 U	0.05	0.005 U	37.0	0.005 U	68.2	9.850	0.0002 U
9/19/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.512	0.005 U	0.005 U	76.5	0.01 U	0.06	0.006	29.8	0.005 U	53.5	13.200	0.0002 U
9/17/12	0.005 U	0.005 U	0.485	0.005 U	0.005 U	65.2	0.01 U	0.07	0.005 U	27.0	0.005 U	41.9	16.000	0.0002 U
3/28/13	0.005 U	0.005	0.450	0.005 U	0.005 U	69.0	0.01 U	0.05	0.011	28.7	0.005 U	49.1	10.400	0.0002 U
9/23/13	0.005 U	0.005 U	0.528	0.005 U	0.005 U	63.2	0.01 U	0.06	0.005	24.2	0.005 U	40.7	15.800	0.0002 U
3/12/14	0.005 U	0.005 U	0.356	0.005 U	0.005 U	66.3	0.01 U	0.05	0.005 U	21.9	0.005 U	47.5	8.450	0.0002 U
9/8/14	0.005 U	0.005 U	0.420	0.005 U	0.005 U	65.2	0.01 U	0.05	0.005 U	22.8	0.005 U	41.7	15.000	0.0002 U
3/18/15	0.002 U	0.002	0.250	0.002 U	0.004 U	77.0	0.01 U	0.04	0.001 J	12.0	0.002 U	45.0	6.600	0.0002 U
8/31/15	0.001 U	0.001	0.300	0.001 U	0.001 U	82.0	0.01 U	0.04	0.005 U	16.0	0.001 U	44.0	15.000	0.0002 U
3/23/16	0.002 U	0.004	0.211	0.002 U	0.002 U	69.5	0.00	0.03	0.002 U	19.3	0.002 U	49.4	6.800	0.0002 U
8/29/16	0.002 U	0.003	0.265	0.002 U	0.002 U	70.9	0.00 U	0.04	0.002 U	18.1	0.002 U	45.4	11.900	0.0002 U
3/6/17	0.002 U	0.005	0.380	0.002 U	0.002 U	71.1	0.01	0.05	0.011	26.0	0.002 U	43.8	16.900	0.0002 U
9/12/17	0.002 U	0.004	0.381	0.002 U	0.002 U	72.6	0.00	0.05	0.002 U	25.0	0.002 U	44.7	16.200	0.0002 U
3/27/18	0.002 U	0.007	0.218	0.002 U	0.002 U	75.5	0.01	0.03	0.002 U	24.8	0.002 U	51.6	8.170	0.0002 U
9/11/18	0.002 U	0.006	0.136	0.002 U	0.002 U	83.1	0.01	0.02	0.002 U	16.0	0.002 U	56.3	3.660	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB03A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.02	17.5	0.005 U	0.01 U	126.0	0.005 U	0.01 U	0.007
9/19/11	0.02	--	--	--	--	--	--	--
3/8/12	0.02	12.2	0.005	0.01 U	92.7	0.005 U	0.01 U	0.009
9/17/12	0.02	9.3	0.006	0.01 U	53.4	0.005 U	0.01 U	0.012
3/28/13	0.01	16.6	0.005 U	0.01 U	93.4	0.005 U	0.01 U	0.006
9/23/13	0.02	8.2	0.005 U	0.01 U	52.6	0.005 U	0.01 U	0.012
3/12/14	0.02	13.8	0.005 U	0.01 U	88.6	0.005 U	0.01 U	0.007
9/8/14	0.01	9.9	0.005 U	0.01 U	67.8	0.005 U	0.01 U	0.013
3/18/15	0.02	15.0	0.035 U	0.01 U	96.0	0.001 J	0.01 U	0.006 J
8/31/15	0.01 U	12.0	0.005 U	0.00 U	69.0	0.001 U	0.01 U	0.009
3/23/16	0.01	12.4	0.003	0.00 U	89.0	0.001 U	0.00 U	0.003
8/29/16	0.01	10.5	0.003	0.00 U	66.4	0.001 U	0.00 U	0.006
3/6/17	0.02	8.4	0.004	0.00 U	54.5	0.001 U	0.00 U	0.009
9/12/17	0.01	7.0	0.002	0.00 U	50.1	0.001 U	0.00 U	0.007
3/27/18	0.01	13.6	0.004	0.00 U	86.9	0.001 U	0.00	0.005
9/11/18	0.01	16.0	0.003	0.00 U	96.4	0.001 U	0.00	0.003

**Gude Landfill**  
**Monitoring Location OB03A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	93.6454	0.001	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	83.8251	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	72.7596	0.002	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	71.0865	0.005	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	290.5040	0.006	--	--	--	--	--	--	--	--	0.170
10/8/03	--	--	--	--	0.008	--	--	--	--	--	--	--	--	0.090
3/23/04	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.193
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.034
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.101
9/21/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.085
9/25/06	--	--	--	--	0.004	--	--	--	--	--	--	--	--	0.022
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.120
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	317.0	6.47	19.1	194.0000	--	--	700.0	0.2000 U	--	--	--	--	--	--
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/14/10	270.0	4.35	12.1	176.0000	--	--	360.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB03A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/26/11	340.0	7.91	35.0	239.0000	--	--	580.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/19/11	226.0	5.09	22.5	193.0000	--	--	375.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/8/12	266.0	6.15	31.1	245.0000	--	--	420.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/17/12	268.0	4.51	19.5	185.0000	--	--	350.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/28/13	338.0	6.67	52.1	229.0000	--	0	400.0	0.2000 U	0 U	0.05 U	166	6.29	--	--
9/23/13	260.0	4.18	17.5	177.0000	--	0	360.0	0.2000 U	0 U	0.05 U	209	5.34	--	--
3/12/14	278.0	6.76	19.0	217.0000	--	0	560.0	0.2000 U	--	--	170	6.03	--	--
9/8/14	257.0	4.96	21.1	213.0000	--	1	190.0	0.2000 U	0 U	0.05 U	142	6.16	--	--
3/18/15	292.0	4.64	18.4	180.0000	--	0	440.0	1.4900	2	0.05 U	206	7.10	--	--
8/31/15	286.0	3.65	24.4	182.0000	--	--	540.0	0.5590	1	0.05 U	116	6.18	--	--
3/23/16	299.0	5.97	23.4	200.0000	--	0	392.0	0.2000 U	0 U	0.05 U	115	6.29	--	--
8/29/16	293.0	3.95	18.0	186.0000	--	--	384.0	0.2000 U	0 U	0.05 U	147	6.19	--	--
3/6/17	33.0	0.31	17.7	539.0000	--	--	750.0	0.2000 U	0 U	0.05 U	189	5.93	--	--
9/12/17	270.0	2.70	12.1	178.0000	--	0	450.0	0.2000 U	0 U	0.05 U	186	5.98	--	--
3/27/18	339.0	5.62	27.9	193.0000	--	--	500.0	0.2000 U	0 U	0.05 U	-1	6.25	--	--
9/11/18	357.0	5.64	20.8	165.0000	--	--	434.0	0.2000 U	0 U	0.05 U	-29	6.30	--	--
4/16/19	357.0	3.47	31.0	166.0000	--	0	446.0	0.2000 U	--	--	-33	6.34	6.50	--
8/2/19	307.0	3.75	14.9	195.0000	--	0	387.0	0.2000 U	--	--	-28	5.80	6.38	--
3/11/20	435.0	2.41	16.8	109.0000	--	4	511.0	2.3100	--	--	1	6.78	6.60	--
8/5/20	260.0	2.30	29.1	171.0000	--	1	444.0	0.1200 U	--	--	17	6.31	6.19	--

Gude Landfill

Monitoring Location OB03A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	98.0	--
9/4/01	--	--	--	--	--	--	--	--	245.0	--
3/12/02	--	--	--	--	--	--	--	--	66.0	--
9/16/02	--	--	--	--	--	--	--	--	9.3	--
6/2/03	--	--	--	--	--	--	0	--	463.0	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	33.5	--	--	780	--	--	39.4	--
7/30/10	--	--	--	3.0 U	--	--	--	--	--	--
9/14/10	--	--	26.9	--	--	704	--	--	13.3	--

Gude Landfill

Printed 10/24/20

Monitoring Location OB03A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/26/11	--	--	58.4	--	--	980	--	--	13.6	--
9/19/11	--	--	31.5	--	--	888	--	--	--	--
3/8/12	--	--	41.8	--	--	952	--	--	--	--
9/17/12	--	--	21.2	--	--	632	--	--	--	--
3/28/13	2	--	36.0	--	15.8	796	--	--	--	1.8
9/23/13	998	--	29.7	--	17.4	578	--	--	--	3.8
3/12/14	1220	--	59.7	--	17.1	724	--	--	--	2.9
9/8/14	1117	--	34.3	--	18.0	560	--	--	--	6.2
3/18/15	1021	--	92.4	--	16.2	706	--	--	--	10.0
8/31/15	1112	--	29.7	--	23.7	590	--	--	--	62.7
3/23/16	1152	--	72.3	--	16.2	321	--	--	--	14.2
8/29/16	1184	--	45.2	--	30.2	650	--	--	--	98.5
3/6/17	1008	--	11.5	--	16.5	454	--	--	--	7.3
9/12/17	1124	--	23.7	--	17.6	621	--	--	--	5.0
3/27/18	1210	--	74.1	--	13.2	711	--	--	--	5.8
9/11/18	1327	--	117.0	--	17.9	785	--	--	--	65.1
4/16/19	1574	1240	121.0	--	16.5	794	--	8.8	31.5	8.1
8/2/19	1	1220	67.0	--	17.6	698	--	5.7	20.6	71.1
3/11/20	1255	1310	114.0	--	15.7	795	--	11.1	39.0	14.0
8/5/20	1189	1340	58.0	--	17.4	708	--	26.2	119.0	92.1

**Gude Landfill**  
**Monitoring Location OB03A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0092	0.0020 U	0.6058	0.0005 U	--	0.0006 U	--	0.0170	0.0386	0.0100 U	--	0.0013 U
9/4/01	0.0027	0.0073	0.5934	0.0017 U	--	0.0046	--	0.0050	0.0790	0.0135	--	0.0059
3/12/02	0.0005 U	0.0035	0.4795	0.0017 U	--	0.0020 U	--	0.0012 U	0.0827	0.0099	--	0.0020 U
9/16/02	0.0007 U	0.0042	0.4366	0.0004 U	--	0.0020 U	--	0.0020 U	0.0673	0.0090	--	0.0020 U
6/2/03	0.0007 U	0.0046	0.6983	0.0004 U	--	0.0004 U	--	0.0020 U	0.0834	0.0186	--	0.0020 U
10/8/03	0.0009 U	0.0047	0.8541	0.0016 U	--	0.0007 U	--	0.0020 U	0.0665	0.0142	--	0.0020 U
3/23/04	0.0009 U	0.0040	0.6897	0.0016 U	--	0.0007 U	--	0.0020 U	0.0744	0.0100 U	--	0.0020 U
9/20/04	0.0028 U	0.0027	0.6416	0.0012 U	--	0.0020 U	--	0.0020 U	0.0612	0.0100 U	--	0.0020 U
4/5/05	0.0028 U	0.0036	0.4988	0.0012 U	--	0.0020 U	--	0.0020 U	0.0820	0.0100 U	--	0.0020 U
9/21/05	0.0028 U	0.0034	0.5700	0.0012 U	--	0.0031	--	0.0020 U	0.0654	0.0141	--	0.0020 U
4/4/06	0.0006 U	0.0021	0.4668	0.0007 U	--	0.0022	--	0.0020 U	0.0584	0.0089	--	0.0026
9/25/06	0.0007 U	0.0033	0.6407	0.0009 U	--	0.0006 U	--	0.0007 U	0.0658	0.0054	--	0.0007 U
4/17/07	0.0007 U	0.0046	0.9942	0.0009 U	0.428	--	--	0.0007 U	0.0840	0.0101	--	0.0007 U
10/3/07	0.0020 U	0.0080	0.6580	0.0020 U	0.043	--	--	0.0020 U	0.0608	0.0079	--	0.0020 U
3/25/08	0.0005 U	0.0032	0.5139	0.0010 U	0.033	--	--	0.0020 U	0.0609	0.0056	--	0.0010 U
9/23/08	0.0010 U	0.0106	0.5699	0.0020 U	0.074	--	--	0.0016 U	0.0617	0.0083	--	0.0040 U
3/9/09	0.0010 U	0.0100 U	0.5930	0.0012 U	0.111	--	--	0.0100 U	0.0630	0.0100 U	--	0.0007 U
9/21/09	0.0020 U	0.0036	0.5680	0.0020 U	--	0.0020 U	69.4	0.0020 U	0.0698	0.0064	39.4	0.0020 U
7/30/10	0.0010 U	0.0048	0.5600	0.0010 U	--	0.0010 U	--	0.0010 U	0.0690	0.0010 U	--	0.0010 U
9/14/10	0.0050 U	0.0050 U	0.5810	0.0050 U	--	0.0050 U	66.0	0.0050 U	0.0684	0.0080	31.0	0.0050 U
4/26/11	0.0050 U	0.0050 U	0.0796	0.0050 U	--	0.0050 U	24.8 U	0.0050 U	0.0050 U	0.0108	2.7	0.0050 U
9/19/11	0.0050 U	0.0050 U	0.5290	0.0050 U	--	0.0050 U	68.5	0.0050 U	0.0563	0.0050 U	29.7	0.0050 U
3/8/12	0.0050 U	0.0050 U	0.5100	0.0050 U	--	0.0050 U	76.0	0.0050 U	0.0570	0.0096	29.9	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB03A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/17/12	0.0050 U	0.0050 U	0.4950	0.0050 U	--	0.0050 U	62.3	0.0050 U	0.0672	0.0050 U	26.5	0.0050 U
3/28/13	0.0050 U	0.0050 U	0.4350	0.0050 U	--	0.0050 U	70.9	0.0050 U	0.0441	0.0110	29.6	0.0050 U
9/23/13	0.0050 U	0.0050 U	0.5430	0.0050 U	--	0.0050 U	67.2	0.0050 U	0.0561	0.0050 U	25.6	0.0050 U
3/12/14	0.0050 U	0.0050 U	0.3760	0.0050 U	--	0.0050 U	62.8	0.0050 U	0.0470	0.0050 U	20.7	0.0050 U
9/8/14	0.0050 U	0.0050 U	0.4190	0.0050 U	--	0.0050 U	58.6	0.0050 U	0.0496	0.0050 U	20.6	0.0050 U
3/18/15	0.0020 U	0.0035	0.2500	0.0020 U	--	0.0040 U	78.0	0.0100 U	0.0340	0.0013 J	13.0	0.0020 U
8/31/15	0.0010 U	0.0026	0.3200	0.0011	--	0.0005 U	80.0	0.0050 U	0.0440	0.0050 U	23.0	0.0010 U
3/23/16	0.0050 U	0.0050 U	0.2350	0.0050 U	--	0.0050 U	76.5	0.0050 U	0.0331	0.0050 U	21.4	0.0050 U
8/29/16	0.0020 U	0.0065	0.3060	0.0020 U	--	0.0020 U	70.1	0.0020 U	0.0402	0.0027	35.6	0.0020 U
3/6/17	0.0050 U	0.0055	0.3840	0.0050 U	--	0.0050 U	72.9	0.0050 U	0.0561	0.0125	28.0	0.0050 U
9/12/17	0.0020 U	0.0041	0.3850	0.0020 U	--	0.0020 U	73.3	0.0049	0.0498	0.0020 U	25.7	0.0020 U
3/27/18	0.0050 U	0.0055	0.2200	0.0050 U	--	0.0050 U	82.0	0.0050 U	0.0295	0.0050 U	23.3	0.0050 U
9/11/18	0.0050 U	0.0058	0.1640	0.0050 U	--	0.0050 U	82.1	0.0050 U	0.0261	0.0050 U	20.8	0.0050 U
4/16/19	0.0010 U	0.0033	0.1810	0.0010 U	--	0.0010 U	81.2	0.0010 U	0.0269	0.0010 U	18.1	0.0010 U
8/2/19	0.0010 U	0.0034	0.2740	0.0010 U	--	0.0010 U	70.4	0.0013	0.0392	0.0010 U	22.1	0.0010 U
3/11/20	0.0010 U	0.0023	0.1450	0.0010 U	--	0.0010 U	98.7	0.0012	0.0202	0.0012	10.5	0.0010 U
8/5/20	0.0010 U	0.0041	0.2630	0.0010 U	--	0.0010 U	86.2	0.0032	0.0331	0.0012	19.7	0.0010 U

**Gude Landfill**  
**Monitoring Location OB03A - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	12.150	0.0001 U	0.0106	--	0.0018 U	0.0052 U	--	0.0020 U	0.2000 U	0.0006 U	--
9/4/01	--	15.840	0.0001 U	0.0281	--	0.0020 U	0.0044 U	--	0.0021	0.2000 U	0.0039	--
3/12/02	--	16.800	0.0001 U	0.0283	--	0.0009 U	0.0044 U	--	0.0043	0.2000 U	0.0007 U	--
9/16/02	--	18.790	0.0001 U	0.0190	--	0.0020	0.0096 U	--	0.0019	0.0020 U	0.0020 U	--
6/2/03	--	3.107	0.0002 U	0.0173	--	0.0040	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	5.824	0.0002 U	0.0198	--	0.0021	0.0022 U	--	0.0010 U	0.0003 U	0.0051	--
3/23/04	--	2.812	0.0002 U	0.0167	--	0.0020 U	0.0022 U	--	0.0004 U	0.0020 U	0.0033	--
9/20/04	--	17.890	0.0001 U	0.0163	--	0.0020 U	0.0018 U	--	0.0013	0.0003 U	0.0020 U	--
4/5/05	--	2.928	0.0001 U	0.0121	--	0.0029	0.0018 U	--	0.0010 U	0.0050 U	0.0021	--
9/21/05	--	17.880	0.0001 U	0.0178	--	0.0020 U	0.0018 U	--	0.0012	0.0050 U	0.0022	--
4/4/06	--	14.271	0.0001 U	0.0132	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/25/06	--	15.080	0.0002 U	0.0164	--	0.0008 U	0.0005 U	--	0.0020 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0219	--	0.0030	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0064
10/3/07	--	--	0.0002 U	0.0166	--	0.0020 U	0.0005 U	--	0.0020 U	0.0020 U	0.0113	0.0170
3/25/08	--	--	0.0002 U	0.0164	--	0.0020 U	0.0008 U	--	0.0010	0.0500 U	0.0021	0.0134
9/23/08	--	--	0.0002 U	0.0166	--	0.0018 U	0.0016 U	--	0.0012 U	0.0020 U	0.0040 U	0.0272
3/9/09	--	--	0.0002 U	0.0160	--	0.0100 U	0.0043 U	--	0.0050 U	0.0011 U	0.0008 U	0.0182
9/21/09	44.400	13.300	0.0002 U	0.0200	12.40	0.0024	0.0020 U	70.3	0.0020 U	--	0.0004 J	0.0110
7/30/10	--	--	0.0002 U	0.0200	--	0.0010 U	0.0010 U	--	0.0011	0.0050 U	0.0050 U	0.0230
9/14/10	41.600	16.400	0.0002 U	0.0194	9.18	0.0050 U	0.0050 U	58.5	0.0050 U	--	0.0050 U	0.0131
4/26/11	15.800	0.982	0.0002 U	0.0050 U	4.68	0.0050 U	0.0050 U	14.4	0.0050 U	--	0.0050 U	0.0147
9/19/11	48.700	14.200	0.0002 U	--	9.64	0.0050 U	0.0050 U	70.5	0.0050 U	--	0.0050 U	0.0089
3/8/12	52.700	13.700	0.0002 U	0.0177	13.10	0.0059	0.0050 U	91.0	0.0050 U	--	0.0050 U	0.0142

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB03A - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/17/12	39.300	15.400	0.0002 U	0.0216	9.64	0.0050 U	0.0050 U	52.2	0.0050 U	--	0.0050 U	0.0099
3/28/13	51.400	11.200	0.0002 U	0.0145	16.60	0.0050 U	0.0050 U	97.8	0.0050 U	--	0.0050 U	0.0064
9/23/13	43.000	16.000	0.0002 U	0.0189	8.17	0.0050 U	0.0050 U	55.7	0.0050 U	--	0.0050 U	0.0117
3/12/14	44.400	8.710	0.0002 U	0.0162	15.00	0.0050 U	0.0050 U	83.7	0.0050 U	--	0.0050 U	0.0074
9/8/14	37.600	15.000	0.0002 U	0.0150	10.00	0.0050 U	0.0050 U	60.1	0.0050 U	--	0.0050 U	0.0129
3/18/15	46.000	6.600	0.0002 U	0.0110 U	15.00	0.0350 U	0.0100 U	96.0	0.0019 J	--	0.0100 U	0.0053 J
8/31/15	44.000	14.000	0.0002 U	0.0100 U	11.00	0.0050 U	0.0010 U	61.0	0.0010 U	--	0.0050 U	0.0120
3/23/16	58.400	6.370	0.0002 U	0.0107	12.10	0.0050 U	0.0050 U	109.0	0.0050 U	--	0.0050 U	0.0064
8/29/16	43.600	12.300	0.0002 U	0.0110	10.70	0.0024	0.0020 U	63.1	0.0010 U	--	0.0020 U	0.0064
3/6/17	44.100	16.600	0.0002 U	0.0175	8.34	0.0050 U	0.0050 U	53.4	0.0050 U	--	0.0050 U	0.0114
9/12/17	44.700	16.900	0.0002 U	0.0129	7.07	0.0024	0.0020 U	49.3	0.0010 U	--	0.0020 U	0.0072
3/27/18	54.300	7.520	0.0002 U	0.0117	12.80	0.0050 U	0.0050 U	92.1	0.0050 U	--	0.0050 U	0.0273
9/11/18	55.600	4.440	0.0002 U	0.0096	15.90	0.0050 U	0.0050 U	95.3	0.0050 U	--	0.0050 U	0.0050 U
4/16/19	59.100	8.650	0.0001 U	0.0091	13.50	0.0010 U	0.0027	76.8 B	0.0010 U	--	0.0010 U	0.0040 U
8/2/19	51.200	14.100	0.0001 U	0.0118	10.30	0.0010 U	0.0010 U	73.3	0.0010 U	--	0.0010 U	0.0050 B
3/11/20	64.200	6.080	0.0001 U	0.0066	16.90	0.0010 U	0.0010 U	71.0	0.0010 U	--	0.0010 U	0.0040 U
8/5/20	55.600	13.800	0.0001 U	0.0101	12.40	0.0010 U	0.0010 U	64.1	0.0010 U	--	0.0015	0.0044

Gude Landfill

Printed 10/24/20

Monitoring Location OB03A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	37.69	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	2.11	7.53
9/4/01	0.18 U	0.15 U	0.23 U	4.20	53.49	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	2.93	10.02
3/12/02	0.18 U	0.15 U	0.23 U	4.38	74.57	1.22	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	4.55	16.50
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	93.16	1.11	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	4.87	15.18
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	1.67	0.15 U	0.22 U	1.00 U	0.21 U	1.00 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	4.44	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	0.2 U	1.00 U	1.27
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	2.25	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.00 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	38.51	1.00 U	0.35 U	1.48	0.40 U	1.00 U	0.33 U	0.28 U	2.0	2.77	12.68
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	2.73	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	42.13	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.30	12.09
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	18.85	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.82	7.02
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	23.61	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.59	12.72
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	15.56	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.33	4.05
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	44.14	1.00 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	5.52	14.78
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	50.90	0.61	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	2.0	5.07	14.83
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	41.01	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	1.7	4.40	13.07
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	46.99	0.66	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	4.10	13.54
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	25.30	0.53 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.3	1.00 U	9.10
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	38.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0	3.00	10.00
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	32.40	0.57 J	2.00 U	1.34 J	2.00 U	2.00 U	2.00 U	2.00 U	0.8 J	3.30	10.80

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location OB03A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,1,2-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	3.70	8.10
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	11.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	2.90
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	30.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	10.50
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	12.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.47	3.67
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	32.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.76	12.80
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	7.46	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.25
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	21.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.66	6.24
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	3.77	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	19.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.37	5.64
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	7.19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.00
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	17.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	2.10	4.64
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	26.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.9	3.42	7.79
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	22.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.7	3.04	6.66
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	6.99	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.15	1.96
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.46	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	4.70	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.30
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	12.00	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.80	3.20
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	11.70	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.60	2.80

**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	5.26	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	9.53	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	11.29	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	8.07	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	5.51	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	11.00	0.11 U	0.61	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	5.30	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	4.20	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	6.76	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	14.11	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	6.31	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	4.44	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	4.66	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	2.73	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	5.18	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	11.36	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	3.80	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	10.73	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	6.23	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	4.47	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	5.44	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	4.08	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	12.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.46 J	--	1 U	--	4.19	1.00 U	1.00 U
7/30/10	--	1.00 U	12.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	5.00	--	1.00 U
9/14/10	2.00 U	2.00 U	9.28	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	4.06	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location OB03A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	4.70	--	1.00 U
3/8/12	--	--	6.30	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.30	--	1.00 U
9/17/12	1.00 U	1.00 U	14.10	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	5.64	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.51	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	16.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.53	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	3.82	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	9.01	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.33	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	2.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	8.08	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.32	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	4.08	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	5.43	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.44	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	18.10	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.63	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	16.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.11	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	4.97	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.44	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/16/19	--	1.00 U	2.90	1.00 U	5.00 U	--	5.00 U	--	5 U	7.80	--	5 U	1 U	1.00 U	--	1.00 U
8/2/19	--	1.00 U	8.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.70	--	1.00 U
3/11/20	--	1.00 U	1.80	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/5/20	--	1.00 U	9.50	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.20	--	1.00 U

Gude Landfill

Monitoring Location OB03A - Volatile Organic Compounds

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.32	1.9	0.23 U	0.21 U	--	56.08	0.19 U	0.17 U	29.79	--
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	2.03	3.1	0.23 U	0.21 U	--	70.88	0.19 U	0.17 U	40.57	--
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.29	2.9	0.23 U	0.21 U	--	137.87	0.19 U	0.17 U	58.64	--
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	2.5	0.23 U	1.00 U	--	130.79	0.19 U	0.17 U	51.60	--
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	10.50	1.0 U	0.23 U	0.21 U	--	2.57	0.19 U	0.17 U	1.00 U	--
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	18.41	1.6	0.23 U	0.21 U	--	2.63	0.19 U	0.17 U	1.13	--
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	10.75	1.0	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.71	1.3	0.27 U	0.25 U	--	79.29	0.29 U	0.27 U	37.43	--
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	19.21	1.0	0.27 U	0.25 U	--	3.01	0.29 U	0.27 U	11.29	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	3.60	1.4	0.27 U	0.25 U	--	102.56	0.29 U	0.27 U	50.85	--
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	10.33	1.0 U	0.27 U	0.25 U	--	41.96	0.29 U	0.27 U	8.31	--
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	5.24	1.5	0.27 U	0.25 U	--	117.86	0.29 U	0.27 U	24.23	--
4/17/07	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	13.90	1.4	0.27 U	0.25 U	--	29.76	0.29 U	0.27 U	4.09	--
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	2.80	1.6	0.27 U	1.00 U	--	150.17	0.29 U	0.27 U	31.29	--
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	1.98	1.4	0.21 U	0.50 U	--	168.82	0.13 U	0.15 U	22.89	--
9/23/08	0.11 U	0.16 U	0.50 U	--	0.14 U	2.87	1.4	0.12 U	0.20 U	--	141.19	0.12 U	0.13 U	21.47	--
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	3.73	1.7	0.12 U	0.50 U	--	137.52	0.12 U	0.13 U	24.67	--
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	5.52	1.2	1.00 U	1.00 U	--	84.90	1.00 U	1.00 U	17.30	--
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	4.00	1.0 U	1.00 U	1.00 U	--	110.00	1.00 U	1.00 U	11.00	--
9/14/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.78	1.3 J	2.00 U	1.54 J	--	98.10	2.00 U	2.00 U	52.40	--



**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
4/26/11	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1.00 U	1.0 U	1.00 U	4.10	--	1.00 U	1.00 U	1.00 U	--	--
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.30	1.0 U	1.00 U	1.50	--	1.00 U	1.00 U	1.00 U	--	--
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.40	1.0 U	1.00 U	1.00 U	--	33.00	1.00 U	1.00 U	--	--
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	94.60	1.00 U	1.00 U	9.51	--
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.46	1.0 U	1.00 U	1.00 U	--	34.10	1.00 U	1.00 U	2.55	--
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.78	1.4	1.00 U	1.00 U	--	94.80	1.00 U	1.00 U	8.02	--
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.83	1.0 U	1.00 U	1.00 U	--	22.90	1.00 U	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.10	1.0 U	1.00 U	1.00 U	--	56.20	1.00 U	1.00 U	5.60	--
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.20	1.00 U	1.00 U	1.00 U	--
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.62	1.0 U	1.00 U	1.00 U	--	53.20	1.00 U	1.00 U	2.88	--
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.41	1.0 U	1.00 U	1.00 U	--	21.00	1.00 U	1.00 U	1.00 U	--
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	49.90	1.00 U	1.00 U	1.73	--
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.16	1.6	1.00 U	1.00 U	--	86.60	1.00 U	1.00 U	2.21	--
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.02	1.4	1.00 U	1.00 U	--	69.00	1.00 U	1.00 U	1.42	--
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	22.30	1.00 U	1.00 U	1.00 U	--
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	4.23	1.00 U	1.00 U	1.00 U	--
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.0 U	1.00 U	1.00 U	1 U	15.90	1.00 U	1.00 U	--	5 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.0 U	1.00 U	1.00 U	1 U	36.20	1.00 U	1.00 U	--	5 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.0 U	1.00 U	1.00 U	1 U	6.60	1.00 U	1.00 U	--	5 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.0 U	1.00 U	1.00 U	1 U	35.80	1.00 U	1.00 U	--	5 U

**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000				5				10000			100
4/27/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/4/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	7.30	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/12/02	0.26 U	--	1.00 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	1.00 U	0.17 U	0.24 U	0.21 U
9/16/02	0.26 U	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
6/2/03	0.26 U	--	0.30 U	1.40	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	1.00 U	1.00 U	1.00 U	0.21 U
10/8/03	0.26 U	--	1.05	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	1.00 U	0.27 U	0.17 U	1.00 U	0.21 U
3/23/04	0.26 U	--	1.00 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/20/04	0.23 U	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
4/5/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
4/4/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/25/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
4/17/07	0.23 U	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
10/3/07	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
3/25/08	0.26 U	--	0.54	0.53	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.50 U	0.22 U	0.50 U	0.20 U
9/23/08	0.12 U	--	0.50 U	0.23 U	--	--	5.00 U	0.20 U	0.50 U	0.12 U	0.12 U	0.50 U	0.12 U	0.50 U	0.11 U
3/9/09	0.12 U	--	0.50 U	0.23 U	--	--	5.00 U	0.20 U	0.17 U	0.12 U	0.12 U	0.50 U	0.12 U	0.50 U	0.11 U
9/21/09	1.00 U	--	0.29 U	2.00 U	1.00 U	--	1.39	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/30/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
9/14/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
4/26/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/19/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
3/8/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/17/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
8/2/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
3/11/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
8/5/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	80	100			5			2	10000
4/27/01	0.21 U	1.00 U	1.00 U	--	4.50	0.13 U	1.00 U	87.28	0.18 U	--	--	--
9/4/01	0.21 U	71.56	0.24 U	--	5.32	0.13 U	0.14 U	78.18	4.57	--	--	--
3/12/02	0.21 U	102.10	1.00 U	--	8.78	0.13 U	0.14 U	113.50	8.19	--	--	--
9/16/02	0.21 U	74.03	1.00 U	--	8.22	0.13 U	0.14 U	111.71	7.16	--	--	--
6/2/03	0.21 U	1.65	1.62	--	1.00 U	0.13 U	0.14 U	1.26	0.18 U	--	--	--
10/8/03	0.21 U	0.17 U	1.00 U	--	1.99	0.13 U	0.14 U	1.75	1.00 U	--	2.20	--
3/23/04	0.21 U	1.00 U	1.00 U	--	1.39	0.13 U	0.14 U	1.00 U	0.18 U	--	1.78	--
9/20/04	1.00 U	41.02	1.00 U	--	5.71	0.24 U	0.30 U	84.92	3.01	--	18.60	--
4/5/05	0.18 U	0.36 U	0.32 U	--	1.22	0.24 U	0.30 U	4.89	0.36 U	--	1.47	--
9/21/05	0.18 U	30.99	1.00 U	--	6.22	0.24 U	0.30 U	85.13	0.36 U	--	19.56	--
4/4/06	0.18 U	0.36 U	1.00 U	--	3.10	0.24 U	0.30 U	51.33	0.36 U	--	4.62	--
9/25/06	0.18 U	29.40	1.00 U	--	9.08	0.24 U	0.30 U	95.18	3.77	--	26.98	--
4/17/07	0.18 U	0.36 U	0.32 U	--	3.72	0.24 U	0.30 U	20.26	0.36 U	--	5.96	--
10/3/07	1.00 U	33.23	1.00 U	--	10.82	0.24 U	0.30 U	97.78	0.36 U	--	30.58	--
3/25/08	0.23 U	1.66	1.05	0	9.93	0.08 U	--	141.41	0.07 U	--	23.11	--
9/23/08	0.13 U	26.21	0.50 U	0	11.68	0.13 U	--	101.30	0.10 U	--	22.43	--
3/9/09	0.13 U	3.67	0.50 U	0	9.08	0.13 U	--	113.09	0.10 U	--	27.36	--
9/21/09	1.00 U	7.11	1.00 U	--	6.06	1.00 U	1.00 U	66.70	3.08	--	22.90	--
7/30/10	--	15.00	1.00 U	--	6.00	1.00 U	5.00 U	70.00	1.00 U	1 U	18.00	--
9/14/10	2.00 U	17.80	2.00 U	--	5.93	2.00 U	2.00 U	19.30	2.47	2 U	23.50	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB03A - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/26/11	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/19/11	--	1.00 U	1.00 U	--	9.00	1.00 U	5.00 U	56.00	6.50	1 U	31.00	1 U
3/8/12	--	1.00 U	1.00 U	--	2.30	1.00 U	5.00 U	18.00	1.00 U	1 U	1.00 U	1 U
9/17/12	1.00 U	1.00 U	1.00 U	--	6.13	1.00 U	5.00 U	64.80	1.00 U	5 U	15.80	--
3/28/13	1.00 U	1.00 U	1.00 U	--	2.69	1.00 U	5.00 U	18.00	1.00 U	5 U	7.33	--
9/23/13	1.00 U	1.00 U	1.00 U	--	5.83	1.00 U	5.00 U	64.00	1.00 U	5 U	12.50	--
3/12/14	1.00 U	1.00 U	1.00 U	--	1.46	1.00 U	5.00 U	4.70	1.00 U	5 U	4.26	--
9/8/14	1.00 U	1.18	1.00 U	--	4.06	1.00 U	5.00 U	27.20	1.00 U	5 U	11.70	--
3/18/15	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.87	1.00 U	5 U	2.07	--
8/31/15	1.00 U	1.00 U	1.00 U	--	3.83	1.00 U	5.00 U	20.70	1.00 U	5 U	8.16	--
3/23/16	1.00 U	1.00 U	1.00 U	--	1.46	1.00 U	5.00 U	3.36	1.00 U	5 U	3.62	--
8/29/16	1.00 U	1.00 U	1.00 U	--	3.01	1.00 U	5.00 U	7.06	1.33	5 U	7.12	--
3/6/17	1.00 U	1.00 U	1.00 U	--	5.89	1.00 U	5.00 U	5.01	1.93	5 U	11.20	--
9/12/17	1.00 U	1.00 U	1.00 U	--	4.97	1.00 U	5.00 U	3.58	1.00 U	5 U	8.50	--
3/27/18	1.00 U	1.00 U	1.00 U	--	1.50	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.15	--
9/11/18	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.09	--
4/16/19	--	1.00 U	1.00 U	--	1.10	1.00 U	1.00 U	1.00 U	1.00 U	1 U	3.10	--
8/2/19	--	1.00 U	1.00 U	--	2.90	1.00 U	1.00 U	2.60	1.00 U	1 U	6.90	--
3/11/20	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.10	--
8/5/20	--	1.00 U	1.00 U	--	2.80	1.00 U	1.00 U	1.50	1.00 U	1 U	6.40	--

**Gude Landfill**  
**Monitoring Location OB03 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.710	0.005 U	0.005 U	74.8	0.01 U	0.06	0.005 U	28.8	0.005 U	45.4	18.100	0.0002 U
9/19/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.681	0.005 U	0.005 U	72.7	0.01 U	0.06	0.005	22.8	0.005 U	41.9	20.200	0.0002 U
9/17/12	0.005 U	0.005 U	0.589	0.005 U	0.005 U	65.0	0.01 U	0.07	0.005 U	21.3	0.005 U	38.4	18.300	0.0002 U
3/28/13	0.005 U	0.005 U	0.570	0.005 U	0.005 U	67.0	0.01 U	0.05	0.010	22.2	0.005 U	36.5	19.000	0.0002 U
9/23/13	0.005 U	0.005 U	0.581	0.005 U	0.005 U	69.5	0.01 U	0.06	0.005 U	22.3	0.005 U	41.4	19.500	0.0002 U
3/12/14	0.005 U	0.005 U	0.540	0.005 U	0.005 U	68.0	0.01 U	0.05	0.005 U	19.6	0.005 U	39.2	17.200	0.0002 U
9/8/14	0.005 U	0.005 U	0.548	0.005 U	0.005 U	65.2	0.01 U	0.05	0.005 U	18.9	0.005 U	38.4	20.100	0.0002 U
3/18/15	0.002 U	0.003	0.510	0.002 U	0.004 U	71.0	0.01 U	0.06	0.010 U	21.0	0.002 U	40.0	20.000	0.0002 U
8/31/15	0.001 U	0.003	0.490	0.001 U	0.001 U	74.0	0.03	0.06	0.054	21.0	0.001 U	41.0	19.000	0.0002 U
3/23/16	0.002 U	0.003	0.490	0.002 U	0.002 U	70.4	0.00	0.05	0.002 U	22.1	0.002 U	40.2	18.300	0.0002 U
8/29/16	0.002 U	0.003	0.487	0.002 U	0.002 U	70.3	0.00 U	0.05	0.002 U	21.3	0.002 U	42.2	18.000	0.0002 U
3/6/17	0.002 U	0.004	0.480	0.002 U	0.002 U	76.1	0.01	0.06	0.006	22.9	0.002 U	46.1	20.100	0.0002 U
9/12/17	0.002 U	0.003	0.447	0.002 U	0.002 U	76.4	0.00	0.05	0.002 U	23.7	0.002 U	46.9	19.900	0.0002 U
3/27/18	0.002 U	0.004	0.476	0.002 U	0.002 U	80.9	0.02	0.05	0.002 U	23.0	0.002 U	46.0	20.900	0.0002 U
9/11/18	0.002 U	0.004	0.430	0.002 U	0.002 U	75.0	0.01	0.05	0.002 U	22.1	0.002 U	41.5	18.300	0.0002 U

Gude Landfill

Monitoring Location OB03 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.02	8.8	0.005 U	0.01 U	71.7	0.005 U	0.01 U	0.013
9/19/11	0.02	--	--	--	--	--	--	--
3/8/12	0.02	8.2	0.005	0.01 U	57.7	0.005 U	0.01 U	0.015
9/17/12	0.02	6.7	0.006	0.01 U	36.7	0.005 U	0.01 U	0.017
3/28/13	0.02	8.3	0.005 U	0.01 U	45.5	0.005 U	0.01 U	0.014
9/23/13	0.02	6.0	0.005 U	0.01 U	37.8	0.005 U	0.01 U	0.017
3/12/14	0.02	8.2	0.005 U	0.01 U	55.1	0.005 U	0.01 U	0.013
9/8/14	0.02	7.2	0.005 U	0.01 U	47.6	0.005 U	0.01 U	0.017
3/18/15	0.02	7.2	0.035 U	0.01 U	48.0	0.001 J	0.01 U	0.013
8/31/15	0.11	7.5	0.005 U	0.00 U	42.0	0.001	0.01 U	0.013
3/23/16	0.01	6.2	0.003	0.00 U	42.4	0.001	0.00 U	0.009
8/29/16	0.01	6.1	0.003	0.00 U	39.0	0.001 U	0.00 U	0.013
3/6/17	0.02	5.8	0.005	0.00 U	39.2	0.001 U	0.00 U	0.014
9/12/17	0.01	5.1	0.002	0.00 U	36.8	0.001 U	0.00 U	0.009
3/27/18	0.02	5.4	0.005	0.00 U	35.7	0.001 U	0.00	0.014
9/11/18	0.01	6.0	0.005	0.00 U	45.1	0.001 U	0.00	0.009

**Gude Landfill**  
**Monitoring Location OB03 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	66.5626	0.002	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	89.5385	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	74.9460	0.006	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	174.2270	0.002 U	--	--	--	--	--	--	--	--	0.050
10/8/03	--	--	--	--	0.008	--	--	--	--	--	--	--	--	0.085
3/23/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.029
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.062
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
9/21/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.060
4/4/06	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.046
9/25/06	--	--	--	--	0.003	--	--	--	--	--	--	--	--	0.065
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.050
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	265.0	2.39	13.6	134.0000	--	--	690.0	0.2000 U	--	--	--	--	--	--
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/14/10	242.0	2.90	10.1	155.0000	--	--	400.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/25/11	267.0	4.97	28.8	220.0000	--	--	3600.0	0.2000 U	0 U	0.05 U	--	--	--	--



**Gude Landfill**  
**Monitoring Location OB03 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
9/19/11	216.0	2.56	16.8	163.0000	--	--	410.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/8/12	187.0	3.48	24.3	222.0000	--	--	400.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/17/12	241.0	2.43	18.0	169.0000	--	--	360.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/28/13	221.0	2.70	17.8	192.0000	--	0	348.0	0.2000 U	0 U	0.05 U	256	5.93	--	--
9/23/13	233.0	2.29	13.2	157.0000	--	0	330.0	0.2000 U	0 U	0.05 U	239	5.84	--	--
3/12/14	212.0	3.45	15.6	201.0000	--	0	420.0	0.2000 U	--	--	211	5.73	--	--
9/8/14	227.0	3.15	19.7	194.0000	--	2	370.0	0.2000 U	0 U	0.05 U	229	6.01	--	--
3/18/15	213.0	2.77	18.3	202.0000	--	0	404.0	0.2000 U	0 U	0.05 U	254	5.81	--	--
8/31/15	243.0	2.39	21.2	183.0000	--	1	620.0	0.2000 U	0 U	0.05 U	181	5.78	--	--
3/23/16	210.0	2.04	19.3	201.0000	--	0	396.0	0.2000 U	0 U	0.05 U	195	6.09	--	--
8/29/16	248.0	1.95	17.3	189.0000	--	--	376.0	0.2000 U	0 U	0.05 U	187	5.60	--	--
3/6/17	250.0	0.70	29.1	525.0000	--	4	850.0	0.2000 U	0 U	0.05 U	193	5.81	--	--
9/12/17	293.0	1.21	13.9	182.0000	--	--	450.0	0.2000 U	0 U	0.05 U	231	5.86	--	--
3/27/18	280.0	1.43	25.5	195.0000	--	--	400.0	0.2000 U	0 U	0.05 U	32	5.85	--	--
9/11/18	231.0	1.68	75.0	218.0000	--	--	362.0	0.2000 U	0 U	0.05 U	-1	5.76	--	--
4/16/19	231.0	2.45	27.0	203.0000	--	0	329.0	0.2000 U	--	--	13	6.01	6.23	--
8/2/19	238.0	2.62	15.1	218.0000	--	0	332.0	0.2000 U	--	--	38	5.57	6.23	--
3/10/20	238.0	1.96	19.5	210.0000	--	0	383.0	0.2000 U	--	--	39	5.87	6.03	--
8/5/20	184.0	2.24	26.1	206.0000	--	1	350.0	1.2500	--	--	36	5.85	5.93	--

Gude Landfill

Monitoring Location OB03 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	4.2	--
9/4/01	--	--	--	--	--	--	--	--	50.5	--
3/12/02	--	--	--	--	--	--	--	--	136.0	--
6/2/03	--	--	--	--	--	--	0	--	248.0	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	8.8	--	--	564	--	--	11.0	--
7/30/10	--	--	--	3.4	--	--	--	--	--	--
9/14/10	--	--	16.7	--	--	676	--	--	22.9	--
4/25/11	--	--	41.4	--	--	784	--	--	2.8	--

## Gude Landfill

Printed 10/24/20

### Monitoring Location OB03 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/19/11	--	--	22.0	--	--	804	--	--	--	--
3/8/12	--	--	28.5	--	--	888	--	--	--	--
9/17/12	--	--	13.1	--	--	604	--	--	--	--
3/28/13	1	--	18.6	--	15.6	572	--	--	--	0.0
9/23/13	887	--	16.8	--	16.3	568	--	--	--	0.0
3/12/14	1025	--	36.2	--	15.9	602	--	--	--	1.2
9/8/14	981	--	23.4	--	16.6	540	--	--	--	0.0
3/18/15	824	--	32.2	--	14.2	584	--	--	--	0.0
8/31/15	952	--	12.6	--	18.0	516	--	--	--	9.8
3/23/16	970	--	21.5	--	14.8	574	--	--	--	0.0
8/29/16	978	--	14.3	--	16.8	562	--	--	--	0.0
3/6/17	986	--	17.5	--	15.5	1070	--	--	--	0.3
9/12/17	979	--	11.8	--	17.3	601	--	--	--	0.6
3/27/18	1010	--	14.0	--	12.0	643	--	--	--	4.0
9/11/18	1081	--	25.3	--	16.7	612	--	--	--	0.0
4/16/19	1326	1050	50.5	--	13.7	656	--	4.9	13.2	4.0
8/2/19	1	1120	32.2	--	16.4	636	--	3.4	7.4	0.0
3/10/20	1130	1150	27.2	--	17.0	621	--	5.1	18.3	3.5
8/5/20	1039	1210	25.4	--	17.0	652	--	3.7	44.9	1.4

**Gude Landfill**  
**Monitoring Location OB03 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.3766	0.0005 U	--	0.0006 U	--	0.0116	0.0444	0.0100 U	--	0.0013 U
9/4/01	0.0032	0.0054	0.8745	0.0017 U	--	0.0020 U	--	0.0020 U	0.0543	0.0108	--	0.0020 U
3/12/02	0.0020 U	0.0040	0.5552	0.0017 U	--	0.0020 U	--	0.0048	0.0545	0.0106	--	0.0021
6/2/03	0.0020 U	0.0087	1.2980	0.0004 U	--	0.0020 U	--	0.0020 U	0.0592	0.0120	--	0.0041
10/8/03	0.0009 U	0.0027	1.3910	0.0016 U	--	0.0020 U	--	0.0020	0.0318	0.0161	--	0.0029
3/23/04	0.0009 U	0.0085	1.3530	0.0016 U	--	0.0007 U	--	0.0024	0.0755	0.0100 U	--	0.0036
9/20/04	0.0028 U	0.0085	1.8960	0.0012 U	--	0.0020 U	--	0.0045	0.0614	0.0132	--	0.0020
4/5/05	0.0028 U	0.0232	1.6900	0.0012 U	--	0.0020 U	--	0.0044	0.0711	0.0145	--	0.0030
9/21/05	0.0028 U	0.0079	1.3490	0.0012 U	--	0.0020 U	--	0.0031	0.0655	0.0153	--	0.0027
4/4/06	0.0006 U	0.0066	1.1010	0.0007 U	--	0.0020 U	--	0.0020 U	0.0593	0.0093	--	0.0031
9/25/06	0.0007 U	0.0023	0.6512	0.0009 U	--	0.0020 U	--	0.0295	0.0555	0.0499	--	0.0200
4/17/07	0.0007 U	0.0023	0.7963	0.0009 U	0.080	--	--	0.0020 U	0.0674	0.0064	--	0.0007 U
10/3/07	0.0020 U	0.0046	0.9091	0.0009 U	0.053	--	--	0.0020 U	0.0581	0.0113	--	0.0020 U
3/25/08	0.0005 U	0.0040	0.7536	0.0010 U	0.036	--	--	0.0020 U	0.0556	0.0066	--	0.0020 U
9/23/08	0.0010 U	0.0040 U	0.5928	0.0020 U	0.054	--	--	0.0016 U	0.0530	0.0077	--	0.0040 U
3/9/09	0.0010 U	0.0100 U	0.5995	0.0012 U	0.065	--	--	0.0100 U	0.0569	0.0100 U	--	0.0100 U
9/21/09	0.0020 U	0.0024	0.5880	0.0020 U	--	0.0020 U	59.9	0.0020 U	0.0643	0.0063	28.8	0.0020 U
7/30/10	0.0010 U	0.0034	0.5500	0.0010 U	--	0.0010 U	--	0.0021	0.0610	0.0040	--	0.0011
9/14/10	0.0050 U	0.0050 U	0.5920	0.0050 U	--	0.0050 U	62.3	0.0050 U	0.0659	0.0124	25.0	0.0050 U
4/25/11	0.0050 U	0.0050 U	0.7360	0.0050 U	--	0.0050 U	69.0	0.0050 U	0.0629	0.0076	23.6 U	0.0050 U
9/19/11	0.0050 U	0.0050 U	0.5800	0.0050 U	--	0.0050 U	65.3	0.0050 U	0.0554	0.0050 U	22.2	0.0050 U
3/8/12	0.0050 U	0.0050 U	0.6970	0.0050 U	--	0.0050 U	74.4	0.0050 U	0.0634	0.0082	23.7	0.0050 U
9/17/12	0.0050 U	0.0050 U	0.5710	0.0050 U	--	0.0050 U	64.3	0.0050 U	0.0670	0.0050 U	21.7	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB03 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
3/28/13	0.0050 U	0.0050 U	0.5730	0.0050 U	--	0.0050 U	67.4	0.0050 U	0.0531	0.0113	21.8	0.0050 U
9/23/13	0.0050 U	0.0050 U	0.5980	0.0050 U	--	0.0050 U	64.4	0.0050 U	0.0566	0.0050 U	20.6	0.0050 U
3/12/14	0.0050 U	0.0050 U	0.5540	0.0050 U	--	0.0050 U	65.6	0.0050 U	0.0526	0.0050 U	19.0	0.0050 U
9/8/14	0.0050 U	0.0050 U	0.5360	0.0050 U	--	0.0050 U	60.2	0.0050 U	0.0522	0.0050 U	17.6	0.0050 U
3/18/15	0.0020 U	0.0031	0.5200	0.0020 U	--	0.0040 U	70.0	0.0100 U	0.0560	0.0019 J	21.0	0.0020 U
8/31/15	0.0010 U	0.0028	0.4900	0.0010 U	--	0.0005 U	74.0	0.0350	0.0610	0.0050 U	21.0	0.0010 U
3/23/16	0.0020 U	0.0026	0.5000	0.0020 U	--	0.0020 U	69.6	0.0025	0.0484	0.0020 U	20.9	0.0020 U
8/29/16	0.0020 U	0.0025	0.4670	0.0020 U	--	0.0020 U	69.0	0.0020 U	0.0544	0.0020 U	22.4	0.0020 U
3/6/17	0.0020 U	0.0065	0.3120	0.0020 U	--	0.0020 U	176.0	0.0059	0.0020 U	0.0363	0.9	0.0020 U
9/12/17	0.0020 U	0.0027	0.4630	0.0020 U	--	0.0020 U	76.5	0.0033	0.0544	0.0020 U	23.7	0.0020 U
3/27/18	0.0020 U	0.0037	0.4790	0.0020 U	--	0.0020 U	81.2	0.0094	0.0525	0.0020 U	23.1	0.0020 U
9/11/18	0.0020 U	0.0045	0.4340	0.0020 U	--	0.0020 U	76.0	0.0116	0.0467	0.0020 U	22.2	0.0020 U
4/16/19	0.0010 U	0.0025	0.3410	0.0010 U	--	0.0010 U	61.3	0.0026	0.0364	0.0054	17.2	0.0010 U
8/2/19	0.0010 U	0.0022	0.4030	0.0010 U	--	0.0010 U	61.4	0.0019	0.0406	0.0010 U	18.0	0.0010 U
3/10/20	0.0010 U	0.0022	0.4540	0.0010 U	--	0.0010 U	70.4	0.0014	0.0480	0.0016	21.8	0.0010 U
8/5/20	0.0010 U	0.0024	0.4480	0.0010 U	--	0.0010 U	65.2	0.0019	0.0493	0.0010 U	22.2	0.0010 U

**Gude Landfill**  
**Monitoring Location OB03 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	12.290	0.0001 U	0.0099	--	0.0018 U	0.0052 U	--	0.0020 U	0.2000 U	0.0020 U	--
9/4/01	--	16.250	0.0001 U	0.0133	--	0.0020 U	0.0044 U	--	0.0012	0.2000 U	0.0020 U	--
3/12/02	--	15.480	0.0001 U	0.0151	--	0.0020 U	0.0044 U	--	0.0011	0.2000 U	0.0020 U	--
6/2/03	--	15.970	0.0002 U	0.0166	--	0.0021	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	9.801	0.0002 U	0.0114	--	0.0020 U	0.0022 U	--	0.0010 U	0.0003 U	0.0039	--
3/23/04	--	18.170	0.0002 U	0.0183	--	0.0020 U	0.0022 U	--	0.0010 U	0.0020 U	0.0039	--
9/20/04	--	19.310	0.0001 U	0.0180	--	0.0048	0.0018 U	--	0.0012	0.0020 U	0.0059	--
4/5/05	--	20.578	0.0001 U	0.0194	--	0.0046	0.0018 U	--	0.0012	0.0050 U	0.0078	--
9/21/05	--	19.790	0.0003	0.0172	--	0.0035	0.0018 U	--	0.0012	0.0050 U	0.0032	--
4/4/06	--	20.774	0.0001 U	0.0171	--	0.0020 U	0.0004 U	--	0.0020 U	0.0050 U	0.0020 U	--
9/25/06	--	16.740	0.0002 U	0.0408	--	0.0008 U	0.0005 U	--	0.0020 U	0.0050 U	0.0219	--
4/17/07	--	--	0.0002 U	0.0190	--	0.0020 U	0.0005 U	--	0.0020 U	0.0500 U	0.0007 U	0.0126
10/3/07	--	--	0.0002 U	0.0175	--	0.0020 U	0.0005 U	--	0.0020 U	0.0020 U	0.0023	0.0253
3/25/08	--	--	0.0002 U	0.0168	--	0.0020 U	0.0008 U	--	0.0015	0.0500 U	0.0020 U	0.0208
9/23/08	--	--	0.0002 U	0.0142	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/9/09	--	--	0.0002 U	0.0162	--	0.0100 U	0.0043 U	--	0.0050 U	0.0011 U	0.0100 U	0.0336
9/21/09	33.200	18.500	0.0002 U	0.0183	10.20	0.0020 U	0.0020 U	35.9	0.0020 U	--	0.0005 J	0.0100 U
7/30/10	--	--	0.0002 U	0.0200	--	0.0010 U	0.0010 U	--	0.0016	0.0050 U	0.0050 U	0.0250
9/14/10	35.600	21.300	0.0002 U	0.0197	6.94	0.0050 U	0.0050 U	41.6	0.0050 U	--	0.0050 U	0.0165
4/25/11	47.100 J	18.500	0.0002 U	0.0176	10.10	0.0050 U	0.0050 U	74.2	0.0050 U	--	0.0050 U	0.0148
9/19/11	41.100	19.000	0.0002 U	--	7.00	0.0050 U	0.0050 U	44.2	0.0050 U	--	0.0050 U	0.0141
3/8/12	42.700	19.600	0.0003	0.0209	7.95	0.0055	0.0050 U	58.9	0.0050 U	--	0.0050 U	0.0175
9/17/12	37.000	18.800	0.0002 U	0.0229	6.77	0.0050 U	0.0050 U	35.7	0.0050 U	--	0.0050 U	0.0148

**Gude Landfill**  
**Monitoring Location OB03 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/28/13	35.200	19.500	0.0002 U	0.0170	9.31	0.0050 U	0.0050 U	43.8	0.0050 U	--	0.0050 U	0.0142
9/23/13	38.600	19.400	0.0005	0.0205	5.77	0.0050 U	0.0050 U	35.7	0.0050 U	--	0.0050 U	0.0154
3/12/14	37.400	17.300	0.0002 U	0.0176	8.52	0.0050 U	0.0050 U	53.8	0.0050 U	--	0.0050 U	0.0137
9/8/14	35.300	20.600	0.0002 U	0.0165	7.12	0.0050 U	0.0050 U	43.6	0.0050 U	--	0.0050 U	0.0166
3/18/15	40.000	19.000	0.0002 U	0.0110 U	7.00	0.0350 U	0.0100 U	47.0	0.0011 J	--	0.0100 U	0.0130
8/31/15	41.000	19.000	0.0002 U	0.0320	7.40	0.0050 U	0.0010 U	41.0	0.0013	--	0.0050 U	0.0150
3/23/16	40.700	26.800	0.0002 U	0.0126	5.72	0.0029	0.0020 U	42.9	0.0011	--	0.0020 U	0.0093
8/29/16	40.600	18.800	0.0002 U	0.0145	6.28	0.0027	0.0020 U	38.4	0.0011	--	0.0020 U	0.0105
3/6/17	91.500	3.130	0.0002 U	0.0177	6.97	0.0317	0.0020 U	69.4	0.0010 U	--	0.0045	0.0071
9/12/17	46.900	19.100	0.0002 U	0.0144	5.22	0.0025	0.0020 U	36.8	0.0010 U	--	0.0020 U	0.0095
3/27/18	46.400	20.900	0.0002 U	0.0166	5.33	0.0057	0.0020 U	36.2	0.0010 U	--	0.0028	0.0135
9/11/18	41.900	18.300	0.0002 U	0.0145	6.01	0.0049	0.0020 U	46.0	0.0010 U	--	0.0033	0.0093
4/16/19	42.800	16.800	0.0001 U	0.0124	7.07	0.0010 U	0.0010 U	62.0 B	0.0010 U	--	0.0010 U	0.0230
8/2/19	43.300	19.800	0.0001 U	0.0133	6.82	0.0010 U	0.0010 U	57.3	0.0010 U	--	0.0010 U	0.0079 B
3/10/20	50.300	21.300	0.0001 U	0.0147	8.73	0.0010 U	0.0010 U	56.3	0.0010 U	--	0.0010 U	0.0091
8/5/20	45.500	21.900	0.0001 U	0.0146	7.39	0.0010 U	0.0010 U	54.4	0.0010 U	--	0.0010 U	0.0081

Gude Landfill

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Monitoring Location OB03 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	38.54	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	2.25	7.80
9/4/01	0.18 U	0.15 U	0.23 U	3.77	49.88	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	2.73	9.57
3/12/02	0.18 U	0.15 U	0.23 U	4.07	58.99	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	3.49	12.62
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	27.30	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	6.32
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	25.91	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	0.2 U	1.64	6.70
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	27.74	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	2.45	7.91
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	33.30	1.00 U	0.35 U	9.83	0.40 U	1.14	0.33 U	0.28 U	10.0 U	2.33	10.73
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	29.03	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.89	10.53
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	42.38	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.03	11.53
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	36.78	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	2.58	9.40
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	21.95	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.87	13.74
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	34.70	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	2.95	9.67
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	44.70	1.00 U	0.35 U	2.90	0.40 U	1.00 U	1.07	0.28 U	10.0 U	5.32	15.23
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	47.23	0.63	0.26 U	0.23 U	0.14 U	0.63	0.24 U	0.16 U	1.8	4.98	14.47
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	36.07	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	1.3	4.09	12.33
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	48.38	0.72	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	--	4.81	16.14
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	45.00	0.86 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.8	1.00 U	15.80
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	50.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	2.0	4.00	13.00
9/14/10	2.00 U	2.00 U	2.00 U	2.00 U	36.40	0.71 J	2.00 U	6.42	2.00 U	0.52 J	1.52 J	2.00 U	1.9 J	3.84	10.10
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	4.10

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



Gude Landfill

Printed 10/24/20

Monitoring Location OB03 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	6.00	11.00
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.2	1.00 U	6.80
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	34.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	12.80
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	34.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.5	3.68	10.50
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	37.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.6	2.61	15.30
3/12/14	1.00 U	1.00 U	1.00 U	1.00 U	18.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.87	5.49
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	29.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.3	3.74	8.57
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	24.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.1	2.69	6.90
8/31/15	1.00 U	1.00 U	1.00 U	1.00 U	31.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.5	4.29	9.63
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	29.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.5	3.54	8.41
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	28.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.7	3.82	8.28
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	24.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.0	3.67	7.23
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	22.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.0	3.50	7.06
3/27/18	1.00 U	1.00 U	1.00 U	1.00 U	21.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.5	3.38	6.16
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	16.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.1	2.17	4.52
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	9.10	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.20	2.70
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	15.50	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	2.00	4.10
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	14.20	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.2	1.60	3.60
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	17.40	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.4	2.50	4.70

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	8.60	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	8.08	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	9.03	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	5.17	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	11.54	0.11 U	1.69	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	5.50	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	16.14	0.11 U	4.67	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	6.58	0.27 U	0.20 U
9/20/04	1.00 U	0.33 U	10.24	0.23 U	0.29 U	1.00 U	0.19 U	1.00 U	--	0.39 U	--	--	--	5.28	1.00 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	2.40	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	4.29	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.01	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	1.00 U	--	--	--	3.34	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.47	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	4.53	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	11.86	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	3.99	0.31 U	0.34 U
10/3/07	1.00 U	0.33 U	10.11	0.23 U	1.00 U	1.00 U	1.00 U	1.00 U	--	0.39 U	--	--	--	6.12	1.00 U	0.34 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	4.62	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	3.20	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	--	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	5.53	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	13.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.14 J	--	1 U	--	4.56	1.00 U	1.00 U
7/30/10	--	1.00 U	15.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	6.00	--	1.00 U
9/14/10	2.00 U	2.00 U	11.30	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	4.24	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	8.10	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	5.50	--	1.00 U
3/8/12	--	--	9.70	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.90	--	1.00 U
9/17/12	1.00 U	1.00 U	16.60	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	1.00 U	12.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.44	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	18.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	5.38	1.00 U	1.00 U
3/12/14	1.00 U	1.00 U	8.08	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.32	1.00 U	--
9/8/14	1.00 U	1.00 U	12.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.18	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	8.84	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.62	1.00 U	1.00 U
8/31/15	1.00 U	1.00 U	14.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.27	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	13.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.25	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	16.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.25	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	18.60	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.93	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	19.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.40	1.00 U	1.00 U
3/27/18	1.00 U	1.00 U	14.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.31	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	10.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.63	1.00 U	1.00 U
4/16/19	--	1.00 U	5.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.90	--	5 U	1 U	1.20	--	1.00 U
8/2/19	--	1.00 U	9.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.90	--	1.00 U
3/10/20	--	1.00 U	11.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.50	--	1.00 U
8/5/20	--	1.00 U	15.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.80	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	2.86	1.7	0.23 U	0.21 U	--	53.86	0.19 U	0.17 U	36.16	--
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	2.12	3.3	0.23 U	0.21 U	--	66.93	0.19 U	0.17 U	35.34	--
3/12/02	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.36	2.2	0.23 U	0.21 U	--	88.85	0.19 U	1.00 U	42.35	--
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	6.95	1.9	0.23 U	0.21 U	--	48.32	0.19 U	0.17 U	12.43	--
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	6.31	2.0	0.23 U	0.21 U	--	46.23	0.19 U	0.17 U	15.59	--
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	6.25	2.4	0.23 U	1.00 U	--	47.05	0.19 U	0.17 U	0.20 U	--
9/20/04	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	4.42	1.1	0.27 U	1.00 U	--	67.11	0.29 U	0.27 U	29.43	--
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.22	1.9	0.27 U	0.25 U	--	56.21	0.29 U	0.27 U	29.07	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	3.24	1.7	0.27 U	0.25 U	--	98.51	0.29 U	0.27 U	49.11	--
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.92	1.5	0.27 U	0.25 U	--	71.67	0.29 U	0.27 U	13.29	--
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	3.98	1.5	0.27 U	0.25 U	--	128.85	0.29 U	0.27 U	27.03	--
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	5.59	1.6	0.27 U	0.25 U	--	87.59	0.29 U	0.27 U	13.15	--
10/3/07	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	3.89	0.3 U	0.27 U	1.00 U	--	148.91	0.29 U	0.27 U	31.24	--
3/25/08	0.19 U	0.12 U	0.53	--	0.13 U	2.32	1.2	0.21 U	0.50 U	--	161.47	0.13 U	0.15 U	22.67	--
9/23/08	0.11 U	0.16 U	0.50 U	--	0.14 U	2.04	1.2	0.12 U	0.20 U	--	120.90	0.12 U	0.13 U	15.40	--
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	2.76	1.6	0.12 U	0.50 U	--	164.77	0.12 U	0.13 U	27.45	--
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	2.98	1.6	1.00 U	1.00 U	--	156.00	1.00 U	1.00 U	28.00	--
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	3.00	1.0	1.00 U	1.00 U	--	160.00	1.00 U	1.00 U	15.00	--
9/14/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.26	1.5 U	2.00 U	2.00 U	--	117.00	2.00 U	2.00 U	74.80	--
4/25/11	1.00 U	1.00 U	1.00 U	3.90	1.00 U	5.70	1.0 U	1.00 U	5.30	--	38.00	1.00 U	1.00 U	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
9/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.0 U	1.00 U	1.70	--	1.00 U	1.00 U	1.00 U	--	--
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.10	1.0 U	1.00 U	1.00 U	--	71.00	1.00 U	1.00 U	--	--
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	94.90	1.00 U	1.00 U	12.40	--
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.04	1.2	1.00 U	1.00 U	--	97.10	1.00 U	1.00 U	8.27	--
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.43	1.0 U	1.00 U	1.00 U	--	126.00	1.00 U	1.00 U	12.10	--
3/12/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.80	1.0 U	1.00 U	1.00 U	--	54.70	1.00 U	1.00 U	2.79	--
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.79	1.0 U	1.00 U	1.00 U	--	86.00	1.00 U	1.00 U	9.69	--
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.35	1.0 U	1.00 U	1.00 U	--	74.00	1.00 U	1.00 U	4.14	--
8/31/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.95	1.1	1.00 U	1.00 U	--	88.50	1.00 U	1.00 U	5.94	--
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.82	1.1	1.00 U	1.00 U	--	87.80	1.00 U	1.00 U	3.56	--
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.97	1.5	1.00 U	1.00 U	--	81.60	1.00 U	1.00 U	4.05	--
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.34	2.2	1.00 U	1.00 U	--	77.20	1.00 U	1.00 U	3.37	--
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.39	1.8	1.00 U	1.00 U	--	68.00	1.00 U	1.00 U	1.90	--
3/27/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.86	2.4	1.00 U	1.00 U	--	67.30	1.00 U	1.00 U	1.16	--
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.48	1.3	1.00 U	1.00 U	--	50.20	1.00 U	1.00 U	1.00 U	--
4/16/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.50	1.0 U	1.00 U	1.00 U	1 U	30.60	1.00 U	1.00 U	--	5 U
8/2/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.0 U	1.00 U	1.00 U	1 U	47.50	1.00 U	1.00 U	--	5 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.0 U	1.00 U	1.00 U	1 U	49.10	1.00 U	1.00 U	--	5 U
8/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.50	1.0 U	1.00 U	1.00 U	1 U	54.90	1.00 U	1.00 U	--	5 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000				5				10000			100
4/27/01	0.26 U	--	1.00 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U
9/4/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.22	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/12/02	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
6/2/03	0.26 U	--	1.00 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.21 U
10/8/03	1.00 U	--	1.00 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U
3/23/04	0.26 U	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/20/04	1.00 U	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	1.00 U	1.00 U	1.43	1.38	1.00 U
4/5/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
4/4/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/25/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
4/17/07	0.23 U	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
10/3/07	1.00 U	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	2.13	1.00 U	1.00 U	1.36	1.26	1.00 U
3/25/08	0.50 U	--	0.56	1.33	--	--	5.00 U	0.15 U	0.12 U	0.22 U	0.21 U	0.79	0.22 U	0.22 U	0.20 U
9/23/08	0.12 U	--	0.50 U	0.23 U	--	--	5.57	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U
3/9/09	0.12 U	--	0.50	0.23 U	--	--	5.00 U	0.20 U	0.17 U	0.12 U	0.12 U	0.50 U	0.12 U	0.50 U	0.11 U
9/21/09	1.00 U	--	0.35 J	2.00 U	1.00 U	--	2.05	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.24 J	1.00 U
7/30/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
9/14/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	1.71 J	2.00 U	2.00 U	1.16 J	2.00 U	2.00 U	1.47 J	0.70 J	2.00 U
4/25/11	1.00 U	--	--	--	1.00 U	--	2.60	1.00 U	1.00 U	--	--	--	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
9/19/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
3/8/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/17/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/12/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/16/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
8/2/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.30	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
3/10/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.50	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
8/5/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.70	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	80	100			5			2	10000
4/27/01	0.21 U	27.78	1.00 U	--	4.60	0.13 U	1.00 U	67.32	5.06	--	--	--
9/4/01	0.21 U	61.57	0.24 U	--	5.02	0.13 U	0.14 U	71.90	3.83	--	--	--
3/12/02	0.21 U	90.52	1.18	--	5.66	0.13 U	0.14 U	90.07	6.87	--	--	--
6/2/03	0.21 U	6.99	1.00 U	--	2.67	0.13 U	0.14 U	47.33	2.38	--	--	--
10/8/03	0.21 U	0.17 U	1.00 U	--	4.19	0.13 U	1.00 U	48.01	2.31	--	12.44	--
3/23/04	0.21 U	1.65	1.00 U	--	4.84	0.13 U	0.14 U	53.13	0.18 U	--	--	--
9/20/04	1.00 U	26.04	0.32 U	--	4.97	0.24 U	0.30 U	80.53	0.36 U	--	16.08	--
4/5/05	0.18 U	3.06	0.32 U	--	4.09	0.24 U	1.00 U	110.03	3.30	--	17.86	--
9/21/05	0.18 U	23.14	1.00 U	--	6.27	0.24 U	0.30 U	92.22	0.36 U	--	19.76	--
4/4/06	0.18 U	1.85	1.00 U	--	5.19	0.24 U	0.30 U	71.55	3.18	--	11.67	--
9/25/06	0.18 U	22.97	1.00 U	--	11.59	0.24 U	0.30 U	112.28	4.34	--	30.39	--
4/17/07	0.18 U	1.00 U	1.00 U	--	7.00	0.24 U	0.30 U	76.03	0.36 U	--	19.65	--
10/3/07	1.00 U	27.73	1.00 U	--	12.95	0.24 U	0.30 U	108.24	0.36 U	--	31.39	--
3/25/08	0.23 U	0.20 U	2.46	0	8.87	0.08 U	--	132.60	0.07 U	--	23.16	--
9/23/08	0.13 U	0.16 U	0.50 U	0	12.43	0.13 U	--	107.44	0.10 U	--	17.61	--
3/9/09	0.13 U	4.49	0.67	0	11.02	0.13 U	--	130.79	0.10 U	--	29.48	--
9/21/09	1.00 U	0.61 J	1.49	--	9.59	1.00 U	1.00 U	131.00	4.88	--	30.50	--
7/30/10	--	28.00	1.00 U	--	9.00	1.00 U	5.00 U	92.00	1.00 U	1 U	23.00	--
9/14/10	2.00 U	11.00	2.00 U	--	7.01	2.00 U	2.00 U	81.60	2.00 U	2 U	28.00	--
4/25/11	--	1.00 U	1.00 U	--	6.30	1.00 U	5.00 U	21.00	1.00 U	1 U	11.00	1 U

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**Gude Landfill**  
**Monitoring Location OB03 - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/19/11	--	6.20	1.00 U	--	14.00	1.00 U	5.00 U	82.00	8.30	1 U	41.00	1 U
3/8/12	--	1.00 U	1.00 U	--	4.80	1.00 U	5.00 U	47.00	1.00 U	1 U	14.00	1 U
9/17/12	1.00 U	1.00 U	1.00 U	--	7.24	1.00 U	5.00 U	75.60	1.00 U	5 U	17.50	--
3/28/13	1.00 U	2.39	1.00 U	--	6.92	1.00 U	5.00 U	57.90	1.00 U	5 U	17.40	--
9/23/13	1.00 U	1.00 U	1.00 U	--	3.98	1.00 U	5.00 U	87.40	1.00 U	5 U	16.80	--
3/12/14	1.00 U	1.00 U	1.00 U	--	3.72	1.00 U	5.00 U	24.20	1.00 U	5 U	8.89	--
9/8/14	1.00 U	3.19	1.00 U	--	6.61	1.00 U	5.00 U	45.40	1.00 U	5 U	18.20	--
3/18/15	1.00 U	1.00 U	1.00 U	--	4.59	1.00 U	5.00 U	21.90	1.00 U	5 U	11.10	--
8/31/15	1.00 U	1.00 U	1.00 U	--	6.41	1.00 U	5.00 U	35.20	1.45	5 U	12.80	--
3/23/16	1.00 U	1.00 U	1.00 U	--	6.00	1.00 U	5.00 U	14.60	1.77	5 U	13.20	--
8/29/16	1.00 U	1.00 U	1.00 U	--	6.09	1.00 U	5.00 U	21.00	2.09	5 U	12.20	--
3/6/17	1.00 U	1.00 U	1.00 U	--	5.82	1.00 U	5.00 U	10.60	1.00 U	5 U	11.10	--
9/12/17	1.00 U	1.00 U	1.00 U	--	5.24	1.00 U	5.00 U	7.00	1.00 U	5 U	8.77	--
3/27/18	1.00 U	1.00 U	1.00 U	--	4.79	1.00 U	5.00 U	2.32	1.00 U	5 U	8.71	--
9/11/18	1.00 U	1.00 U	1.00 U	--	3.81	1.00 U	5.00 U	1.82	1.11	5 U	9.32	--
4/16/19	--	1.00 U	1.00 U	--	2.20	1.00 U	1.00 U	1.90	1.00 U	1 U	5.80	--
8/2/19	--	1.00 U	1.00 U	--	3.50	1.00 U	1.00 U	4.00	1.00 U	1 U	8.70	--
3/10/20	--	1.00 U	1.00 U	--	3.80	1.00 U	1.00 U	3.10	1.00 U	1 U	8.20	--
8/5/20	--	1.00 U	1.00 U	--	4.00	1.00 U	1.00 U	2.90	1.00 U	1 U	9.80	--

**Gude Landfill**  
**Monitoring Location OB04A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005	0.054	0.005 U	0.005 U	118.0	0.01 U	0.01 U	0.022	1.0	0.005 U	83.9	1.100	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.012	0.061	0.005 U	0.005 U	125.0	0.01 U	0.01 U	0.025	0.6	0.005 U	89.6	1.210	0.0002 U
9/17/12	0.005 U	0.011	0.059	0.005 U	0.005 U	119.0	0.01 U	0.01 U	0.029	0.5	0.005 U	81.8	1.160	0.0002 U
4/2/13	0.005 U	0.012	0.060	0.005 U	0.005 U	115.0	0.01 U	0.01 U	0.036	0.5	0.005 U	82.5	1.240	0.0002 U
9/16/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/18/13	0.005 U	0.005 U	0.060	0.005 U	0.005 U	122.0	0.01 U	0.01 U	0.024	0.5	0.005 U	84.4	1.330	0.0002 U
9/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/14	0.005 U	0.010	0.063	0.005 U	0.005 U	117.0	0.01 U	0.01 U	0.025	0.2 U	0.005 U	79.8	1.330	0.0002 U
9/8/14	0.005 U	0.005	0.068	0.005 U	0.005 U	116.0	0.01 U	0.01 U	0.027	0.7	0.005 U	81.5	1.570	0.0002 U
3/18/15	0.002 U	0.008	0.059	0.002 U	0.004 U	130.0	0.11	0.01 U	0.030	0.3	0.002 U	89.0	1.600	0.0002 U
9/1/15	0.001 U	0.008	0.060	0.001 U	0.001 U	130.0	0.01 U	0.01 U	0.026	0.0 U	0.001 U	87.0	1.700	0.0002 U
3/16/16	0.002 U	0.005	0.065	0.002 U	0.002 U	128.0	0.00 U	0.00 U	0.026	1.1	0.002 U	90.6	1.850	0.0002 U
8/30/16	0.002 U	0.006	0.069	0.002 U	0.002 U	130.0	0.00 U	0.00 U	0.026	0.7	0.002 U	93.0	1.810	0.0002 U
3/6/17	0.002 U	0.007	0.064	0.002 U	0.002 U	134.0	0.01	0.00 U	0.030	0.8	0.002 U	93.1	1.710	0.0002 U
9/12/17	0.002 U	0.004	0.066	0.002 U	0.002 U	135.0	0.00	0.00 U	0.023	0.7	0.002 U	92.8	1.720	0.0002 U
3/28/18	0.002 U	0.010	0.064	0.002 U	0.002 U	134.0	0.01	0.00 U	0.022	0.2 U	0.002 U	92.1	1.850	0.0002 U
9/6/18	0.002 U	0.007	0.068	0.002 U	0.002 U	140.0	0.01	0.00 U	0.028	0.1 U	0.002 U	94.3	1.950	0.0002 U

Gude Landfill

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Monitoring Location OB04A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.02	5.0	0.022	0.01 U	90.8	0.005 U	0.01 U	0.019
9/15/11	0.02	--	--	--	--	--	--	--
3/13/12	0.02	5.1	0.041	0.01 U	97.0	0.005 U	0.01 U	0.021
9/17/12	0.02	5.6	0.044	0.01 U	90.2	0.005 U	0.01 U	0.023
4/2/13	0.03	5.6	0.049	0.01 U	91.4	0.005 U	0.01 U	0.022
9/16/13	0.02	--	--	--	--	--	--	--
9/18/13	0.02	5.2	0.022	0.01 U	89.6	0.005 U	0.01 U	0.020
9/19/13	0.02	--	--	--	--	--	--	--
3/13/14	0.02	4.7	0.035	0.01 U	85.2	0.005 U	0.01 U	0.023
9/8/14	0.02	5.4	0.023	0.01 U	85.6	0.005 U	0.01 U	0.024
3/18/15	0.12	5.3	0.026 J	0.01 U	95.0	0.002 U	0.01 U	0.024
9/1/15	0.02	5.8	0.031	0.00 U	87.0	0.001 U	0.01 U	0.023
3/16/16	0.02	6.8	0.022	0.00 U	89.0	0.001 U	0.00 U	0.021
8/30/16	0.02	5.3	0.022	0.00 U	91.8	0.001 U	0.00 U	0.022
3/6/17	0.03	4.9	0.034	0.00 U	94.6	0.001 U	0.00	0.023
9/12/17	0.02	4.9	0.019	0.00 U	93.8	0.001 U	0.00 U	0.020
3/28/18	0.02	4.5	0.030	0.00 U	94.1	0.001 U	0.00	0.020
9/6/18	0.03	4.9	0.024	0.00 U	92.6	0.001 U	0.00	0.025

**Gude Landfill**  
**Monitoring Location OB04A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	318.9060	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	334.6690	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	206.9520	0.001	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	372.9800	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	390.8830	0.002 U	--	--	--	--	--	--	--	--	0.064
10/8/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.075
3/23/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.049
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.061
4/5/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.044
9/21/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.049
9/25/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.053
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.059
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	125.0	0.30	31.3	438.0000	--	--	570.0	0.2000 U	--	--	--	--	--	--
7/29/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	135.0	0.28	29.5	468.0000	--	--	600.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB04A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/25/11	133.0	0.38	39.3	473.0000	--	--	592.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/15/11	127.0	0.32	27.5	460.0000	--	--	602.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/13/12	129.0	0.22	33.0	531.0000	--	--	622.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/17/12	123.0	0.30	33.3	501.0000	--	--	598.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/2/13	129.0	0.29	28.8	498.0000	--	0	604.0	0.2000 U	0 U	0.05 U	385	5.85	--	--
9/16/13	--	--	--	--	--	0	590.0	--	--	--	180	5.62	--	--
9/18/13	127.0	0.23	65.6	501.0000	--	0	616.0	0.2000 U	0 U	0.05 U	406	5.69	--	--
9/19/13	--	--	--	--	--	1	640.0	--	--	--	223	5.65	--	--
3/13/14	133.0	0.31	27.6	512.0000	--	0	640.0	0.2000 U	--	--	419	5.77	--	--
9/8/14	144.0	0.48	34.6	530.0000	--	2	684.0	0.2000 U	0 U	0.05 U	353	5.92	--	--
3/18/15	1250.0	0.37	35.6	544.0000	--	0	694.0	0.2000 U	0 U	0.05 U	339	6.41	--	--
9/1/15	131.0	0.37	39.7	541.0000	--	1	680.0	0.2000 U	0 U	0.05 U	288	5.63	--	--
3/16/16	132.0	0.33	35.5	580.0000	--	0	690.0	0.2000 U	0 U	0.05 U	404	5.76	--	--
8/30/16	145.0	0.38	47.5	543.0000	--	--	700.0	0.2000 U	0 U	0.05 U	385	5.46	--	--
3/6/17	143.0	0.31	34.0	539.0000	--	--	720.0	0.2000 U	0 U	0.05 U	425	5.68	--	--
9/12/17	144.0	0.20 U	29.8	551.0000	--	--	700.0	0.2000 U	0 U	0.05 U	434	5.65	--	--
3/28/18	139.0	0.22	50.7	584.0000	--	--	770.0	0.2000 U	0 U	0.05 U	243	5.66	--	--
9/6/18	140.0	0.33	39.7	607.0000	--	--	741.0	0.2000 U	0 U	0.05 U	224	5.67	--	--
4/9/19	254.0	0.94	50.0	546.0000	--	0	720.0 B	1.4000	--	--	142	5.80	6.12	--
8/1/19	210.0	0.99	52.2	593.0000	--	0	896.0	1.6000	--	--	179	5.41	6.01	--
3/9/20	157.0	0.63	41.9	566.0000	--	1	835.0	1.2100	--	--	261	5.60	5.77	--
7/27/20	155.0	0.61	49.5	560.0000	--	0	771.0	0.9300	--	--	160	5.59	5.77	--

**Gude Landfill**  
**Monitoring Location OB04A - General Parameters**

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	1.1	--
9/4/01	--	--	--	--	--	--	--	--	0.8	--
3/12/02	--	--	--	--	--	--	--	--	1.5	--
9/16/02	--	--	--	--	--	--	--	--	1.0	--
6/2/03	--	--	--	--	--	--	0	--	1.4	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	12.1	--	--	1200	--	--	10.3	--
7/29/10	--	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	--	12.8	--	--	1672	--	--	16.3	--

**Gude Landfill  
Monitoring Location OB04A - General Parameters**

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/25/11	--	--	11.5 J	--	--	1356	--	--	5.8	--
9/15/11	--	--	11.0	--	--	1636	--	--	--	--
3/13/12	--	--	11.1	--	--	1508	--	--	--	--
9/17/12	--	--	11.5	--	--	1476	--	--	--	--
4/2/13	2	--	9.0	--	15.5	1596	--	--	--	12.3
9/16/13	1	--	--	--	16.2	--	--	--	4.3	1.3
9/18/13	1697	--	11.7	--	17.2	1262	--	--	--	18.2
9/19/13	2	--	--	--	13.7	--	--	--	0.4	10.3
3/13/14	1720	--	12.0	--	15.5	1242	--	--	--	14.1
9/8/14	1818	--	14.0	--	17.0	1138	--	--	--	7.2
3/18/15	1577	--	11.0	--	14.8	1088	--	--	--	0.0
9/1/15	1837	--	9.3	--	18.2	1169	--	--	--	0.8
3/16/16	1836	--	12.2	--	13.8	1070	--	--	--	0.0
8/30/16	1862	--	11.3	--	21.5	1200	--	--	--	0.0
3/6/17	1771	--	12.0	--	15.6	1030	--	--	--	2.5
9/12/17	1837	--	10.5	--	19.6	1210	--	--	--	1.5
3/28/18	1832	--	12.6	--	15.0	1350	--	--	--	0.0
9/6/18	1987	--	11.1	--	24.2	1100	--	--	--	3.7
4/9/19	2541	2120	18.8	--	15.8	1450	--	6.3	0.8	2.0
8/1/19	2	2090	15.5	--	17.2	1790	--	2.3 J	0.5 U	2.3
3/9/20	1992	2110	12.2	--	15.8	1390	--	6.7	1.3	0.4
7/27/20	2009	2170	11.3	--	18.9	1210	--	10.0	0.5 U	2.1

**Gude Landfill**  
**Monitoring Location OB04A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.0898	0.0005 U	--	0.0020 U	--	0.0062	0.0007 U	0.0218	--	0.0013 U
9/4/01	0.0020 U	0.0020 U	0.0385	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0263	--	0.0020 U
3/12/02	0.0005 U	0.0054	0.0385	0.0017 U	--	0.0020 U	--	0.0023	0.0020 U	0.0246	--	0.0020 U
9/16/02	0.0007 U	0.0192	0.0397	0.0004 U	--	0.0020 U	--	0.0032	0.0020 U	0.0124	--	0.0020 U
6/2/03	0.0007 U	0.0039	0.0444	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0312	--	0.0020 U
10/8/03	0.0009 U	0.0020 U	0.0368	0.0016 U	--	0.0007 U	--	0.0005 U	0.0020 U	0.0185	--	0.0020 U
3/23/04	0.0009 U	0.0020 U	0.0406	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.0262	--	0.0020 U
9/20/04	0.0028 U	0.0020 U	0.0443	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0348	--	0.0020 U
4/5/05	0.0028 U	0.0020 U	0.0447	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0339	--	0.0020 U
9/21/05	0.0028 U	0.0020 U	0.1167	0.0012 U	--	0.0020	--	0.0007 U	0.0005 U	0.0218	--	0.0020
4/4/06	0.0006 U	0.0020 U	0.0408	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0260	--	0.0020 U
9/25/06	0.0007 U	0.0020 U	0.0441	0.0009 U	--	0.0006 U	--	0.0022	0.0020 U	0.0248	--	0.0007 U
4/17/07	0.0007 U	0.0020 U	0.0432	0.0009 U	0.200 U	--	--	0.0007 U	0.0020 U	0.0227	--	0.0007 U
10/3/07	0.0020 U	0.0020 U	0.0445	0.0009 U	0.155	--	--	0.0026	0.0020 U	0.0261	--	0.0020 U
3/25/08	0.0005 U	0.0020	0.0453	0.0010 U	0.138	--	--	0.0020 U	0.0012 U	0.0300	--	0.0010 U
9/23/08	0.0010 U	0.0040 U	0.0490	0.0020 U	0.400 U	--	--	0.0040 U	0.0024 U	0.0270	--	0.0040 U
3/9/09	0.0010 U	0.0100 U	0.0512	0.0012 U	0.166	--	--	0.0100 U	0.0100 U	0.0288	--	0.0100 U
9/21/09	0.0020 U	0.0036	0.0542	0.0020 U	--	0.0020 U	109.0	0.0021	0.0012 J	0.0328	1.0	0.0020 U
7/29/10	0.0010 U	0.0012	0.0510	0.0010 U	--	0.0010 U	--	0.0012	0.0011	0.0260	--	0.0010 U
9/15/10	0.0050 U	0.0061	0.0539	0.0050 U	--	0.0050 U	113.0	0.0050 U	0.0050 U	0.0324	1.2	0.0050 U
4/25/11	0.0050 U	0.0053	0.0579	0.0050 U	--	0.0050 U	117.0 J	0.0050 U	0.0050 U	0.0283	0.6	0.0050 U
9/15/11	0.0050 U	0.0050 U	0.0555	0.0050 U	--	0.0050 U	118.0	0.0050 U	0.0050 U	0.0236	0.7	0.0050 U
3/13/12	0.0050 U	0.0105	0.0614	0.0050 U	--	0.0050 U	124.0	0.0050 U	0.0050 U	0.0295	1.1	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB04A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/17/12	0.0050 U	0.0107	0.0553	0.0050 U	--	0.0050 U	118.0	0.0050 U	0.0050 U	0.0256	0.6	0.0050 U
4/2/13	0.0050 U	0.0105	0.0622	0.0050 U	--	0.0050 U	126.0	0.0050 U	0.0050 U	0.0364	0.8	0.0050 U
9/16/13	0.0050 U	0.0010 U	0.0580	0.0010 U	--	0.0010 U	110.0	0.0005 J	0.0010 J	0.0260	10.0 U	0.0010 U
9/18/13	0.0050 U	0.0056	0.0612	0.0050 U	--	0.0050 U	123.0	0.0050 U	0.0050 U	0.0284	0.9	0.0050 U
9/19/13	0.0050 U	0.0010 U	0.0510	0.0010 U	--	0.0010 U	120.0	0.0010 U	0.0012	0.0200	0.1 U	0.0010 U
3/13/14	0.0050 U	0.0106	0.0681	0.0050 U	--	0.0050 U	142.0	0.0050 U	0.0050 U	0.0281	1.1	0.0050 U
9/8/14	0.0050 U	0.0051	0.0681	0.0050 U	--	0.0050 U	121.0	0.0050 U	0.0050 U	0.0291	1.0	0.0050 U
3/18/15	0.0020 U	0.0082	0.0590	0.0020 U	--	0.0040 U	130.0	0.1500	0.0100 U	0.0300	0.5	0.0020 U
9/1/15	0.0010 U	0.0067	0.0610	0.0010 U	--	0.0005 U	130.0	0.0050 U	0.0050 U	0.0280	0.0 U	0.0010 U
3/16/16	0.0020 U	0.0046	0.0686	0.0020 U	--	0.0020 U	129.0	0.0020 U	0.0020 U	0.0280	0.9	0.0020 U
8/30/16	0.0020 U	0.0048	0.0654	0.0020 U	--	0.0020 U	122.0	0.0020 U	0.0020 U	0.0254	0.8	0.0020 U
3/6/17	0.0020 U	0.0064	0.0650	0.0020 U	--	0.0020 U	135.0	0.0057	0.0020 U	0.0300	0.8	0.0020 U
9/12/17	0.0050 U	0.0050 U	0.0722	0.0050 U	--	0.0050 U	139.0	0.0050 U	0.0050 U	0.0357	1.6	0.0050 U
3/28/18	0.0020 U	0.0098	0.0633	0.0020 U	--	0.0020 U	129.0	0.0087	0.0020 U	0.0238	0.2 U	0.0020 U
9/6/18	0.0020 U	0.0073	0.0678	0.0020 U	--	0.0020 U	141.0	0.0039	0.0020 U	0.0287	0.1 U	0.0020 U
4/9/19	0.0010 U	0.0010 U	0.0666	0.0010 U	--	0.0010 U	128.0	0.0023	0.0011	0.0305	0.1	0.0010 U
8/1/19	0.0010 U	0.0010 U	0.0687	0.0010 U	--	0.0010 U	149.0	0.0028	0.0010	0.0330	0.1 U	0.0010 U
3/9/20	0.0010 U	0.0010 U	0.0770	0.0010 U	--	0.0010 U	135.0	0.0017	0.0012	0.0327	0.1 J	0.0010 U
7/27/20	0.0010 U	0.0010 U	0.0749	0.0010 U	--	0.0010 U	127.0	0.0013	0.0011	0.0405	0.0 J	0.0010 U

**Gude Landfill**  
**Monitoring Location OB04A - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.300	0.0001 U	0.0095	--	0.0050 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	0.431	0.0002	0.0133	--	0.0060	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/12/02	--	0.443	0.0002 U	0.0137	--	0.0187	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.470	0.0002 U	0.0162	--	0.0531	0.0096 U	--	0.0010 U	0.0020 U	0.0003 U	--
6/2/03	--	0.544	0.0002	0.0152	--	0.0146	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.497	0.0002 U	0.0119	--	0.0038	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
3/23/04	--	0.645	0.0002 U	0.0138	--	0.0035	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
9/20/04	--	0.692	0.0002 U	0.0141	--	0.0070	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/5/05	--	0.697	0.0002 U	0.0149	--	0.0027	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.317	0.0001 U	0.0103	--	0.0032	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/4/06	--	0.666	0.0002 U	0.0142	--	0.0053	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	0.659	0.0002 U	0.0148	--	0.0032	0.0020 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0152	--	0.0074	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0166
10/3/07	--	--	0.0002	0.0157	--	0.0085	0.0020 U	--	0.0007 U	0.0020 U	0.0020 U	0.0170
3/25/08	--	--	0.0004	0.0164	--	0.0077	0.0026	--	0.0006 U	0.0500 U	0.0006 U	0.0201
9/23/08	--	--	0.0002	0.0172	--	0.0064	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0273
3/9/09	--	--	0.0002	0.0159	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0100 U	0.0321
9/21/09	71.900	0.969	0.0003	0.0210	4.93	0.0174	0.0020 U	89.1	0.0020 U	--	0.0007 U	0.0240
7/29/10	--	--	0.0002	0.0180	--	0.0010 U	0.0009 U	--	0.0010 U	0.0050 U	0.0050 U	0.0280
9/15/10	80.300	1.130	0.0002 U	0.0207	4.92	0.0243	0.0050 U	91.9	0.0050 U	--	0.0050 U	0.0214
4/25/11	94.800	1.120	0.0002 U	0.0193	5.92	0.0223	0.0050 U	100.0 U	0.0050 U	--	0.0050 U	0.0210
9/15/11	85.500	1.100	0.0002 U	--	4.99	0.0161	0.0050 U	91.1	0.0050 U	--	0.0050 U	0.0204
3/13/12	88.800	1.010	0.0002 U	0.0217	5.73	0.0373	0.0050 U	95.0	0.0050 U	--	0.0050 U	0.0227

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB04A - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/17/12	81.000	1.120	0.0002 U	0.0252	5.42	0.0391	0.0050 U	89.0	0.0050 U	--	0.0050 U	0.0222
4/2/13	89.600	1.230	0.0002 U	0.0256	5.96	0.0434	0.0050 U	100.0	0.0050 U	--	0.0050 U	0.0228
9/16/13	77.000	1.400	0.0001 J	--	4.70	0.0010 U	0.0006 J	81.0	0.0010 U	--	0.0050 U	2.0000 U
9/18/13	85.500	1.480	0.0002 U	0.0186	5.15	0.0239	0.0050 U	90.4	0.0050 U	--	0.0050 U	0.0227
9/19/13	82.000	1.200	0.0001 J	--	4.40	0.0010 U	0.0010 U	87.0	0.0010 U	--	0.0050 U	0.0210
3/13/14	98.800	1.320	0.0002 U	0.0238	5.38	0.0358	0.0050 U	106.0	0.0050 U	--	0.0050 U	0.0239
9/8/14	85.200	1.580	0.0002 U	0.0219	5.51	0.0233	0.0050 U	89.6	0.0050 U	--	0.0050 U	0.0260
3/18/15	89.000	1.600	0.0002 U	0.0110 U	5.30	0.0280 J	0.0100 U	94.0	0.0020 U	--	0.0100 U	0.0240
9/1/15	89.000	1.700	0.0002 U	0.0170	5.90	0.0260	0.0010 U	89.0	0.0010 U	--	0.0050 U	0.0230
3/16/16	91.100	1.840	0.0002 U	0.0225	5.74	0.0226	0.0020 U	90.3	0.0010 U	--	0.0020 U	0.0220
8/30/16	85.100	1.760	0.0002 U	0.0209	4.97	0.0197	0.0020 U	84.3	0.0010 U	--	0.0020 U	0.0186
3/6/17	94.500	1.740	0.0002 U	0.0253	4.96	0.0339	0.0020 U	96.3	0.0010 U	--	0.0043	0.0218
9/12/17	96.600	1.800	0.0002 U	0.0225	5.23	0.0157	0.0050 U	97.0	0.0050 U	--	0.0050 U	0.0446
3/28/18	89.600	1.860	0.0002 U	0.0220	4.96	0.0302	0.0020 U	92.1	0.0010 U	--	0.0028	0.0192
9/6/18	94.500	1.960	0.0002 U	0.0264	4.91	0.0258	0.0020 U	93.2	0.0010 U	--	0.0020 U	0.0252
4/9/19	98.500	2.420	0.0001 U	0.0237	6.32	0.0010 U	0.0010 U	108.0	0.0010 U	--	0.0010 U	0.0205 B
8/1/19	127.000	3.200	0.0001 U	0.0260	6.66	0.0010 U	0.0010 U	124.0	0.0010 U	--	0.0010 U	0.0263 B
3/9/20	121.000	3.120	0.0001 U	0.0262	6.42	0.0010 U	0.0010 U	114.0	0.0010 U	--	0.0010 U	0.0278
7/27/20	110.000	2.840	0.0001 U	0.0256	6.33	0.0010 U	0.0010 U	105.0	0.0010 U	--	0.0010 U	0.0247

Gude Landfill

Printed 10/24/20

Monitoring Location OB04A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	1.00 U	0.20 U	1.00 U	1.00 U	10.0 U	0.17 U	1.00 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
3/12/02	0.18 U	0.15 U	0.23 U	1.00 U	1.00 U	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.00 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	1.00 U	1.00 U
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.00 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	2.39	0.40 U	1.00 U	1.00 U	0.28 U	10.0 U	0.27 U	1.00 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	1.0 U	0.27 U	1.00 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.00 U
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.5 U	0.50 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.50 U	0.73
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.50 U	0.80
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.5 J	1.00 U	0.72 J
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.51 J

Gude Landfill

Printed 10/24/20

Monitoring Location OB04A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	22.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.6	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.1	1.00 U	1.33
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

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Printed 10/24/20

Monitoring Location OB04A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	1.56	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	1.81	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	1.48	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	6.47	0.11 U	0.58	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	1.79	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.64	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.40	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	7.30	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.65	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.09	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.72	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.83	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	1.40	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	4.46	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.32	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.65	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	7.33	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.35 J	--	1 U	--	1.68	1.00 U	1.00 U
7/29/10	--	1.00 U	7.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	2.00	--	1.00 U
9/15/10	2.00 U	2.00 U	4.66	2.00 U	0.78 J	2.00 U	2.00 U	2.00 U	2 U	18.60	--	2 U	--	2.45	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location OB04A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	6.60	--	5 U	--	2.20	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	2.10	--	1.00 U
3/13/12	--	--	7.60	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.60	--	1.00 U
9/17/12	1.00 U	1.00 U	6.94	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	15.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.50	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	6.23	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.94	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	7.07	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.57	1.00 U	--
9/8/14	1.00 U	1.00 U	6.83	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.70	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	7.95	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.97	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	7.66	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.86	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	9.95	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.15	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	4.69	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.42	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	8.79	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.81	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	8.35	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.71	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	8.89	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.82	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	6.99	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.61	1.00 U	1.00 U
4/9/19	--	1.00 U	6.20	1.00 U	5.00 U	--	5.00 U	--	5 U	8.10	--	5 U	1 U	1.60	--	1.00 U
8/1/19	--	1.00 U	8.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.70	--	1.00 U
3/9/20	--	1.00 U	8.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.90	--	1.00 U
7/27/20	--	1.00 U	9.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	2.40	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	4.45	0.19 U	0.17 U	1.00 U	--	0.26 U
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	23.24	0.19 U	0.17 U	1.94	--	0.26 U
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	1.00 U	0.21 U	--	26.49	0.19 U	0.17 U	2.72	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	18.02	0.19 U	0.17 U	1.25	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	19.38	0.19 U	0.17 U	1.29	--	0.26 U
10/8/03	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	22.97	0.19 U	0.17 U	1.73	--	0.26 U
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	1.00 U	0.2 U	0.23 U	1.00 U	--	18.94	0.19 U	0.17 U	1.00 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	15.36	0.29 U	0.27 U	1.93	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	11.88	0.29 U	0.27 U	2.21	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	5.65	0.29 U	0.27 U	1.00 U	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	12.82	0.29 U	0.27 U	1.07	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.08	0.3 U	0.27 U	0.25 U	--	23.31	0.29 U	0.27 U	1.50	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.02	0.3 U	0.27 U	0.25 U	--	24.08	0.29 U	0.27 U	1.45	--	0.23 U
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.17	0.3 U	0.27 U	0.25 U	--	26.31	0.29 U	0.27 U	2.12	--	0.23 U
3/25/08	0.19 U	0.12 U	0.09 U	--	0.13 U	0.98	0.1 U	0.21 U	0.15 U	--	23.78	0.13 U	0.15 U	1.44	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.82	0.1 U	0.12 U	0.20 U	--	20.70	0.12 U	0.13 U	1.20	--	0.12 U
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	1.07	0.1 U	0.50 U	0.20 U	--	24.40	0.12 U	0.13 U	1.64	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.14	1.0 U	1.00 U	1.00 U	--	21.80	1.00 U	1.00 U	1.71	--	1.00 U
7/29/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.0 U	1.00 U	1.00 U	--	25.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.87 J	2.0 U	2.00 U	2.00 U	--	8.54	2.00 U	2.00 U	4.43	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	7.50	--	67.00	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	--	20.00	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	16.40	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.56	1.0 U	1.00 U	1.00 U	--	36.80	1.00 U	1.00 U	2.42	--	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	19.40	1.00 U	1.00 U	1.29	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.25	1.0 U	1.00 U	1.00 U	--	16.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.37	1.0 U	1.00 U	1.00 U	--	15.60	1.00 U	1.00 U	1.43	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.34	1.0 U	1.00 U	1.00 U	--	17.80	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.33	1.0 U	1.00 U	1.00 U	--	17.30	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.63	1.0 U	1.00 U	1.00 U	--	20.20	1.00 U	1.00 U	1.07	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	15.80	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.47	1.0 U	1.00 U	1.00 U	--	19.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.64	1.0 U	1.00 U	1.00 U	--	16.90	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.58	1.0 U	1.00 U	1.00 U	--	18.60	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.54	1.0 U	1.00 U	1.00 U	--	16.00	1.00 U	1.00 U	1.00 U	--	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.0 U	1.00 U	1.00 U	1 U	14.10	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.0 U	1.00 U	1.00 U	1 U	18.30	1.00 U	1.00 U	--	5 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	1 U	20.30	1.00 U	1.00 U	--	5 U	1.00 U
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.80	1.0 U	1.00 U	1.00 U	1 U	21.70	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB04A - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/27/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	8.87	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	4.09	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.30	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	1.97	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U	0.21 U
10/8/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	1.24	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U	1.00 U
3/23/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.49	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	2.19	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
4/5/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	1.84	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/4/06	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	1.50	1.17	0.39 U	1.00 U	1.00 U	1.00 U	0.25 U	1.00 U
9/25/06	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	2.77	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
4/17/07	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	3.31	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
10/3/07	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	2.67	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.50 U	2.45	0.22 U	0.21 U	0.22 U	0.22 U	0.50 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	2.44	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U	0.50 U
3/9/09	--	0.50 U	0.23 U	--	--	1.25 U	0.20 U	2.98	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U	0.50 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	3.38	1.00 U	1.00 U	1.00 U	1.00 U	0.29 U	1.00 U	1.00 U
7/29/10	--	--	2.00 U	20.00 U	--	--	1.00 U	4.00	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	3.39	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Monitoring Location OB04A - Volatile Organic Compounds**

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	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/25/11	--	--	--	1.00 U	--	2.00 U	1.00 U	7.70	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	4.40	--	--	--	--	--	1.00 U	--
3/13/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	6.57	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.88	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.74	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.43	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.85	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.98	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.93	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.84	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	3.00	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	3.40	--	--	1.00 U	--	--	1.00 U	--
3/9/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	4.00 B	--	--	1.00 U	--	--	1.00 U	--
7/27/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	3.90	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location OB04A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/27/01	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/4/01	2.06	0.24 U	--	1.00 U	0.13 U	0.14 U	2.05	0.18 U	--	--	--
3/12/02	3.55	0.24 U	--	1.00 U	0.13 U	0.14 U	2.97	0.18 U	--	--	--
9/16/02	1.44	1.00 U	--	1.00 U	0.13 U	0.14 U	1.54	0.18 U	--	--	--
6/2/03	2.37	0.24 U	--	1.00 U	0.13 U	0.14 U	1.70	0.18 U	--	--	--
10/8/03	0.17 U	1.00 U	--	1.00 U	0.13 U	1.00 U	2.19	0.18 U	--	1.68	--
3/23/04	1.01	0.24 U	--	1.00 U	0.13 U	1.00 U	1.94	0.18 U	--	1.29	--
9/20/04	1.39	1.00 U	--	0.45 U	0.24 U	0.30 U	2.02	0.36 U	--	1.49	--
4/5/05	0.36 U	0.32 U	--	0.45 U	0.24 U	1.00 U	1.53	0.36 U	--	1.43	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/4/06	1.45	0.32 U	--	0.45 U	0.24 U	0.30 U	1.87	0.36 U	--	1.00 U	--
9/25/06	1.92	0.32 U	--	1.00 U	0.24 U	0.30 U	2.24	0.36 U	--	1.15	--
4/17/07	1.77	0.32 U	--	1.00 U	0.24 U	0.30 U	1.93	0.36 U	--	1.06	--
10/3/07	1.65	0.32 U	--	1.00 U	0.24 U	0.30 U	2.08	0.36 U	--	2.02	--
3/25/08	1.42	0.28 U	0	0.50 U	0.08 U	--	1.96	0.07 U	--	1.37	--
9/23/08	1.34	0.50 U	0	0.50 U	0.13 U	--	1.45	0.10 U	--	1.39	--
3/9/09	1.70	0.12 U	0	0.58	0.13 U	--	1.87	0.10 U	--	1.65	--
9/21/09	1.23	1.00 U	--	0.58 J	1.00 U	1.00 U	1.83	1.00 U	--	2.12	--
7/29/10	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1 U	2.00	--
9/15/10	0.60 J	2.00 U	--	2.00 U	2.00 U	2.00 U	1.07 J	2.00 U	2 U	2.78	--

Shaded concentrations represent MCL/GWPS exceedances

Gude Landfill

Monitoring Location OB04A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/25/11	13.00	1.00 U	--	5.40	1.00 U	5.00 U	17.00	3.80	1 U	1.00 U	1 U
9/15/11	1.30	1.00 U	--	2.20	1.00 U	5.00 U	1.30	1.00 U	1 U	1.00 U	1 U
3/13/12	1.90	1.00 U	--	1.00 U	1.00 U	5.00 U	1.90	1.00 U	1 U	1.00 U	1 U
9/17/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/13	3.36	1.00 U	--	1.22	1.00 U	5.00 U	3.39	1.00 U	5 U	4.37	--
9/18/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.26	--
3/13/14	1.35	1.00 U	--	1.00 U	1.00 U	5.00 U	1.47	1.00 U	5 U	1.78	--
9/8/14	1.14	1.00 U	--	1.00 U	1.00 U	5.00 U	1.27	1.00 U	5 U	2.35	--
3/18/15	1.39	1.00 U	--	1.00 U	1.00 U	5.00 U	1.47	1.00 U	5 U	2.06	--
9/1/15	1.36	1.00 U	--	1.00 U	1.00 U	5.00 U	1.63	1.00 U	5 U	1.98	--
3/16/16	1.65	1.00 U	--	1.00 U	1.00 U	5.00 U	1.66	1.00 U	5 U	2.40	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.37	1.00 U	5 U	1.68	--
3/6/17	1.29	1.00 U	--	1.00 U	1.00 U	5.00 U	1.44	1.00 U	5 U	2.20	--
9/12/17	1.31	1.00 U	--	1.00 U	1.00 U	5.00 U	1.44	1.00 U	5 U	1.91	--
3/28/18	1.25	1.00 U	--	1.00 U	1.00 U	5.00 U	1.49	1.00 U	5 U	1.93	--
9/6/18	1.11	1.00 U	--	1.00 U	1.00 U	5.00 U	1.49	1.00 U	5 U	1.96	--
4/9/19	1.10	1.00 U	--	1.00 U	1.00 U	1.00 U	1.40	1.00 U	1 U	1.80	--
8/1/19	1.40	1.00 U	--	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1 U	2.10	--
3/9/20	1.40	1.00 U	--	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1 U	2.20	--
7/27/20	1.60	2.30	--	1.00 U	1.00 U	1.00 U	1.70	1.00 U	1 U	2.50	--

**Gude Landfill**  
**Monitoring Location OB04 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.261	0.005 U	0.005 U	160.0	0.01 U	0.01 U	0.036	1.3	0.005 U	80.2	1.950	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.010	0.283	0.005 U	0.005 U	169.0	0.01 U	0.01 U	0.036	0.8	0.005 U	94.3	2.220	0.0002 U
9/17/12	0.005 U	0.010	0.271	0.005 U	0.005 U	165.0	0.01 U	0.01 U	0.038	0.6	0.005 U	81.7	2.320	0.0002 U
4/2/13	0.005 U	0.011	0.282	0.005 U	0.005 U	162.0	0.01 U	0.01 U	0.046	0.7	0.005 U	80.0	2.530	0.0002 U
9/18/13	0.005 U	0.005 U	0.260	0.005 U	0.005 U	169.0	0.01 U	0.01 U	0.034	0.7	0.005 U	83.2	2.730	0.0002 U
3/13/14	0.005 U	0.010	0.297	0.005 U	0.005 U	160.0	0.01 U	0.01 U	0.037	0.2 U	0.005 U	78.6	2.750	0.0002 U
9/8/14	0.005 U	0.005 U	0.284	0.005 U	0.005 U	160.0	0.01 U	0.01 U	0.038	1.0	0.005 U	81.7	2.970	0.0002 U
3/18/15	0.002 U	0.006	0.280	0.002 U	0.004 U	180.0	0.01 U	0.01 U	0.034	0.0 U	0.002 U	88.0	2.500	0.0002 U
9/1/15	0.001 U	0.006	0.270	0.001 U	0.001 U	170.0	0.01 U	0.01 U	0.038	0.0 U	0.001 U	84.0	3.200	0.0002 U
3/16/16	0.002 U	0.004	0.304	0.002 U	0.002 U	167.0	0.00 U	0.00 U	0.035	1.0	0.002 U	87.0	3.440	0.0002 U
8/30/16	0.002 U	0.006	0.310	0.002 U	0.002 U	166.0	0.00 U	0.00 U	0.032	0.9	0.002 U	90.6	2.910	0.0002 U
3/6/17	0.002 U	0.006	0.321	0.002 U	0.002 U	176.0	0.01	0.00 U	0.038	0.9	0.002 U	90.7	3.210	0.0002 U
9/12/17	0.002 U	0.004	0.311	0.002 U	0.002 U	169.0	0.00	0.00 U	0.027	0.9	0.002 U	90.0	2.650	0.0002 U
3/28/18	0.002 U	0.009	0.305	0.002 U	0.002 U	165.0	0.01	0.00 U	0.032	0.2 U	0.002 U	85.8	3.120	0.0002 U
9/6/18	0.002 U	0.006	0.305	0.002 U	0.002 U	180.0	0.01	0.00 U	0.037	0.1 U	0.002 U	90.8	3.070	0.0002 U

Gude Landfill

Monitoring Location OB04 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.01	6.6	0.021	0.01 U	68.8	0.005 U	0.01 U	0.012
9/15/11	0.01	--	--	--	--	--	--	--
3/13/12	0.02	7.4	0.035	0.01 U	79.3	0.005 U	0.01 U	0.009
9/17/12	0.02	7.8	0.039	0.01 U	66.8	0.005 U	0.01 U	0.008
4/2/13	0.02	8.2	0.044	0.01 U	67.3	0.005 U	0.01 U	0.008
9/18/13	0.01	7.4	0.020	0.01 U	65.7	0.005 U	0.01 U	0.008
3/13/14	0.02	6.6	0.035	0.01 U	62.7	0.005 U	0.01 U	0.009
9/8/14	0.01	7.5	0.021	0.01 U	69.4	0.005 U	0.01 U	0.012
3/18/15	0.02	7.3	0.022 J	0.01 U	64.0	0.002 U	0.01 U	0.006 J
9/1/15	0.01 U	8.2	0.026	0.00 U	70.0	0.001 U	0.01 U	0.005
3/16/16	0.01	7.0	0.018	0.00 U	68.3	0.001 U	0.00 U	0.006
8/30/16	0.01	7.4	0.020	0.00 U	69.6	0.001 U	0.00 U	0.006
3/6/17	0.02	7.0	0.030	0.00 U	69.2	0.001 U	0.00	0.008
9/12/17	0.01	6.4	0.017	0.00 U	68.8	0.001 U	0.00 U	0.006
3/28/18	0.02	6.8	0.028	0.00 U	64.8	0.001 U	0.00	0.007
9/6/18	0.02	6.6	0.022	0.00 U	68.1	0.001 U	0.00	0.008

**Gude Landfill**  
**Monitoring Location OB04 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	352.8940	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	304.6010	0.004	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	98.9558	0.005	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	320.1710	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	337.7240	0.002 U	--	--	--	--	--	--	--	--	0.028
10/8/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.029
3/23/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.031
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.019
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.052
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.026
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.029
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.034
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	221.0	0.33	26.3	412.0000	--	--	670.0	0.2000 U	--	--	--	--	--	--
7/29/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	255.0	0.51	29.8	424.0000	--	--	680.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB04 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/25/11	238.0	0.70	30.7	433.0000	--	--	717.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/15/11	242.0	0.67	29.2	416.0000	--	--	705.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/13/12	261.0	0.67	34.1	473.0000	--	--	714.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/17/12	248.0	0.77	26.7	448.0000	--	--	712.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/2/13	244.0	0.73	31.3	449.0000	--	0	730.0	0.2000 U	0 U	0.05 U	380	6.22	--	--
9/18/13	249.0	0.67	23.7	455.0000	--	0	740.0	0.2000 U	0 U	0.05 U	416	6.12	--	--
3/13/14	248.0	0.78	34.8	453.0000	--	6	742.0	0.2000 U	--	--	419	6.17	--	--
9/8/14	265.0	0.94	38.0	462.0000	--	2	762.0	0.2000 U	0 U	0.05 U	339	6.32	--	--
3/18/15	250.0	0.83	33.1	503.0000	--	0	764.0	0.2000 U	0 U	0.05 U	313	6.07	--	--
9/1/15	270.0	1.04	35.0	482.0000	--	1	760.0	0.2000 U	0 U	0.05 U	254	5.99	--	--
3/16/16	249.0	0.79	32.0	496.0000	--	0	780.0	0.2000 U	0 U	0.05 U	385	6.21	--	--
8/30/16	245.0	0.72	39.4	492.0000	--	2	760.0	0.2000 U	0 U	0.05 U	371	5.87	--	--
3/6/17	295.0	1.65	16.6	187.0000	--	--	640.0	0.2000 U	0 U	0.05 U	369	6.10	--	--
9/12/17	237.0	0.38	34.4	497.0000	--	--	760.0	0.2000 U	0 U	0.05 U	398	6.04	--	--
3/28/18	229.0	0.52	45.4	527.0000	--	--	930.0	0.2000 U	0 U	0.05 U	220	6.09	--	--
9/6/18	243.0	0.60	36.4	529.0000	--	--	814.0	0.2000 U	0 U	0.05 U	191	5.80	--	--
4/9/19	264.0	0.80	47.0	530.0000	--	0	745.0 B	1.3000	--	--	138	5.89	6.21	--
8/1/19	286.0	0.83	35.3	514.0000	--	0	931.0	1.5000	--	--	93	5.73	6.19	--
3/9/20	275.0	0.81	36.5	103.0000	--	0	875.0	1.1500	--	--	175	5.94	6.12	--
7/27/20	277.0	0.88	45.1	497.0000	--	1	821.0	0.2000 U	--	--	-60	5.93	6.07	--

Gude Landfill

Monitoring Location OB04 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	0.1	--
9/4/01	--	--	--	--	--	--	--	--	1.2	--
3/12/02	--	--	--	--	--	--	--	--	0.6	--
9/16/02	--	--	--	--	--	--	--	--	4.6	--
6/2/03	--	--	--	--	--	--	0 U	--	2.6	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	18.8	--	--	1348	--	--	1.1	--
7/29/10	--	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	--	28.4	--	--	1760	--	--	0.6	--

Gude Landfill

Monitoring Location OB04 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/25/11	--	--	19.6 J	--	--	1428	--	--	0.4	--
9/15/11	--	--	22.3	--	--	1736	--	--	--	--
3/13/12	--	--	19.5	--	--	1632	--	--	--	--
9/17/12	--	--	18.3	--	--	1432	--	--	--	--
4/2/13	2	--	16.1	--	15.1	1600	--	--	--	0.0
9/18/13	1737	--	21.0	--	16.1	1304	--	--	--	0.0
3/13/14	1742	--	22.8	--	15.0	1256	--	--	--	1.0
9/8/14	1840	--	27.9	--	15.8	1168	--	--	--	0.0
3/18/15	1685	--	20.2	--	15.1	1112	--	--	--	0.6
9/1/15	1881	--	17.9	--	16.4	1142	--	--	--	0.0
3/16/16	1835	--	21.6	--	14.8	1150	--	--	--	0.0
8/30/16	1857	--	19.0	--	17.0	1360	--	--	--	0.0
3/6/17	1823	--	9.9	--	17.9	524	--	--	--	0.0
9/12/17	1824	--	14.6	--	16.9	1210	--	--	--	0.0
3/28/18	1781	--	18.1	--	14.1	1320	--	--	--	0.0
9/6/18	1992	--	18.3	--	19.0	1100	--	--	--	6.4
4/9/19	2474	2070	25.0	--	15.3	1470	--	2.6 U	0.5 U	2.0
8/1/19	2	2080	21.9	--	16.8	1670	--	6.0 U	0.5 U	1.6
3/9/20	1989	2000	19.4	--	16.1	1390	--	2.3 U	0.5 U	1.0
7/27/20	2028	2160	17.7	--	19.6	1220	--	2.3 U	0.5 U	1.4

**Gude Landfill**  
**Monitoring Location OB04 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.0315	0.0005 U	--	0.0020 U	--	0.0103	0.0007 U	0.0262	--	0.0013 U
9/4/01	0.0020 U	0.0020 U	0.1173	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0114	--	0.0028
3/12/02	0.0005 U	0.0041	0.1226	0.0017 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0069	--	0.0020 U
9/16/02	0.0007 U	0.0138	0.1375	0.0004 U	--	0.0020 U	--	0.0028	0.0020	0.0096	--	0.0039
6/2/03	0.0007 U	0.0020 U	0.1795	0.0004 U	--	0.0020 U	--	0.0005 U	0.0020 U	0.0108	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.1584	0.0016 U	--	0.0007 U	--	0.0005 U	0.0020 U	0.0100 U	--	0.0020 U
3/23/04	0.0009 U	0.0008 U	0.1513	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.0020 U
9/20/04	0.0028 U	0.0020 U	0.1513	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0121	--	0.0020 U
4/5/05	0.0028 U	0.0020 U	0.0797	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0157	--	0.0006 U
9/21/05	0.0028 U	0.0020 U	0.0430	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0254	--	0.0020 U
4/4/06	0.0006 U	0.0006 U	0.1065	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0123	--	0.0027
9/25/06	0.0007 U	0.0020 U	0.2328	0.0009 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0316	--	0.0007 U
4/17/07	0.0007 U	0.0020 U	0.2276	0.0009 U	0.247	--	--	0.0007 U	0.0020 U	0.0323	--	0.0007 U
10/3/07	0.0007 U	0.0020 U	0.2220	0.0009 U	0.206	--	--	0.0020 U	0.0020 U	0.0290	--	0.0007 U
3/25/08	0.0005 U	0.0020 U	0.1991	0.0010 U	0.159	--	--	0.0008 U	0.0012 U	0.0088	--	0.0010 U
9/23/08	0.0010 U	0.0040 U	0.2255	0.0020 U	0.400 U	--	--	0.0016 U	0.0024 U	0.0087	--	0.0040 U
3/9/09	0.0010 U	0.0100 U	0.2468	0.0012 U	0.187	--	--	0.0007 U	0.0007 U	0.0311	--	0.0100 U
9/21/09	0.0020 U	0.0034	0.2610	0.0020 U	--	0.0020 U	154.0	0.0020 U	0.0004 J	0.0344	0.3	0.0020 U
7/29/10	0.0010 U	0.0014	0.2500	0.0010 U	--	0.0010 U	--	0.0005 J	0.0007 J	0.0400	--	0.0010 U
9/15/10	0.0050 U	0.0055	0.2550	0.0050 U	--	0.0050 U	159.0	0.0050 U	0.0050 U	0.0418	1.2	0.0050 U
4/25/11	0.0050 U	0.0050 U	0.2640	0.0050 U	--	0.0050 U	154.0 J	0.0050 U	0.0050 U	0.0367	0.5 U	0.0050 U
9/15/11	0.0050 U	0.0050 U	0.2550	0.0050 U	--	0.0050 U	157.0	0.0050 U	0.0050 U	0.0314	0.9	0.0050 U
3/13/12	0.0050 U	0.0091	0.2810	0.0050 U	--	0.0050 U	173.0	0.0050 U	0.0050 U	0.0377	0.8	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB04 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/17/12	0.0050 U	0.0086	0.2470	0.0050 U	--	0.0050 U	157.0	0.0050 U	0.0050 U	0.0353	0.8	0.0050 U
4/2/13	0.0050 U	0.0093	0.2740	0.0050 U	--	0.0050 U	151.0	0.0050 U	0.0050 U	0.0475	0.8	0.0050 U
9/18/13	0.0050 U	0.0050 U	0.2650	0.0050 U	--	0.0050 U	164.0	0.0050 U	0.0050 U	0.0354	0.7	0.0050 U
3/13/14	0.0050 U	0.0088	0.2940	0.0050 U	--	0.0050 U	175.0	0.0050 U	0.0050 U	0.0382	0.9	0.0050 U
9/8/14	0.0050 U	0.0050 U	0.2910	0.0050 U	--	0.0050 U	169.0	0.0050 U	0.0050 U	0.0393	1.0	0.0050 U
3/18/15	0.0020 U	0.0079	0.2800	0.0020 U	--	0.0040 U	180.0	0.0100 U	0.0100 U	0.0360	0.0 U	0.0020 U
9/1/15	0.0010 U	0.0054	0.2800	0.0010 U	--	0.0005 U	170.0	0.0050 U	0.0050 U	0.0390	0.0 U	0.0010 U
3/16/16	0.0020 U	0.0041	0.3090	0.0020 U	--	0.0020 U	170.0	0.0020 U	0.0020 U	0.0360	1.0	0.0020 U
8/30/16	0.0020 U	0.0042	0.2940	0.0020 U	--	0.0020 U	165.0	0.0020 U	0.0020 U	0.0321	1.1	0.0020 U
3/6/17	0.0020 U	0.0038	0.4780	0.0020 U	--	0.0020 U	77.2	0.0060	0.0575	0.0057	23.3	0.0020 U
9/12/17	0.0020 U	0.0037	0.3150	0.0020 U	--	0.0020 U	170.0	0.0032	0.0020 U	0.0278	1.0	0.0020 U
3/28/18	0.0020 U	0.0094	0.3050	0.0020 U	--	0.0020 U	167.0	0.0074	0.0020 U	0.0312	0.2 U	0.0020 U
9/6/18	0.0020 U	0.0069	0.3070	0.0020 U	--	0.0020 U	178.0	0.0036	0.0020 U	0.0488	0.1 U	0.0020 U
4/9/19	0.0010 U	0.0010 U	0.2890	0.0010 U	--	0.0010 U	171.0	0.0010 U	0.0010 U	0.0400	0.1 U	0.0010 U
8/1/19	0.0010 U	0.0010 U	0.2720	0.0010 U	--	0.0010 U	179.0	0.0044	0.0010 U	0.0391	0.1 U	0.0010 U
3/9/20	0.0010 U	0.0010 U	0.3090	0.0010 U	--	0.0010 U	163.0	0.0013	0.0010 U	0.0411	0.0 U	0.0010 U
7/27/20	0.0010 U	0.0010 U	0.2860	0.0010 U	--	0.0010 U	157.0	0.0010 U	0.0010 U	0.0381	0.0 U	0.0010 U

**Gude Landfill**  
**Monitoring Location OB04 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.362	0.0002 U	0.0113	--	0.0050 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	0.465	0.0002	0.0110	--	0.0046	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/12/02	--	0.341	0.0001 U	0.0112	--	0.0148	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.366	0.0001 U	0.0123	--	0.0384	0.0096 U	--	0.0010 U	0.0020 U	0.0020 U	--
6/2/03	--	0.244	0.0002 U	0.0114	--	0.0045	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.445	0.0002 U	0.0090	--	0.0033	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/23/04	--	0.215	0.0002 U	0.0093	--	0.0030	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
9/20/04	--	0.646	0.0001 U	0.0112	--	0.0056	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/5/05	--	0.031	0.0001 U	0.0064	--	0.0024	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.702	0.0002	0.0146	--	0.0032	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/4/06	--	0.107	0.0001 U	0.0095	--	0.0047	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	1.200	0.0002 U	0.0091	--	0.0033	0.0005 U	--	0.0020 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0105	--	0.0072	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0070
10/3/07	--	--	0.0002 U	0.0102	--	0.0070	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0058
3/25/08	--	--	0.0002 U	0.0106	--	0.0050	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0167
9/23/08	--	--	0.0002 U	0.0118	--	0.0058	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/9/09	--	--	0.0002 U	0.0100 U	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0100 U	0.0138
9/21/09	75.100	1.320	0.0002 U	0.0137	6.32	0.0167	0.0020 U	71.0	0.0020 U	--	0.0005 J	0.0100 U
7/29/10	--	--	0.0003	0.0110	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0026 J	0.0160
9/15/10	81.000	1.840	0.0002 U	0.0145	6.45	0.0219	0.0050 U	73.8	0.0050 U	--	0.0050 U	0.0078
4/25/11	88.100	1.940	0.0002 U	0.0132	7.29	0.0193	0.0050 U	74.4	0.0050 U	--	0.0050 U	0.0083
9/15/11	89.100	2.030	0.0002 U	--	7.18	0.0144	0.0050 U	74.3	0.0050 U	--	0.0050 U	0.0074
3/13/12	88.900	2.070	0.0002 U	0.0168	7.03	0.0320	0.0050 U	73.3	0.0050 U	--	0.0050 U	0.0069

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB04 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/17/12	76.600	2.280	0.0002 U	0.0188	7.72	0.0321	0.0050 U	63.2	0.0050 U	--	0.0050 U	0.0089
4/2/13	78.100	2.550	0.0002 U	0.0203	8.21	0.0370	0.0050 U	66.6	0.0050 U	--	0.0050 U	0.0079
9/18/13	82.000	2.590	0.0002 U	0.0128	7.21	0.0212	0.0050 U	64.8	0.0050 U	--	0.0050 U	0.0080
3/13/14	88.300	2.630	0.0002 U	0.0174	7.74	0.0303	0.0050 U	71.4	0.0050 U	--	0.0050 U	0.0100
9/8/14	86.100	2.950	0.0002 U	0.0149	7.71	0.0208	0.0050 U	73.1	0.0050 U	--	0.0050 U	0.0109
3/18/15	89.000	2.600	0.0002 U	0.0110 U	7.40	0.0270 J	0.0100 U	65.0	0.0020 U	--	0.0100 U	0.0064 J
9/1/15	86.000	3.100	0.0002 U	0.0110	8.40	0.0220	0.0010 U	71.0	0.0010 U	--	0.0050 U	0.0060
3/16/16	87.400	5.140	0.0002 U	0.0136	6.85	0.0195	0.0020 U	69.3	0.0010 U	--	0.0020 U	0.0056
8/30/16	86.100	2.850	0.0002 U	0.0125	6.72	0.0174	0.0020 U	68.1	0.0010 U	--	0.0020 U	0.0051
3/6/17	47.600	20.900	0.0002 U	0.0179	5.90	0.0049	0.0020 U	40.6	0.0010 U	--	0.0020 U	0.0133
9/12/17	91.000	2.620	0.0002 U	0.0124	6.49	0.0163	0.0020 U	70.0	0.0010 U	--	0.0020 U	0.0060
3/28/18	86.900	2.940	0.0002 U	0.0154	6.07	0.0291	0.0020 U	66.4	0.0010 U	--	0.0028	0.0060
9/6/18	89.800	3.030	0.0002 U	0.0167	6.62	0.0242	0.0020 U	66.5	0.0010 U	--	0.0020 U	0.0096
4/9/19	91.300	3.800	0.0001 U	0.0148	6.86	0.0010 U	0.0010 U	77.1	0.0010 U	--	0.0010 U	0.0080 B
8/1/19	118.000	4.140	0.0001 U	0.0164	6.59	0.0010 U	0.0010 U	76.2	0.0010 U	--	0.0010 U	0.0076 B
3/9/20	114.000	4.010	0.0001	0.0151	7.41	0.0010 U	0.0010 U	83.8	0.0010 U	--	0.0010 U	0.0078
7/27/20	104.000	4.150	0.0001 U	0.0140	7.51	0.0010 U	0.0010 U	76.2	0.0010 U	--	0.0010 U	0.0041

Gude Landfill

Printed 10/24/20

Monitoring Location OB04 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.00 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	1.00 U	10.0 U	0.17 U	1.00 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	1.0 U	1.00 U	1.00 U
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	--	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.00 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.00 U
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.00 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.5 U	0.13 U	0.55
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.50 U	0.66
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.4 U	1.00 U	1.00 U
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U



Gude Landfill

Printed 10/24/20

Monitoring Location OB04 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.4	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0	1.00 U	1.15
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.39	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.98	0.11 U	0.72	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	3.92	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	11.51	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.33	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	--	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.65	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.70	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.85	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.50 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.21	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.68	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	6.06	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.18 J	--	1 U	--	1.62	1.00 U	1.00 U
7/29/10	--	1.00 U	6.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	2.00	--	1.00 U
9/15/10	2.00 U	2.00 U	2.91	2.00 U	0.65 J	2.00 U	2.00 U	2.00 U	2 U	11.90	--	2 U	--	2.04	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/13/12	--	--	5.90	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.60	--	1.00 U
9/17/12	1.00 U	1.00 U	5.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	14.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.73	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	5.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.54	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	5.82	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.61	1.00 U	--
9/8/14	1.00 U	1.00 U	5.31	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.73	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	5.97	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.98	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	5.85	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.86	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	7.55	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.12	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	5.38	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.70	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.77	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	6.46	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.68	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	6.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.80	1.00 U	1.00 U
9/6/18	1.00 U	1.00 U	6.26	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.61	1.00 U	1.00 U
4/9/19	--	1.00 U	5.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.60	--	1.00 U
8/1/19	--	1.00 U	6.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.60	--	1.00 U
3/9/20	--	1.00 U	6.00	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.70	--	1.00 U
7/27/20	--	1.00 U	6.90	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.80	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	18.27	0.19 U	0.17 U	1.57	--	0.26 U
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	9.92	0.19 U	0.17 U	1.09	--	0.26 U
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	5.41	0.19 U	0.17 U	2.16	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	4.87	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	1.19	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	4.85	0.19 U	0.17 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	11.27	0.19 U	0.17 U	1.00 U	--	0.26 U
3/23/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	3.94	0.19 U	0.17 U	0.20 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	9.25	0.29 U	0.27 U	1.28	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.38	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	18.27	0.29 U	0.27 U	2.82	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.59	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.11	0.3 U	0.27 U	0.25 U	--	18.58	0.29 U	0.27 U	1.61	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.05	0.3 U	0.27 U	0.25 U	--	18.76	0.29 U	0.27 U	1.48	--	0.23 U
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.19	0.3 U	0.27 U	0.25 U	--	20.95	0.29 U	0.27 U	2.31	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.1 U	0.21 U	0.15 U	--	6.45	0.13 U	0.15 U	0.52	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.58	0.1 U	0.12 U	0.20 U	--	15.43	0.12 U	0.13 U	1.13	--	0.12 U
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.92	0.1 U	0.50 U	0.20 U	--	18.92	0.12 U	0.13 U	1.73	--	0.12 U
9/21/09	1.00 U	1.00 U	0.22 J	2.50 U	1.00 U	1.09	1.0 U	1.00 U	1.00 U	--	17.00	1.00 U	1.00 U	1.70	--	1.00 U
7/29/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.0 U	1.00 U	1.00 U	--	20.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.90 J	2.0 U	2.00 U	2.00 U	--	8.32	2.00 U	2.00 U	4.50	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.00	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	--	14.00	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	12.40	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.85	1.0 U	1.00 U	1.00 U	--	27.70	1.00 U	1.00 U	2.68	--	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.08	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.38	1.0 U	1.00 U	1.00 U	--	12.40	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.39	1.0 U	1.00 U	1.00 U	--	12.40	1.00 U	1.00 U	1.09	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.56	1.0 U	1.00 U	1.00 U	--	13.20	1.00 U	1.00 U	1.13	--	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.53	1.0 U	1.00 U	1.00 U	--	13.30	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.70	1.0 U	1.00 U	1.00 U	--	15.30	1.00 U	1.00 U	1.16	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	--	13.40	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.33	1.0 U	1.00 U	1.00 U	--	14.80	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.66	1.0 U	1.00 U	1.00 U	--	13.70	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.66	1.0 U	1.00 U	1.00 U	--	14.70	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.44	1.0 U	1.00 U	1.00 U	--	12.80	1.00 U	1.00 U	1.00 U	--	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.0 U	1.00 U	1.00 U	1 U	11.80	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.90	1.0 U	1.00 U	1.00 U	1 U	13.50	1.00 U	1.00 U	--	5 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.70	1.0 U	1.00 U	1.00 U	1 U	14.80	1.00 U	1.00 U	--	5 U	1.00 U
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.90	1.0 U	1.00 U	1.00 U	1 U	16.50	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/27/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.26	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.00	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/8/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/23/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	2.53	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/4/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	1.48	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	1.60	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
10/3/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	1.42	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	1.00 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U	0.50 U
3/9/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	1.42	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U	0.50 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.93	1.00 U	1.00 U	1.00 U	1.00 U	0.27 U	1.00 U	1.00 U
7/29/10	--	--	2.00 U	20.00 U	--	--	1.00 U	2.00	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	1.03 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB04 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/25/11	--	--	--	1.00 U	--	2.00 U	1.00 U	2.00	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/13/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.48	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.73	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.65	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.66	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.06	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.96	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.03	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	2.05	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.76	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	2.10	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	2.00	--	--	1.00 U	--	--	1.00 U	--
3/9/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	2.30 B	--	--	1.00 U	--	--	1.00 U	--
7/27/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	2.20	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location OB04 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/27/01	1.22	0.24 U	--	1.00 U	0.13 U	0.14 U	1.89	0.18 U	--	--	--
9/4/01	1.91	0.24 U	--	1.00 U	0.13 U	0.14 U	1.59	0.18 U	--	--	--
3/12/02	4.08	0.24 U	--	1.00 U	0.13 U	0.14 U	2.70	0.18 U	--	--	--
9/16/02	1.33	0.24 U	--	0.22 U	0.13 U	0.14 U	1.15	0.18 U	--	--	--
6/2/03	1.96	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
10/8/03	3.16	1.00 U	--	1.00 U	0.13 U	0.14 U	1.55	0.18 U	--	0.66	--
3/23/04	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.05	--
9/20/04	1.52	0.32 U	--	0.45 U	0.24 U	0.30 U	1.88	0.36 U	--	1.00 U	--
4/5/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
9/21/05	1.15	1.00 U	--	0.45 U	0.24 U	0.30 U	1.71	0.36 U	--	1.57	--
4/4/06	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
9/25/06	2.23	0.32 U	--	1.00 U	0.24 U	0.30 U	2.19	0.36 U	--	1.33	--
4/17/07	1.93	0.32 U	--	1.00 U	0.24 U	0.30 U	1.82	0.36 U	--	1.23	--
10/3/07	2.07	0.32 U	--	1.00 U	0.24 U	0.30 U	2.12	0.36 U	--	1.70	--
3/25/08	0.65	0.28 U	0	0.22 U	0.08 U	--	0.92	0.07 U	--	0.22 U	--
9/23/08	1.34	0.92	0	0.50 U	0.13 U	--	1.40	0.10 U	--	0.81	--
3/9/09	1.99	0.12 U	0	0.50 U	0.13 U	--	1.82	0.10 U	--	1.47	--
9/21/09	1.25	1.00 U	--	0.47 J	1.00 U	1.00 U	1.66	1.00 U	--	1.53	--
7/29/10	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1 U	2.00	--
9/15/10	0.70 J	2.00 U	--	2.00 U	2.00 U	2.00 U	1.08 J	2.00 U	2 U	2.16	--



# Gude Landfill

Printed 10/24/20

## Monitoring Location OB04 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/25/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	--	1.00 U	1 U
9/15/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/13/12	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	1.60	1.00 U	1 U	1.00 U	1 U
9/17/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/13	3.93	1.00 U	--	1.00 U	1.00 U	5.00 U	3.42	1.00 U	5 U	3.03	--
9/18/13	1.24	1.00 U	--	1.00 U	1.00 U	5.00 U	1.76	1.00 U	5 U	1.71	--
3/13/14	1.63	1.00 U	--	1.00 U	1.00 U	5.00 U	1.38	1.00 U	5 U	1.40	--
9/8/14	1.39	1.00 U	--	1.00 U	1.00 U	5.00 U	1.35	1.00 U	5 U	1.49	--
3/18/15	1.59	1.00 U	--	1.00 U	1.00 U	5.00 U	1.36	1.00 U	5 U	1.57	--
9/1/15	1.45	1.00 U	--	1.00 U	1.00 U	5.00 U	1.49	1.00 U	5 U	1.41	--
3/16/16	1.83	1.00 U	--	1.00 U	1.00 U	5.00 U	1.57	1.00 U	5 U	1.68	--
8/30/16	1.27	1.00 U	--	1.00 U	1.00 U	5.00 U	1.30	1.00 U	5 U	1.35	--
3/6/17	1.36	1.00 U	--	1.00 U	1.00 U	5.00 U	1.54	1.00 U	5 U	1.46	--
9/12/17	1.35	1.00 U	--	1.00 U	1.00 U	5.00 U	1.19	1.00 U	5 U	1.36	--
3/28/18	1.53	1.00 U	--	1.00 U	1.00 U	5.00 U	1.35	1.00 U	5 U	1.39	--
9/6/18	1.38	1.00 U	--	1.00 U	1.00 U	5.00 U	1.30	1.00 U	5 U	1.41	--
4/9/19	1.30	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.30	--
8/1/19	1.30	1.00 U	--	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1 U	1.40	--
3/9/20	1.40	1.00 U	--	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1 U	1.50	--
7/27/20	1.70	1.00 U	--	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1 U	1.70	--

**Gude Landfill**  
**Monitoring Location OB06 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.180	0.005 U	0.005 U	122.0	0.01 U	0.01	0.008	0.7	0.005 U	49.1	0.462	0.0002 U
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	0.005 U	0.005 U	0.184	0.005 U	0.005 U	145.0	0.01 U	0.01	0.009	0.7	0.005 U	60.4	0.517	0.0002 U
9/11/12	0.005 U	0.005 U	0.181	0.005 U	0.005 U	148.0	0.01 U	0.01 U	0.006	0.6	0.005 U	64.9	0.469	0.0002 U
3/27/13	0.005 U	0.005 U	0.188	0.005 U	0.005 U	139.0	0.01 U	0.01 U	0.016	0.9	0.005 U	56.3	0.474	0.0002 U
9/12/13	0.005 U	0.005 U	0.180	0.005 U	0.005 U	144.0	0.01 U	0.01 U	0.007	0.6	0.005 U	57.8	0.489	0.0002 U
9/16/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/24/14	0.005 U	0.005 U	0.190	0.005 U	0.005 U	144.0	0.01 U	0.01 U	0.007	0.9	0.005 U	60.2	0.522	0.0002 U
9/2/14	0.005 U	0.005 U	0.194	0.005 U	0.005 U	137.0	0.01 U	0.01 U	0.008	0.8	0.005 U	57.0	0.504	0.0002 U
3/17/15	0.002 U	0.005	0.170	0.002 U	0.004 U	150.0	0.01 U	0.01 U	0.004 J	0.0 U	0.002 U	57.0	0.470	0.0002 U
9/9/15	0.001 U	0.005	0.170	0.001 U	0.001 U	140.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	59.0	0.570	0.0002 U
3/17/16	0.002 U	0.003	0.192	0.002 U	0.002 U	140.0	0.00 U	0.00	0.005	0.9	0.002 U	58.4	0.560	0.0002 U
8/31/16	0.002 U	0.004	0.204	0.002 U	0.002 U	140.0	0.00 U	0.00	0.005	0.8	0.002 U	59.4	0.576	0.0002 U
3/7/17	0.002 U	0.005	0.180	0.002 U	0.002 U	149.0	0.01	0.00	0.013	0.9	0.002 U	61.8	0.575	0.0002 U
9/11/17	0.002 U	0.002	0.194	0.002 U	0.002 U	147.0	0.00	0.00	0.004	0.7	0.002 U	61.5	0.566	0.0002 U
4/4/18	0.002 U	0.005	0.185	0.002 U	0.002 U	145.0	0.01	0.00	0.004	0.1 U	0.002 U	58.6	0.510	0.0002 U
9/4/18	0.002 U	0.004	0.176	0.002 U	0.002 U	150.0	0.01	0.00	0.004	0.1 U	0.002 U	58.8	0.481	0.0002 U

Gude Landfill

Monitoring Location OB06 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01	4.6	0.015	0.01 U	70.3	0.005 U	0.01 U	0.024
9/7/11	0.01	--	--	--	--	--	--	--
3/6/12	0.02	4.6	0.012	0.01 U	78.7	0.005 U	0.01 U	0.022
9/11/12	0.02	4.8	0.016	0.01 U	95.8	0.005 U	0.01 U	0.018
3/27/13	0.01	6.3	0.016	0.01 U	92.5	0.005 U	0.01 U	0.020
9/12/13	0.01	4.7	0.013	0.01 U	93.4	0.005 U	0.01 U	0.018
9/16/13	0.01	--	--	--	--	--	--	--
9/19/13	0.01	--	--	--	--	--	--	--
3/24/14	0.01	4.8	0.012	0.01 U	104.0	0.005 U	0.01 U	0.019
9/2/14	0.01	4.4	0.015	0.01 U	93.5	0.005 U	0.01 U	0.026
3/17/15	0.01	4.3	0.015 U	0.01 U	100.0	0.002 U	0.01 U	0.016
9/9/15	0.01 U	4.9	0.016	0.00 U	110.0	0.001 U	0.01 U	0.015
3/17/16	0.01	4.2	0.012	0.00 U	114.0	0.001 U	0.00 U	0.013
8/31/16	0.01	4.5	0.015	0.00 U	113.0	0.001 U	0.00 U	0.012
3/7/17	0.02	4.2	0.020	0.00 U	126.0	0.001 U	0.00	0.015
9/11/17	0.01	4.3	0.010	0.00 U	127.0	0.001 U	0.00 U	0.012
4/4/18	0.01	4.4	0.015	0.00 U	131.0	0.001 U	0.00	0.011
9/4/18	0.01	4.8	0.016	0.00 U	129.0	0.001 U	0.00 U	0.013

**Gude Landfill**  
**Monitoring Location OB06 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	348.9380	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	301.1230	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	307.3560	0.001 U	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	312.7100	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	--	0.012	--	--	--	--	--	--	--	--	0.028
10/8/03	--	--	--	--	0.012	--	--	--	--	--	--	--	--	0.023
3/24/04	--	--	--	--	0.009	--	--	--	--	--	--	--	--	0.025
9/21/04	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.028
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.017
9/21/05	--	--	--	--	0.009	--	--	--	--	--	--	--	--	0.027
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.026
9/26/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.028
4/18/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.030
10/2/07	--	--	--	--	0.010 U	--	--	--	--	--	--	--	--	0.055
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	150.0	0.20 U	68.0	356.0000	--	--	580.0	0.6869	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/20/10	220.0	0.20 U	31.5	360.0000	--	--	550.0	0.8700	1	0.19	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB06 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/19/11	145.0	0.39	38.9	356.0000	--	--	553.0	0.7580	1	0.17	--	--	--	--
9/7/11	156.0	0.20 U	32.9	350.0000	--	--	552.0	0.7860	1	0.20	--	--	--	--
3/6/12	175.0	0.20 U	44.0	383.0000	--	--	582.0	0.7080	1	0.20	--	--	--	--
9/11/12	161.0	0.20 U	38.1	374.0000	--	--	566.0	0.6740	1	0.19	--	--	--	--
3/27/13	178.0	0.20 U	43.0	382.0000	--	0	582.0	0.5540	1	0.20	450	6.03	--	--
9/12/13	188.0	0.20 U	36.2	376.0000	--	0	584.0	0.5590	1	0.19	386	5.70	--	--
9/16/13	--	--	--	--	--	1	580.0	--	--	--	122	5.75	--	--
9/19/13	--	--	--	--	--	0	580.0	--	--	--	223	5.65	--	--
3/24/14	203.0	0.20 U	44.6	373.0000	--	0	632.0	0.4860	--	--	402	5.96	--	--
9/2/14	182.0	0.20 U	41.5	365.0000	--	1	584.0	0.6090	1	0.19	356	5.94	--	--
3/17/15	197.0	0.20 U	43.2	372.0000	--	0	586.0	0.5900	1	0.19	350	6.31	--	--
9/9/15	220.0	0.20 U	48.4	365.0000	--	--	572.0	0.5350	1	0.18	292	5.87	--	--
3/17/16	231.0	0.20 U	29.5	382.0000	--	0	576.0	0.4100	1	0.18	381	6.24	--	--
8/31/16	244.0	0.20 U	43.3	384.0000	--	--	560.0	0.3640	1	0.15	373	6.07	--	--
3/7/17	296.0	0.20 U	42.2	376.0000	--	--	592.0	0.2880	0	0.13	383	6.00	--	--
9/11/17	275.0	0.20 U	48.2	352.0000	--	1	670.0	0.2600	0	0.11	408	6.12	--	--
4/4/18	283.0	0.20 U	58.0	381.0000	--	--	588.0	0.2000 U	0	0.08	211	6.00	--	--
9/4/18	294.0	0.20 U	49.2	379.0000	--	--	307.0	0.2000 U	0	0.06	213	5.94	--	--
4/8/19	289.0	0.10 U	51.9	358.0000	--	1	600.0 B	0.2000 U	--	--	133	6.01	6.14	--
7/30/19	213.0	0.10 U	55.0	344.0000	--	1	586.0 B	0.2000 U	--	--	200	5.91	6.14	--
3/2/20	308.0	0.10 U	44.4	383.0000	--	0	554.0	0.3300	--	--	179	5.97	6.23	--
7/29/20	298.0	0.10 U	53.5	345.0000	--	1	584.0	0.2200	--	--	172	5.85	6.11	--

**Gude Landfill**  
**Monitoring Location OB06 - General Parameters**

Printed 10/24/20

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	1.6	--
9/4/01	--	--	--	--	--	--	--	--	3.4	--
3/12/02	--	--	--	--	--	--	--	--	2.4	--
9/16/02	--	--	--	--	--	--	--	--	3.1	--
6/2/03	--	--	--	--	--	--	0 U	--	1.7	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/24/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0 U	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0	--	--	--
10/2/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	82.9	--	--	1116	--	--	21.7	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	--	81.7	--	--	1784	--	--	3329.0	--

## Gude Landfill

Printed 10/24/20

### Monitoring Location OB06 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/19/11	--	--	85.7	--	--	1192	--	--	3800.0	--
9/7/11	--	--	93.7	--	--	960	--	--	--	--
3/6/12	--	--	76.8	--	--	1156	--	--	--	--
9/11/12	--	--	89.6	--	--	1224	--	--	--	--
3/27/13	1	--	86.5	--	12.5	1124	--	--	--	44.6
9/12/13	1537	--	101.0	--	13.5	1150	--	--	--	38.5
9/16/13	1	--	--	--	12.9	--	--	--	4.3	7.9
9/19/13	1	--	--	--	10.4	--	--	--	1.4	11.7
3/24/14	1567	--	89.8	--	12.9	982	--	--	--	206.0
9/2/14	1490	--	92.6	--	14.2	1034	--	--	--	58.9
3/17/15	313	--	89.9	--	12.6	970	--	--	--	35.5
9/9/15	1618	--	102.0	--	15.7	913	--	--	--	36.4
3/17/16	1625	--	99.3	--	14.1	979	--	--	--	20.1
8/31/16	1670	--	102.0	--	18.3	1080	--	--	--	66.9
3/7/17	1615	--	91.5	--	13.6	919	--	--	--	40.1
9/11/17	1803	--	99.4	--	13.8	1020	--	--	--	29.6
4/4/18	1668	--	74.2	--	12.3	1010	--	--	--	38.9
9/4/18	1832	--	82.7	--	24.4	1110	--	--	--	149.8
4/8/19	2099	1760	99.6	--	14.0	1140	--	22.3	9.1	29.9
7/30/19	1479	1720	124.0	--	14.6	1150	--	16.3	8.6	9.7
3/2/20	1618	1770	114.0	--	14.3	1040	--	21.2	11.4	11.4
7/29/20	1531	1840	96.2	--	16.4	1060	--	105.0	21.1	58.1

**Gude Landfill**  
**Monitoring Location OB06 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0005 U	0.0020 U	0.1469	0.0017 U	--	0.0020 U	--	0.0037	0.0026	0.0085	--	0.0020 U
9/4/01	0.0020 U	0.0020	0.1568	0.0017 U	--	0.0020 U	--	0.0012 U	0.0030	0.0089	--	0.0020 U
3/12/02	0.0005 U	0.0038	0.1545	0.0017 U	--	0.0020 U	--	0.0020 U	0.0029	0.0082	--	0.0020 U
9/16/02	0.0007 U	0.0125	0.1651	0.0004 U	--	0.0020	--	0.0043	0.0032	0.0098	--	0.0023
6/2/03	0.0014 U	0.0040 U	0.2120	0.0008 U	--	0.0040 U	--	0.0010 U	0.0045	0.0094	--	0.0040 U
10/8/03	0.0009 U	0.0020 U	0.1657	0.0016 U	--	0.0007 U	--	0.0005 U	0.0032	0.0100 U	--	0.0020 U
3/24/04	0.0009 U	0.0020 U	0.1792	0.0016 U	--	0.0007 U	--	0.0005 U	0.0043	0.0100 U	--	0.0020 U
9/21/04	0.0028 U	0.0020 U	0.1979	0.0012 U	--	0.0020 U	--	0.0020 U	0.0043	0.0125	--	0.0020 U
4/6/05	0.0028 U	0.0020 U	0.2335	0.0012 U	--	0.0020 U	--	0.0020 U	0.0039	0.0138	--	0.0006 U
9/21/05	0.0033	0.0020 U	0.1901	0.0012 U	--	0.0020 U	--	0.0020 U	0.0050	0.0204	--	0.0028
4/5/06	0.0012 U	0.0040 U	0.2245	0.0014 U	--	0.0040 U	--	0.0040 U	0.0047	0.0082	--	0.0020
9/26/06	0.0007 U	0.0030	0.2017	0.0009 U	--	0.0020 U	--	0.0104	0.0063	0.0192	--	0.0048
4/18/07	0.0034	0.0027	0.1950	0.0009 U	0.027	--	--	0.0020 U	0.0049	0.0083	--	0.0020 U
10/2/07	0.0070 U	0.0080 U	0.4262	0.0090 U	0.200 U	--	--	0.0768	0.0251	0.1077	--	0.0491
3/25/08	0.0005 U	0.0027	0.1607	0.0010 U	0.067	--	--	0.0020 U	0.0052	0.0096	--	0.0020 U
9/23/08	0.0010 U	0.0040 U	0.1700	0.0020 U	0.078	--	--	0.0016 U	0.0052	0.0101	--	0.0040 U
3/10/09	0.0010 U	0.0100 U	0.1941	0.0012 U	0.133	--	--	0.0127	0.0100 U	0.0117	--	0.0100 U
9/21/09	0.0020 U	0.0032	0.1960	0.0020 U	--	0.0020 U	148.0	0.0021	0.0059	0.0116	1.7	0.0020 U
7/26/10	0.0010 U	0.0037	0.2200	0.0008 J	--	0.0010 U	--	0.0250	0.0094	0.0430	--	0.0150
9/20/10	0.0050 U	0.0067	0.5070	0.0050 U	--	0.0050 U	126.0	0.1270	0.0326	0.2070	111.0	0.0503
4/19/11	0.0050 U	0.0050 U	0.5360	0.0050 U	--	0.0050 U	145.0 J	0.0199	0.0101	0.0444	15.5	0.0474
9/7/11	0.0050 U	0.0050 U	0.1950	0.0050 U	--	0.0050 U	137.5	0.0050 U	0.0050 U	0.0068	1.1	0.0050 U
3/6/12	0.0050 U	0.0050 U	0.2210	0.0050 U	--	0.0050 U	142.0	0.0133	0.0069	0.0309	12.2	0.0081

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB06 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/11/12	0.0050 U	0.0050 U	0.1900	0.0050 U	--	0.0050 U	148.0	0.0063	0.0066	0.0150	5.1	0.0050 U
3/27/13	0.0050 U	0.0050 U	0.1960	0.0050 U	--	0.0050 U	135.0	0.0050 U	0.0050 U	0.0158	1.2	0.0050 U
9/12/13	0.0050 U	0.0050 U	0.1800	0.0050 U	--	0.0050 U	136.0	0.0050 U	0.0050 U	0.0091	1.4	0.0050 U
9/16/13	0.0050 U	0.0006 J	0.1800	0.0010 U	--	0.0010 U	140.0	0.0010 U	0.0051	0.0036	10.0 U	0.0010 U
9/19/13	0.0050 U	0.0010 U	0.1700	0.0010 U	--	0.0010 U	140.0	0.0010 U	0.0052	0.0033	0.1	0.0010 U
3/24/14	0.0050 U	0.0050 U	0.2050	0.0050 U	--	0.0050 U	146.0	0.0073	0.0057	0.0164	7.3	0.0050 U
9/2/14	0.0050 U	0.0050 U	0.1930	0.0050 U	--	0.0050 U	130.0	0.0050 U	0.0050 U	0.0106	2.7	0.0050 U
3/17/15	0.0020 U	0.0047	0.1700	0.0020 U	--	0.0040 U	140.0	0.0100 U	0.0100 U	0.0051 J	0.6	0.0020 U
9/9/15	0.0010 U	0.0059	0.1700	0.0010 U	--	0.0005 U	140.0	0.0050 U	0.0050 J	0.0050 U	1.5	0.0010 U
3/17/16	0.0020 U	0.0027	0.1930	0.0020 U	--	0.0020 U	90.8	0.0027	0.0046	0.0050	1.0	0.0020 U
8/31/16	0.0050 U	0.0050 U	0.1990	0.0050 U	--	0.0050 U	136.0	0.0050 U	0.0050 U	0.0075	1.8	0.0050 U
3/7/17	0.0050 U	0.0050 U	0.1950	0.0050 U	--	0.0050 U	148.0	0.0050 U	0.0053	0.0138	1.9	0.0050 U
9/11/17	0.0050 U	0.0050 U	0.2010	0.0050 U	--	0.0050 U	144.0	0.0050 U	0.0051	0.0111	3.8	0.0050 U
4/4/18	0.0050 U	0.0050	0.1930	0.0050 U	--	0.0050 U	141.0	0.0050 U	0.0050 U	0.0061	1.1	0.0050 U
9/4/18	0.0050 U	0.0056	0.2020	0.0050 U	--	0.0050 U	73.2	0.0065	0.0057	0.0253	3.6	0.0050 U
4/8/19	0.0010 U	0.0010 U	0.1710	0.0010 U	--	0.0010 U	127.0	0.0053	0.0048	0.0067	0.8	0.0010 U
7/30/19	0.0010 U	0.0010 U	0.1720	0.0010 U	--	0.0010 U	132.0 B	0.0043	0.0047	0.0147	0.7	0.0010 U
3/2/20	0.0010 U	0.0010 U	0.1760	0.0010 U	--	0.0010 U	136.0	0.0028	0.0048	0.0070	1.4	0.0010 U
7/29/20	0.0010 U	0.0010 U	0.1810	0.0010 U	--	0.0010 U	127.0	0.0069	0.0052	0.0074	1.6	0.0011

**Gude Landfill**  
**Monitoring Location OB06 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.184	0.0002 U	0.0100 U	--	0.0035	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/4/01	--	0.210	0.0002 U	0.0100	--	0.0070	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/12/02	--	0.197	0.0002	0.0102	--	0.0123	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.189	0.0002	0.0117	--	0.0367	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
6/2/03	--	0.352	0.0002	0.0141	--	0.0087	0.0192 U	--	0.0020 U	0.0008 U	0.0006 U	--
10/8/03	--	0.254	0.0002 U	0.0086	--	0.0041	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
3/24/04	--	0.300	0.0002	0.0111	--	0.0050	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
9/21/04	--	0.386	0.0002	0.0118	--	0.0061	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	--	0.381	0.0002	0.0106	--	0.0060	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	--	0.416	0.0002	0.0126	--	0.0049	0.0200 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	--	0.418	0.0002	0.0138	--	0.0118	0.0008 U	--	0.0008 U	0.0050 U	0.0008 U	--
9/26/06	--	0.495	0.0002	0.0204	--	0.0088	--	--	0.0007 U	0.0050 U	0.0069	--
4/18/07	--	--	0.0002	0.0139	--	0.0094	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0360
10/2/07	--	--	0.0005	0.0805	--	0.0200 U	0.0050 U	--	0.0070 U	0.0020 U	0.0724	0.2789
3/25/08	--	--	0.0003	0.0129	--	0.0095	0.0020 U	--	0.0006 U	0.0500 U	0.0006 U	0.0310
9/23/08	--	--	0.0002	0.0129	--	0.0088	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0321
3/10/09	--	--	0.0002	0.0200	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0100 U	0.0414
9/21/09	56.600	0.482	0.0002	0.0166	4.82	0.0147	0.0020 U	83.3	0.0020 U	--	0.0010 U	0.0321
7/26/10	--	--	0.0019	0.0290	--	0.0010 U	0.0027	--	0.0010 U	0.0050 U	0.0250	0.0890
9/20/10	78.800	1.570	0.0015	0.1310	28.80	0.0230	0.0050 U	70.4	0.0050 U	--	0.1330	0.3720
4/19/11	63.000	0.862	0.0085	0.0245	6.20	0.0201	0.0050 U	80.3	0.0050 U	--	0.0213	0.0997
9/7/11	55.900	0.487	0.0009	--	4.72	0.0122	0.0050 U	81.0	0.0050 U	--	0.0050 U	0.0213
3/6/12	61.300	0.592	0.0005	0.0128	7.39	0.0121	0.0050 U	94.3	0.0050 U	--	0.0148	0.0545

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB06 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/11/12	61.100	0.589	0.0004	0.0126	5.52	0.0151	0.0050 U	88.7	0.0050 U	--	0.0050 U	0.0385
3/27/13	55.300	0.496	0.0002 U	0.0121	6.20	0.0169	0.0050 U	92.2	0.0050 U	--	0.0050 U	0.0210
9/12/13	54.700	0.481	0.0002 U	0.0112	4.75	0.0124	0.0050 U	87.3	0.0050 U	--	0.0050 U	0.0208
9/16/13	55.000	0.560	0.0001 J	--	4.30	0.0010 U	0.0010 U	95.0	0.0010 U	--	0.0050 U	2.0000 U
9/19/13	57.000	0.520	0.0002 J	--	3.90	0.0010 U	0.0010 U	98.0	0.0010 U	--	0.0050 U	0.0190 J
3/24/14	61.900	0.557	0.0005	0.0151	5.57	0.0117	0.0050 U	105.0	0.0050 U	--	0.0074	0.0357
9/2/14	55.500	0.494	0.0002 U	0.0129	4.68	0.0134	0.0050 U	91.0	0.0050 U	--	0.0050 U	0.0283
3/17/15	55.000	0.470	0.0002 U	0.0140	4.40	0.0140 J	0.0100 U	100.0	0.0020 U	--	0.0100 U	0.0190
9/9/15	58.000	0.580	0.0002	0.0100 U	5.10	0.0170	0.0010 U	110.0	0.0010 U	--	0.0050 U	0.0220
3/17/16	56.200	0.568	0.0002 U	0.0104	4.13	0.0121	0.0002	125.0	0.0010 U	--	0.0020 U	0.0128
8/31/16	56.700	0.558	0.0002 U	0.0112	4.35	0.0107	0.0050 U	108.0	0.0050 U	--	0.0050 U	0.0162
3/7/17	60.500	0.582	0.0002 U	0.0163	4.39	0.0211	0.0050 U	124.0	0.0050 U	--	0.0050	0.0194
9/11/17	59.000	0.677	0.0002 U	0.0130	4.89	0.0085	0.0050 U	120.0	0.0050 U	--	0.0050 U	0.0655
4/4/18	57.100	0.497	0.0002 U	0.0122	4.69	0.0131	0.0050 U	124.0	0.0050 U	--	0.0050 U	0.0270
9/4/18	30.200	0.627	0.0002	0.0202	4.83	0.0231	0.0050 U	66.8	0.0050 U	--	0.0050 U	0.0411
4/8/19	68.600	0.608	0.0003	0.0125	4.50	0.0010 U	0.0010 U	155.0	0.0010 U	--	0.0011	0.0205
7/30/19	62.400	0.626	0.0001	0.0112	4.20	0.0010 U	0.0010 U	139.0 B	0.0010 U	--	0.0010 U	0.0156
3/2/20	60.400	0.633	0.0002	0.0110	4.52	0.0010 U	0.0010 U	158.0	0.0010 U	--	0.0014	0.0182
7/29/20	65.100	0.672	0.0004	0.0130	4.83	0.0010 U	0.0010 U	145.0	0.0010 U	--	0.0017	0.0192

Gude Landfill

Printed 10/24/20

Monitoring Location OB06 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	1.00 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	1.00 U	1.00 U	0.20 U	1.0 U	0.17 U	0.21 U
3/24/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	2.93	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	1.00 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	11.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	2.76	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.5 U	0.13 U	0.15 U
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 10/24/20

Monitoring Location OB06 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.46	0.11 U	0.69	0.15 U	0.18 U	1.00 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/24/04	0.21 U	0.19 U	10.00 U	0.11 U	0.19	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	1.00 U	1.37	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	1.00 U	0.33 U	10.00 U	0.23 U	1.00 U	1.00 U	0.19 U	1.00 U	--	0.39 U	--	--	--	0.28 U	1.00 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	1.03	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
3/10/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	1.43	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.30 J	--	1 U	--	1.00 U	1.00 U	1.00 U
7/26/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	0.93 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/6/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.66	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	1.21	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.42	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.26	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.35	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.12	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.33	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.29	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.32	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/2/20	--	1.00 U	1.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/29/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	3.45	0.19 U	0.17 U	1.00 U	--	0.26 U
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	3.21	0.19 U	0.17 U	1.00 U	--	0.26 U
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.78	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.33	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	1.22	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	2.87	0.19 U	0.17 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	3.03	0.19 U	0.17 U	1.00 U	--	0.26 U
3/24/04	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.59	0.19 U	0.17 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.01	0.29 U	0.27 U	1.00 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.17	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	2.77	0.29 U	0.27 U	1.00 U	--	0.23 U
4/18/07	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.65	0.29 U	0.27 U	1.00 U	--	1.00 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	2.92	0.29 U	0.27 U	1.00 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.1 U	0.21 U	0.15 U	--	2.31	0.13 U	0.15 U	0.50 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.52	0.1 U	0.12 U	0.20 U	--	2.39	0.12 U	0.13 U	0.50 U	--	0.12 U
3/10/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.72	0.1 U	0.12 U	0.20 U	--	2.55	0.12 U	0.13 U	0.50 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	0.75 J	1.0 U	1.00 U	1.00 U	--	2.12	1.00 U	1.00 U	1.00 U	--	1.00 U
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.56 J	2.0 U	2.00 U	0.91 J	--	1.64 J	2.00 U	2.00 U	0.71 J	--	2.00 U



**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.60	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	--	1.65	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.21	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.41	1.0 U	1.00 U	1.00 U	--	1.39	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.05	1.0 U	1.00 U	1.00 U	--	1.28	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	--	1.21	1.00 U	1.00 U	1.00 U	--	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	--	1.21	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.61	1.0 U	1.00 U	1.00 U	--	1.34	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.48	1.0 U	1.00 U	1.00 U	--	1.12	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.77	1.0 U	1.00 U	1.00 U	--	1.26	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.55	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.78	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.11	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.0 U	1.00 U	1.00 U	1 U	1.30	1.00 U	1.00 U	--	5 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.40	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/27/01	--	0.30 U	0.28 U	0.17 U	--	--	1.00 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	1.00 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	1.00 U	2.91	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	1.00 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	1.00 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/8/03	--	0.30 U	1.00 U	0.17 U	--	--	1.00 U	0.21 U	1.00 U	0.23 U	0.27 U	1.00 U	1.00 U	0.21 U	0.21 U
3/24/04	--	0.30 U	0.28 U	0.17 U	--	--	1.00 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	1.00 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	0.28 U	--	--	1.00 U	1.00 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	1.00 U	2.00 U	1.00 U	--	--	0.25 U	1.00 U	1.64	1.00 U	1.00 U	1.10	1.00 U	0.25 U	1.00 U
10/2/07	--	0.13 U	0.40 U	0.28 U	--	--	1.00 U	1.00 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.50 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.50 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/10/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.50 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	0.40 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/26/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB06 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/9/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/2/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/29/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location OB06 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/27/01	1.00	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/4/01	1.23	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
3/12/02	1.52	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/16/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/2/03	1.81	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
10/8/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.17	--
3/24/04	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.09	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/6/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/5/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	1.11	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	1.15	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
10/2/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
3/25/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.50 U	0.07 U	--	0.22 U	--
9/23/08	0.70	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
3/10/09	0.90	0.12 U	0	0.14 U	0.13 U	--	0.53	0.10 U	--	0.18 U	--
9/21/09	0.60 J	1.00 U	--	1.00 U	1.00 U	1.00 U	0.46 J	1.00 U	--	1.00 U	--
7/26/10	0.60 J	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--

Gude Landfill

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Monitoring Location OB06 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/19/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/6/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/13	1.16	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/9/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	1.00 U	1.00 U	--	1.00 U	1.37	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/2/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/29/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location OB07A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.039	0.005 U	0.005 U	73.1	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	40.7	0.051	0.0002
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	0.005 U	0.005 U	0.041	0.005 U	0.005 U	88.8	0.01 U	0.01 U	0.006	0.4	0.005 U	52.0	0.049	0.0004
9/11/12	0.005 U	0.005 U	0.048	0.010 U	0.005 U	94.5	0.01 U	0.01 U	0.005 U	0.5	0.005 U	53.3	0.069	0.0008
3/27/13	0.005 U	0.005 U	0.045	0.005 U	0.005 U	92.6	0.01 U	0.01 U	0.011	0.6	0.005 U	50.2	0.061	0.0005
9/11/13	0.005 U	0.005 U	0.045	0.005 U	0.005 U	93.0	0.01 U	0.01 U	0.005 U	0.4	0.005 U	53.2	0.059	0.0006
3/24/14	0.005 U	0.005 U	0.047	0.005 U	0.005 U	105.0	0.01 U	0.01 U	0.005 U	0.5	0.005 U	59.3	0.055	0.0006
9/2/14	0.005 U	0.005 U	0.046	0.005 U	0.005 U	83.0	0.01 U	0.01 U	0.005 U	0.5	0.005 U	47.7	0.055	0.0005
3/17/15	0.002 U	0.003	0.039	0.002 U	0.004 U	86.0	0.01 U	0.01 U	0.001 J	0.0 U	0.002 U	51.0	0.031	0.0007
9/9/15	0.001 U	0.001 U	0.040	0.001 U	0.001 U	94.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	55.0	0.054	0.0008
3/17/16	0.002 U	0.002 U	0.040	0.002 U	0.002 U	56.6	0.00 U	0.00 U	0.002 U	0.3	0.002 U	26.9	0.119	0.0002 U
8/31/16	0.002 U	0.002 U	0.043	0.002 U	0.002 U	49.8	0.00 U	0.00 U	0.002 U	0.3	0.002 U	21.8	0.153	0.0002 U
3/7/17	0.002 U	0.003	0.052	0.002 U	0.002 U	113.0	0.00	0.00 U	0.003	0.6	0.002 U	63.8	0.067	0.0002 U
9/11/17	0.002 U	0.002 U	0.052	0.002 U	0.002 U	113.0	0.00	0.00 U	0.002 U	0.6	0.002 U	63.1	0.069	0.0002 U
4/4/18	0.002 U	0.005	0.054	0.002 U	0.002 U	111.0	0.01	0.00 U	0.003	0.1 U	0.002 U	59.3	0.096	0.0002 U
9/4/18	0.002 U	0.002	0.043	0.002 U	0.002 U	60.3	0.00	0.00 U	0.002 U	0.1 U	0.002 U	24.6	0.176	0.0002 U

Gude Landfill

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Monitoring Location OB07A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01 U	2.4	0.009	0.01 U	21.9	0.005 U	0.01 U	0.005 U
9/7/11	0.01 U	--	--	--	--	--	--	--
3/6/12	0.01 U	2.4	0.007	0.01 U	31.4	0.005 U	0.01 U	0.005 U
9/11/12	0.01	2.7	0.011	0.01 U	25.9	0.005 U	0.01 U	0.005 U
3/27/13	0.01 U	3.3	0.010	0.01 U	28.1	0.005 U	0.01 U	0.005 U
9/11/13	0.01	2.4	0.010	0.01 U	25.2	0.005 U	0.01 U	0.005 U
3/24/14	0.01 U	2.5	0.008	0.01 U	29.1	0.005 U	0.01 U	0.005 U
9/2/14	0.01 U	2.2	0.010	0.01 U	25.3	0.005 U	0.01 U	0.008
3/17/15	0.01 J	2.3	0.011 J	0.01 U	24.0	0.002 U	0.01 U	0.010 U
9/9/15	0.00 J	2.5	0.009	0.00 U	27.0	0.001 U	0.01 U	--
3/17/16	0.01	2.7	0.005	0.00 U	17.3	0.001 U	0.00 U	0.004
8/31/16	0.01	3.0	0.006	0.00 U	16.3	0.001 U	0.00 U	0.005
3/7/17	0.01	2.4	0.017	0.00 U	30.4	0.001 U	0.00	0.003
9/11/17	0.00	2.5	0.008	0.00 U	29.6	0.001 U	0.00 U	0.002 U
4/4/18	0.01	2.6	0.014	0.00 U	26.9	0.001 U	0.00 U	0.009
9/4/18	0.01	3.0	0.009	0.00 U	17.1	0.001 U	0.00 U	0.006

**Gude Landfill**  
**Monitoring Location OB07A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	94.1521	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	87.0069	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	96.7173	0.002	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	89.1421	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	102.9520	0.002 U	--	--	--	--	--	--	--	--	0.016
10/8/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
3/24/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.030
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.043
4/6/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.041
4/5/06	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.024
9/26/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.038
4/18/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.048
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.049
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	124.0	0.20 U	17.8	235.0000	--	--	420.0	0.8907	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/20/10	115.0	0.20 U	9.7 J	205.0000	--	--	350.0	0.9000	1	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB07A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/19/11	112.0	0.20 U	16.5	216.0000	--	--	390.0	0.9020	1	0.05 U	--	--	--	--
9/7/11	115.0	0.20 U	10.0	246.0000	--	--	424.0	0.8910	1	0.05 U	--	--	--	--
3/6/12	122.0	0.20 U	16.9	244.0000	--	--	408.0	0.9700	1	0.05 U	--	--	--	--
9/11/12	119.0	0.20 U	15.0	265.0000	--	--	436.0	0.9700	1	0.05 U	--	--	--	--
3/27/13	112.0	0.20 U	17.3	255.0000	--	0	420.0	1.0000	1	0.05 U	418	6.05	--	--
9/11/13	120.0	0.20 U	12.8	268.0000	--	0	448.0	1.0000	1	0.05 U	352	5.70	--	--
3/24/14	118.0	0.20 U	18.2	260.0000	--	0	450.0	0.9700	--	--	439	5.94	--	--
9/2/14	114.0	0.20 U	21.3	240.0000	--	2	416.0	0.9420	1	0.05 U	355	6.05	--	--
3/17/15	119.0	0.20 U	16.6	254.0000	--	0	434.0	1.0100	1	0.05 U	361	6.34	--	--
9/9/15	120.0	0.20 U	20.2	272.0000	--	1	436.0	1.0300	1	0.05 U	315	5.77	--	--
3/17/16	70.0	0.20 U	10.0 U	136.0000	--	3	252.0	0.3640	0	0.05 U	363	6.04	--	--
8/31/16	77.0	0.20 U	10.0 U	132.0000	--	2	226.0	0.3430	0	0.05 U	377	5.95	--	--
3/7/17	153.0	0.20 U	20.3	298.0000	--	--	240.0	0.9337	1	0.06	412	5.81	--	--
9/11/17	139.0	0.20 U	17.8	282.0000	--	0	532.0	0.9620	1	0.06	423	5.95	--	--
4/4/18	101.0	0.20 U	14.7	205.0000	--	--	350.0	0.5700	1	0.05 U	227	5.88	--	--
9/4/18	74.5	0.20 U	10.5	151.0000	--	--	253.0	0.4350	0	0.05 U	224	5.77	--	--
4/8/19	122.0	0.10 U	25.2	239.0000	--	2	411.0 B	0.2000 U	--	--	180	5.69	5.98	--
7/30/19	110.0	0.10 U	20.6	210.0000	--	1	318.0 B	1.5000	--	--	200	5.71	5.99	--
3/2/20	98.2	0.10 U	18.3	189.0000	--	3	407.0	1.4700	--	--	223	5.85	6.15	--
7/29/20	68.0	0.10 U	15.5	142.0000	--	2	226.0	0.5300	--	--	216	5.75	5.90	--

Gude Landfill

Monitoring Location OB07A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	0.3	--
9/4/01	--	--	--	--	--	--	--	--	1.0	--
3/12/02	--	--	--	--	--	--	--	--	1.3	--
9/16/02	--	--	--	--	--	--	--	--	2.4	--
6/2/03	--	--	--	--	--	--	0	--	5.2	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/24/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	22.4	--	--	784	--	--	0.3	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	--	21.6	--	--	1176	--	--	1.6	--

Gude Landfill

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Monitoring Location OB07A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/19/11	--	--	22.6 J	--	--	796	--	--	0.6	--
9/7/11	--	--	28.0	--	--	872	--	--	--	--
3/6/12	--	--	24.3	--	--	748	--	--	--	--
9/11/12	--	--	24.6	--	--	856	--	--	--	--
3/27/13	1	--	27.5	--	12.3	718	--	--	--	0.0
9/11/13	1016	--	31.0	--	14.4	774	--	--	--	0.8
3/24/14	997	--	30.6	--	12.1	590	--	--	--	1.0
9/2/14	909	--	28.4	--	14.2	752	--	--	--	0.0
3/17/15	857	--	29.7	--	15.2	606	--	--	--	0.0
9/9/15	1014	--	35.5	--	13.6	583	--	--	--	0.0
3/17/16	515	--	5.7	--	10.4	422	--	--	--	2.5
8/31/16	546	--	5.2	--	21.8	428	--	--	--	0.0
3/7/17	1129	--	42.4	--	12.8	624	--	--	--	0.0
9/11/17	1255	--	48.0	--	13.6	837	--	--	--	0.9
4/4/18	626	--	20.7	--	12.6	464	--	--	--	2.1
9/4/18	625	--	5.9	--	20.9	377	--	--	--	0.0
4/8/19	542	1050	40.7	--	12.8	771	--	2.6 U	1.1	2.3
7/30/19	526	938	31.5	--	13.5	775	--	2.3 U	0.6	0.0
3/2/20	557	817	20.9	--	12.6	539	--	2.5 U	0.5 U	0.0
7/29/20	574	643	7.1	--	18.5	407	--	6.9	2.0	2.7

**Gude Landfill**  
**Monitoring Location OB07A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.0340	0.0005 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0183	--	0.0020 U
9/4/01	0.0020 U	0.0007 U	0.0482	0.0017 U	--	0.0020 U	--	0.0020 U	0.0029	0.0149	--	0.0024
3/12/02	0.0005 U	0.0020 U	0.0415	0.0017 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0099	--	0.0020 U
9/16/02	0.0007 U	0.0036	0.0377	0.0004 U	--	0.0020 U	--	0.0074	0.0041	0.0152	--	0.0020 U
6/2/03	0.0007 U	0.0020 U	0.0438	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0086	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.0469	0.0016 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0020 U
3/24/04	0.0009 U	0.0008 U	0.0439	0.0016 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0020 U
9/21/04	0.0028 U	0.0006 U	0.0248	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0153	--	0.0020 U
4/6/05	0.0028 U	0.0006 U	0.0529	0.0012 U	--	0.0003 U	--	0.0020 U	0.0005 U	0.0138	--	0.0006 U
9/21/05	0.0028 U	0.0006 U	0.0270	0.0012 U	--	0.0020 U	--	0.0007 U	0.0020 U	0.0129	--	0.0020 U
4/5/06	0.0006 U	0.0020 U	0.0616	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0114	--	0.0027
9/26/06	0.0007 U	0.0008 U	0.0265	0.0009 U	--	0.0006 U	--	0.0007 U	0.0005 U	0.0051	--	0.0007 U
4/18/07	0.0007 U	0.0008 U	0.0313	0.0009 U	0.020 U	--	--	0.0007 U	0.0005 U	0.0055	--	0.0007 U
10/2/07	0.0020 U	0.0020 U	0.0506	0.0009 U	0.020 U	--	--	0.0020 U	0.0025	0.0113	--	0.0020 U
3/25/08	0.0005 U	0.0020 U	0.0643	0.0010 U	0.020 U	--	--	0.0020 U	0.0027	0.0092	--	0.0010 U
9/23/08	0.0010 U	0.0012 U	0.0864	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0116	--	0.0040 U
3/10/09	0.0010 U	0.0010 U	0.0419	0.0024 U	0.050 U	--	--	0.0013 U	0.0014 U	0.0200 U	--	0.0007 U
9/21/09	0.0020 U	0.0020 U	0.0431	0.0020 U	--	0.0020 U	91.8	0.0020 U	0.0005 U	0.0058	0.2	0.0020 U
7/26/10	0.0010 U	0.0010 U	0.0310	0.0010 U	--	0.0010 U	--	0.0010	0.0015	0.0029	--	0.0010 U
9/20/10	0.0050 U	0.0050 U	0.0370	0.0050 U	--	0.0050 U	72.0	0.0050 U	0.0050 U	0.0078	0.5	0.0050 U
4/19/11	0.0050 U	0.0050 U	0.0401	0.0050 U	--	0.0050 U	86.5	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U
9/7/11	0.0050 U	0.0050 U	0.0432	0.0050 U	--	0.0050 U	90.0	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
3/6/12	0.0050 U	0.0050 U	0.0405	0.0050 U	--	0.0050 U	82.9	0.0050 U	0.0050 U	0.0059	0.5	0.0050 U

**Gude Landfill**  
**Monitoring Location OB07A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/11/12	0.0050 U	0.0050 U	0.0485	0.0050 U	--	0.0050 U	94.3	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
3/27/13	0.0050 U	0.0050 U	0.0450	0.0050 U	--	0.0050 U	87.3	0.0050 U	0.0050 U	0.0116	0.6	0.0050 U
9/11/13	0.0050 U	0.0050 U	0.0455	0.0050 U	--	0.0050 U	93.6	0.0050 U	0.0050 U	0.0055	0.4	0.0050 U
3/24/14	0.0050 U	0.0050 U	0.0458	0.0050 U	--	0.0050 U	93.5	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
9/2/14	0.0050 U	0.0050 U	0.0463	0.0050 U	--	0.0050 U	80.2	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
3/17/15	0.0020 U	0.0028	0.0430	0.0020 U	--	0.0040 U	87.0	0.0033 J	0.0100 U	0.0020 J	0.0 U	0.0020 U
9/9/15	0.0010 U	0.0036	0.0390	0.0010 U	--	0.0005 U	92.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U
3/17/16	0.0020 U	0.0020 U	0.0401	0.0020 U	--	0.0020 U	50.1	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U
8/31/16	0.0020 U	0.0020 U	0.0410	0.0020 U	--	0.0020 U	49.0	0.0020 U	0.0020 U	0.0020 U	0.4	0.0020 U
3/7/17	0.0020 U	0.0028	0.0523	0.0020 U	--	0.0020 U	109.0	0.0028	0.0020 U	0.0028	0.6	0.0020 U
9/11/17	0.0020 U	0.0020 U	0.0535	0.0020 U	--	0.0020 U	114.0	0.0020 U	0.0020 U	0.0020 J	0.6	0.0020 U
4/4/18	0.0020 U	0.0034	0.0543	0.0020 U	--	0.0020 U	77.5	0.0046	0.0020 U	0.0093	0.1	0.0020 U
9/4/18	0.0020 U	0.0020 U	0.0460	0.0020 U	--	0.0020 U	60.3	0.0021	0.0020 U	0.0020 U	0.1	0.0020 U
4/8/19	0.0010 U	0.0010 U	0.0438	0.0010 U	--	0.0010 U	73.2	0.0010 U	0.0010 U	0.0026	0.1 U	0.0010 U
7/30/19	0.0010 U	0.0010 U	0.0410	0.0010 U	--	0.0010 U	63.7 B	0.0015	0.0011	0.0037	0.1 U	0.0010 U
3/2/20	0.0010 U	0.0010 U	0.0464	0.0010 U	--	0.0010 U	78.6	0.0010 U	0.0011	0.0010 U	0.0 J	0.0010 U
7/29/20	0.0010 U	0.0010 U	0.0445	0.0010 U	--	0.0010 U	47.9	0.0021	0.0091	0.0065	0.1	0.0010 U

**Gude Landfill**  
**Monitoring Location OB07A - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.317	0.0017	0.0056	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	0.815	0.0023	0.0116	--	0.0022	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/12/02	--	0.275	0.0011	0.0100 U	--	0.0034	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	1.076	0.0025	0.0136	--	0.0103	0.0096 U	--	0.0010 U	0.0020 U	0.0003 U	--
6/2/03	--	0.170	0.0006	0.0068	--	0.0024	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.090	0.0003	0.0043	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
3/24/04	--	0.305	0.0004	0.0047	--	0.0020 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/21/04	--	0.044	0.0003	0.0024	--	0.0022	0.0018 U	--	0.0006 U	0.0003 U	0.0004 U	--
4/6/05	--	0.024	0.0003	0.0025	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	--	0.204	0.0005	0.0037	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	--	0.117	0.0002	0.0044	--	0.0042	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/26/06	--	0.069	0.0009	0.0023	--	0.0020	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	--	0.0007	0.0039	--	0.0034	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0065
10/2/07	--	--	0.0005	0.0059	--	0.0044	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0086
3/25/08	--	--	0.0005	0.0043	--	0.0032	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	--	0.0004	0.0041	--	0.0040 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/10/09	--	--	0.0009	0.0200 U	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0015 U	0.0100 U
9/21/09	51.200	0.059	0.0010	0.0060	2.66	0.0083	0.0020 U	30.2	0.0020 U	--	0.0020 U	0.0100 U
7/26/10	--	--	0.0012	0.0036	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0110
9/20/10	41.600	0.095	0.0005	0.0050 U	2.56	0.0064	0.0050 U	26.1	0.0050 U	--	0.0050 U	0.0079
4/19/11	49.300 J	0.070	0.0008	0.0050 U	2.30	0.0095	0.0050 U	25.6 J	0.0050 U	--	0.0050 U	0.0052
9/7/11	52.500	0.072	0.0006	--	2.44	0.0094	0.0050 U	26.3	0.0050 U	--	0.0050 U	0.0050 U
3/6/12	48.300	0.068	0.0011	0.0050 U	2.45	0.0059	0.0050 U	28.6	0.0050 U	--	0.0050 U	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB07A - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/11/12	50.200	0.089	0.0012	0.0050 U	2.80	0.0084	0.0050 U	24.8	0.0050 U	--	0.0050 U	0.0057
3/27/13	48.900	0.075	0.0007	0.0050 U	3.12	0.0087	0.0050 U	27.1	0.0050 U	--	0.0050 U	0.0050 U
9/11/13	51.900	0.070	0.0007	0.0102	2.55	0.0089	0.0050 U	24.9	0.0050 U	--	0.0050 U	0.0066
3/24/14	52.900	0.067	0.0008	0.0050 U	2.45	0.0069	0.0050 U	26.1	0.0050 U	--	0.0050 U	0.0050 U
9/2/14	46.000	0.076	0.0007	0.0050 U	2.25	0.0093	0.0050 U	24.2	0.0050 U	--	0.0050 U	0.0083
3/17/15	50.000	0.094	0.0010	0.0090 J	2.40	0.0110 J	0.0100 U	24.0	0.0020 U	--	0.0100 U	0.0100 U
9/9/15	53.000	0.052	0.0008	0.0100 U	2.50	0.0130	0.0010 U	27.0	0.0010 U	--	0.0050 U	0.0050 U
3/17/16	21.900	0.153	0.0002 U	0.0054	2.76	0.0045	0.0001 U	16.0	0.0010 U	--	0.0020 U	0.0052
8/31/16	22.200	0.202	0.0002 U	0.0053	3.00	0.0046	0.0020 U	16.4	0.0010 U	--	0.0020 U	0.0052
3/7/17	60.000	0.086	0.0004	0.0072	2.40	0.0140	0.0020 U	28.9	0.0010 U	--	0.0024	0.0025
9/11/17	63.500	0.097	0.0005	0.0042	2.47	0.0082	0.0020 U	29.8	0.0010 U	--	0.0020 U	0.0023
4/4/18	37.900	0.236	0.0002	0.0080	3.32	0.0096	0.0020 U	22.7	0.0010 U	--	0.0020 U	0.0174
9/4/18	24.900	0.224	0.0002 U	0.0063	3.11	0.0061	0.0020 U	17.3	0.0010 U	--	0.0020 U	0.0082
4/8/19	55.500	0.072	0.0009	0.0031	2.32	0.0010 U	0.0010 U	28.5	0.0010 U	--	0.0010 U	0.0040 U
7/30/19	38.700	0.128	0.0004	0.0042	2.46	0.0010 U	0.0010 U	22.2 B	0.0010 U	--	0.0010 U	0.0079
3/2/20	51.300	0.142	0.0007	0.0040	2.69	0.0010 U	0.0010 U	26.9	0.0010 U	--	0.0010 U	0.0040 U
7/29/20	25.900	0.511	0.0001	0.0065	3.01	0.0010 U	0.0010 U	18.8	0.0010 U	--	0.0010 U	0.0070

Gude Landfill

Printed 10/24/20

Monitoring Location OB07A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/4/01	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	2.31	0.21 U	1.00 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	0.17 U	0.21 U
3/24/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	11.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.5 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U



Gude Landfill

Printed 10/24/20

Monitoring Location OB07A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.82	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB07A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	1.00 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	0.27	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/24/04	0.21 U	0.19 U	10.00 U	0.11 U	0.22	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	0.23 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/10/09	0.11 U	0.13 U	0.82	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	0.78 J	1.00 U	0.32 J	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	1.00 U	1.00 U	1.00 U
7/26/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location OB07A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/6/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.23	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	2.18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.40	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/2/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/29/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.46	0.19 U	0.17 U	1.00 U	--	0.26 U
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.50	0.19 U	0.17 U	1.00 U	--	0.26 U
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	3.43	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.06	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.56	0.19 U	0.17 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.66	0.19 U	0.17 U	1.00 U	--	0.26 U
3/24/04	0.18 U	0.14 U	1.00 U	1.06	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	1.67	0.19 U	0.17 U	1.00 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	8.93	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.25	0.29 U	0.27 U	1.00 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.01	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.45	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.05	0.29 U	0.27 U	1.00 U	--	0.23 U
9/26/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.60	0.29 U	0.27 U	1.00 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.02	0.29 U	0.27 U	1.00 U	--	0.23 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.02	0.29 U	0.27 U	1.00 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	2.09	0.13 U	0.15 U	0.50 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.85	0.12 U	0.13 U	0.50 U	--	0.12 U
3/10/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.50 U	0.1 U	0.12 U	0.20 U	--	3.51	0.12 U	0.13 U	0.51	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.00	1.00 U	1.00 U	0.59 J	--	1.00 U
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	1.20 J	--	1.80 J	2.00 U	2.00 U	1.07 J	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.18	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.58	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.17	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.55	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.74	1.00 U	1.00 U	1.00 U	--	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.73	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.37	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.26	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.02	1.0 U	1.00 U	1.00 U	--	2.28	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.89	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.50	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.29	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.50	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.90	1.00 U	1.00 U	--	5 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.30	1.00 U	1.00 U	--	5 U	1.00 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.60	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/27/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.89	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	0.21 U
10/8/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/24/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	0.28 U	--	--	1.00 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/2/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/10/09	--	0.12 U	0.23 U	--	--	1.25 U	0.69	0.50 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	0.52 J	0.42 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/26/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	5.80	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/9/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/2/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/29/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

**Gude Landfill**  
**Monitoring Location OB07A - Volatile Organic Compounds**

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/27/01	2.28	0.24 U	--	0.22 U	0.13 U	0.14 U	1.02	0.18 U	--	--	--
9/4/01	3.36	0.24 U	--	0.22 U	0.13 U	0.14 U	1.24	1.00 U	--	--	--
3/12/02	4.64	0.24 U	--	0.22 U	0.13 U	0.14 U	1.61	1.00 U	--	--	--
9/16/02	1.95	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	--
6/2/03	3.49	0.24 U	--	0.22 U	0.13 U	0.14 U	1.09	1.00 U	--	--	--
10/8/03	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	1.22	1.00 U	--	0.07	--
3/24/04	1.23	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	1.00 U	--	0.11	--
9/21/04	1.41	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/6/05	1.75	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
9/21/05	1.15	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/5/06	1.41	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
9/26/06	2.56	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	1.59	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
10/2/07	1.46	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
3/25/08	1.91	0.28 U	0	0.22 U	0.08 U	--	0.59	0.50 U	--	0.22 U	--
9/23/08	2.12	0.12 U	0	0.14 U	0.13 U	--	0.63	0.10 U	--	0.18 U	--
3/10/09	2.66	0.12 U	0	0.14 U	0.13 U	--	0.93	0.50 U	--	0.18 U	--
9/21/09	1.81	1.00 U	--	1.00 U	1.00 U	1.00 U	0.87 J	1.00 U	--	1.00 U	--
7/26/10	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	0.80 J	1.00 U	1 U	1.00 U	--
9/20/10	1.82 J	2.00 U	--	2.00 U	2.00 U	2.00 U	0.88 J	2.00 U	2 U	2.00 U	--



Gude Landfill

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Monitoring Location OB07A - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/19/11	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	23.00	1.00 U	--	1.00 U	1.00 U	5.00 U	21.00	1.00 U	1 U	1.00 U	1 U
3/6/12	2.00	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/13	2.06	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	1.99	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.83	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.40	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.20	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/9/15	1.43	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.34	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	1.45	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	1.32	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.08	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.26	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.05	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.40	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/2/20	1.20	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/29/20	1.20	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location OB07 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.005 U	0.026	0.005 U	0.005 U	101.0	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	30.6	0.040	0.0002 U
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	0.005 U	0.005 U	0.024	0.005 U	0.005 U	114.0	0.01 U	0.01 U	0.005	0.5	0.005 U	36.6	0.034	0.0002 U
9/11/12	0.005 U	0.005 U	0.027	0.010 U	0.005 U	113.0	0.01 U	0.01 U	0.005 U	0.6	0.005 U	34.8	0.040	0.0004
3/27/13	0.005 U	0.005 U	0.029	0.005 U	0.005 U	114.0	0.01 U	0.01 U	0.013	0.7	0.005 U	34.0	0.041	0.0003
9/11/13	0.005 U	0.005 U	0.029	0.005 U	0.005 U	120.0	0.01 U	0.01 U	0.005 U	0.5	0.005 U	37.5	0.039	0.0004
3/24/14	0.005 U	0.005 U	0.029	0.005 U	0.005 U	128.0	0.01 U	0.01 U	0.005 U	0.7	0.005 U	40.7	0.039	0.0003
9/2/14	0.005 U	0.005 U	0.034	0.005 U	0.005 U	126.0	0.01 U	0.01 U	0.005 U	0.7	0.005 U	40.7	0.040	0.0004
3/17/15	0.002 U	0.003	0.035	0.002 U	0.004 U	130.0	0.01 U	0.01 U	0.003 J	0.0 U	0.002 U	36.0	0.110	0.0002 U
9/9/15	0.001 U	0.001 U	0.026	0.001 U	0.001 U	140.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	39.0	0.062	0.0003
3/17/16	0.002 U	0.002 U	0.028	0.002 U	0.002 U	127.0	0.00 U	0.00 U	0.002	0.8	0.002 U	38.9	0.076	0.0002 U
8/31/16	0.002 U	0.003	0.030	0.002 U	0.002 U	127.0	0.00 U	0.00 U	0.002	0.7	0.002 U	38.6	0.093	0.0002 U
3/7/17	0.002 U	0.002	0.034	0.002 U	0.002 U	127.0	0.00	0.00 U	0.003	0.7	0.002 U	39.8	0.113	0.0002 U
9/11/17	0.002 U	0.002 U	0.030	0.002 U	0.002 U	127.0	0.00 U	0.00 U	0.002 U	0.6	0.002 U	38.7	0.110	0.0002 U
4/4/18	0.002 U	0.003	0.034	0.002 U	0.002 U	126.0	0.00	0.00 U	0.002 U	0.1 U	0.002 U	37.9	0.102	0.0002 U
9/4/18	0.002 U	0.003	0.026	0.002 U	0.002 U	147.0	0.00	0.00 U	0.003	0.1 U	0.002 U	42.9	0.056	0.0002 U

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Monitoring Location OB07 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.01 U	3.3	0.008	0.01 U	19.4	0.005 U	0.01 U	0.005 U
9/7/11	0.01 U	--	--	--	--	--	--	--
3/6/12	0.01 U	3.1	0.006	0.01 U	26.1	0.005 U	0.01 U	0.005 U
9/11/12	0.01 U	3.5	0.008	0.01 U	20.7	0.005 U	0.01 U	0.005 U
3/27/13	0.01 U	4.5	0.008	0.01 U	22.7	0.005 U	0.01 U	0.005 U
9/11/13	0.01	3.2	0.008	0.01 U	20.6	0.005 U	0.01 U	0.005 U
3/24/14	0.01 U	3.4	0.007	0.01 U	22.3	0.005 U	0.01 U	0.005 U
9/2/14	0.01 U	3.5	0.010	0.01 U	22.8	0.005 U	0.01 U	0.008
3/17/15	0.01 U	3.5	0.010 U	0.01 U	21.0	0.002 U	0.01 U	0.010 U
9/9/15	0.01 U	3.8	0.008	0.00 U	22.0	0.001 U	0.01 U	0.005 U
3/17/16	0.00	3.2	0.007	0.00 U	21.7	0.001 U	0.00 U	0.002 U
8/31/16	0.00	3.4	0.009	0.00 U	23.0	0.001 U	0.00 U	0.002 U
3/7/17	0.00	3.2	0.012	0.00 U	22.7	0.001 U	0.00	0.003
9/11/17	0.00 U	3.3	0.006	0.00 U	21.9	0.001 U	0.00 U	0.002
4/4/18	0.00	3.2	0.009	0.00 U	21.7	0.001 U	0.00 U	0.002
9/4/18	0.00	3.4	0.012	0.00 U	22.3	0.001 U	0.00 U	0.002 U

**Gude Landfill**  
**Monitoring Location OB07 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	76.9260	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	75.2252	0.005	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	84.9507	0.002	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	79.5643	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	102.3990	0.002 U	--	--	--	--	--	--	--	--	0.010 U
10/8/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
3/24/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.001 U
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010
9/26/06	--	--	--	--	0.001 U	--	--	--	--	--	--	--	--	0.027
4/18/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.011
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.069
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	163.0	0.20 U	7.0 J	150.0000	--	--	331.0	0.5482	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/20/10	184.0	0.20 U	10.0 U	171.0000	--	--	360.0	0.6580	1	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB07 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/19/11	175.0	0.20 U	14.0	193.0000 J	--	--	407.0	0.8610	1	0.05 U	--	--	--	--
9/7/11	169.0	0.20 U	5.2	194.0000	--	--	409.0	0.8190	1	0.05 U	--	--	--	--
3/6/12	176.0	0.20 U	11.7	199.0000	--	--	412.0	0.8232	1	0.05	--	--	--	--
9/11/12	172.0	0.20 U	10.0 U	202.0000	--	--	410.0	0.8309	1	0.06	--	--	--	--
3/27/13	178.0	0.20 U	11.2	222.0000	--	0	434.0	0.8996	1	0.06	379	6.74	--	--
9/11/13	181.0	0.20 U	10.0 U	223.0000	--	0	452.0	0.9600	1	0.05 U	353	6.41	--	--
3/24/14	191.0	0.20 U	14.3	226.0000	--	1	494.0	0.9667	--	--	461	6.58	--	--
9/2/14	196.0	0.20 U	15.9	243.0000	--	1	508.0	1.0000	1	0.05 U	356	6.65	--	--
3/17/15	184.0	0.20 U	11.3	206.0000	--	0	450.0	0.8460	1	0.05 U	374	6.63	--	--
9/9/15	200.0	0.20 U	13.8	235.0000	--	--	488.0	0.9093	1	0.06	287	6.64	--	--
3/17/16	198.0	0.20 U	10.0 U	236.0000	--	0	464.0	0.8753	1	0.07	339	6.86	--	--
8/31/16	204.0	0.20 U	12.0	224.0000	--	--	476.0	0.7904	1	0.05	403	6.47	--	--
3/7/17	187.0	0.20 U	12.9	214.0000	--	--	440.0	0.7320	1	0.05 U	354	6.59	--	--
9/11/17	200.0	0.20 U	13.8	209.0000	--	--	492.0	0.7540	1	0.05	450	6.62	--	--
4/4/18	188.0	0.20 U	19.6	213.0000	--	--	464.0	0.7530	1	0.05 U	264	6.65	--	--
9/4/18	212.0	0.20 U	17.7	250.0000	--	--	361.0	0.8500	1	0.06	195	6.67	--	--
4/8/19	221.0	0.10 U	21.1	230.0000	--	0	527.0 B	0.2000 U	--	--	145	6.62	6.73	--
7/30/19	214.0	0.10 U	31.8	229.0000	--	0	525.0 B	1.4000	--	--	200	6.44	6.59	--
3/2/20	220.0	0.12	3.0 U	242.0000	--	1	491.0	1.6100	--	--	181	6.42	6.68	--
7/29/20	195.0	0.10 U	23.5	232.0000	--	1	492.0	0.6100	--	--	127	6.86	6.64	--

Gude Landfill

Monitoring Location OB07 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	0.9	--
9/4/01	--	--	--	--	--	--	--	--	1.1	--
3/12/02	--	--	--	--	--	--	--	--	0.4	--
9/16/02	--	--	--	--	--	--	--	--	3.4	--
6/2/03	--	--	--	--	--	--	0 U	--	3.5	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/24/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	--	0	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	13.4	--	--	644	--	--	0.3	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	--	19.2	--	--	1068	--	--	40.7	--

Gude Landfill

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Monitoring Location OB07 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/19/11	--	--	20.4 J	--	--	800	--	--	0.9	--
9/7/11	--	--	21.0	--	--	984	--	--	--	--
3/6/12	--	--	20.2	--	--	708	--	--	--	--
9/11/12	--	--	23.0	--	--	828	--	--	--	--
3/27/13	1	--	24.1	--	12.4	666	--	--	--	42.5
9/11/13	993	--	24.6	--	13.8	724	--	--	--	0.0
3/24/14	1025	--	27.9	--	12.4	624	--	--	--	1.2
9/2/14	1057	--	32.5	--	13.6	824	--	--	--	0.3
3/17/15	874	--	26.9	--	14.4	636	--	--	--	24.1
9/9/15	1048	--	29.5	--	13.8	625	--	--	--	5.0
3/17/16	1018	--	28.8	--	12.6	791	--	--	--	14.1
8/31/16	1031	--	30.2	--	16.0	807	--	--	--	19.8
3/7/17	950	--	29.1	--	14.3	527	--	--	--	27.1
9/11/17	982	--	32.8	--	13.2	742	--	--	--	15.7
4/4/18	923	--	29.2	--	13.3	605	--	--	--	20.3
9/4/18	1135	--	31.7	--	14.2	728	--	--	--	10.9
4/8/19	1420	1190	41.4	--	13.1	923	--	2.6 U	1.4	2.3
7/30/19	1009	1200	47.0	--	13.6	1020	--	5.7	1.1	0.0
3/2/20	1036	1180	46.2	--	12.7	849	--	6.2	5.1	0.9
7/29/20	994	1220	38.7	--	15.9	709	--	11.6	5.1	6.9

**Gude Landfill**  
**Monitoring Location OB07 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0020 U	0.0005 U	0.0404	0.0005 U	--	0.0037	--	0.0039	0.0007 U	0.0100 U	--	0.0013 U
9/4/01	0.0020 U	0.0007 U	0.0485	0.0017 U	--	0.0020 U	--	0.0020 U	0.0004 U	0.0086	--	0.0020 U
3/12/02	0.0005 U	0.0020 U	0.0471	0.0017 U	--	0.0006 U	--	0.0039	0.0004 U	0.0067	--	0.0020 U
9/16/02	0.0007 U	0.0024	0.0588	0.0004 U	--	0.0020 U	--	0.0049	0.0020 U	0.0073	--	0.0020 U
6/2/03	0.0020 U	0.0020 U	0.0561	0.0004 U	--	0.0020 U	--	0.0020 U	0.0004 U	0.0087	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.0507	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.0004 U
3/24/04	0.0009 U	0.0008 U	0.0598	0.0016 U	--	0.0007 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.0020 U
9/21/04	0.0028 U	0.0006 U	0.0815	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0108	--	0.0020 U
4/6/05	0.0028 U	0.0006 U	0.0658	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0100 U	--	0.0006 U
9/21/05	0.0028 U	0.0006 U	0.0831	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0129	--	0.0020 U
4/5/06	0.0006 U	0.0020 U	0.0938	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0050	--	0.0020 U
9/26/06	0.0007 U	0.0008 U	0.0172	0.0009 U	--	0.0006 U	--	0.0007 U	0.0005 U	0.0057	--	0.0020 U
4/18/07	0.0007 U	0.0020 U	0.0928	0.0009 U	0.020 U	--	--	0.0007 U	0.0005 U	0.0053	--	0.0007 U
10/2/07	0.0020 U	0.0020 U	0.0903	0.0009 U	0.020 U	--	--	0.0034	0.0020 U	0.0137	--	0.0031
3/25/08	0.0005 U	0.0006 U	0.0511	0.0010 U	0.020 U	--	--	0.0008 U	0.0012 U	0.0033	--	0.0010 U
9/23/08	0.0010 U	0.0012 U	0.0406	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0080	--	0.0040 U
3/10/09	0.0010 U	0.0010 U	0.0252	0.0012 U	0.050 U	--	--	0.0007 U	0.0007 U	0.0100 U	--	0.0007 U
9/21/09	0.0020 U	0.0020 U	0.0250	0.0020 U	--	0.0020 U	99.5	0.0020 U	0.0020 U	0.0062	0.3	0.0020 U
7/26/10	0.0010 U	0.0005 U	0.0190	0.0010 U	--	0.0010 U	--	0.0010	0.0010 U	0.0024	--	0.0010 U
9/20/10	0.0050 U	0.0050 U	0.0333	0.0050 U	--	0.0050 U	102.0	0.0050 U	0.0050 U	0.0132	2.1	0.0050 U
4/19/11	0.0050 U	0.0050 U	0.0256	0.0050 U	--	0.0050 U	114.0 U	0.0050 U	0.0050 U	0.0050 U	1.1	0.0050 U
9/7/11	0.0050 U	0.0050 U	0.0257	0.0050 U	--	0.0050 U	112.5	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U
3/6/12	0.0050 U	0.0050 U	0.0261	0.0050 U	--	0.0050 U	108.0	0.0050 U	0.0050 U	0.0091	1.0	0.0050 U



**Gude Landfill**  
**Monitoring Location OB07 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/11/12	0.0050 U	0.0050 U	0.0265	0.0050 U	--	0.0050 U	113.0	0.0050 U	0.0050 U	0.0056	0.8	0.0050 U
3/27/13	0.0050 U	0.0050 U	0.0338	0.0050 U	--	0.0050 U	115.0	0.0050 U	0.0050 U	0.0135	1.8	0.0050 U
9/11/13	0.0050 U	0.0050 U	0.0287	0.0050 U	--	0.0050 U	123.0	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U
3/24/14	0.0050 U	0.0050 U	0.0290	0.0050 U	--	0.0050 U	127.0	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U
9/2/14	0.0050 U	0.0050 U	0.0325	0.0050 U	--	0.0050 U	124.0	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U
3/17/15	0.0020 U	0.0021	0.0380	0.0020 U	--	0.0040 U	130.0	0.0100 U	0.0100 U	0.0052 J	0.8	0.0013 J
9/9/15	0.0010 U	0.0029	0.0240	0.0010 U	--	0.0005 U	130.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U
3/17/16	0.0020 U	0.0020 U	0.0285	0.0020 U	--	0.0020 U	131.0	0.0020 U	0.0020 U	0.0025	0.9	0.0020 U
8/31/16	0.0020 U	0.0020 U	0.0288	0.0020 U	--	0.0020 U	128.0	0.0020 U	0.0020 U	0.0028	1.1	0.0020 U
3/7/17	0.0050 U	0.0050 U	0.0427	0.0050 U	--	0.0050 U	125.0	0.0050 U	0.0050 U	0.0050 U	1.3	0.0050 U
9/11/17	0.0050 U	0.0050 U	0.0360	0.0050 U	--	0.0050 U	131.0	0.0050 U	0.0050 U	0.0059	0.9	0.0050 U
4/4/18	0.0050 U	0.0050 U	0.0404	0.0050 U	--	0.0050 U	126.0	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U
9/4/18	0.0050 U	0.0050 U	0.0306	0.0050 U	--	0.0050 U	73.4	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U
4/8/19	0.0010 U	0.0010 U	0.0366	0.0010 U	--	0.0010 U	127.0	0.0010 U	0.0010 U	0.0023	0.1 U	0.0010 U
7/30/19	0.0010 U	0.0010 U	0.0472	0.0010 U	--	0.0010 U	133.0 B	0.0020	0.0010 U	0.0066	0.1 U	0.0010 U
3/2/20	0.0010 U	0.0010 U	0.0382	0.0010 U	--	0.0010 U	130.0	0.0018	0.0010 U	0.0018	0.2	0.0010 U
7/29/20	0.0010 U	0.0010 U	0.0898	0.0010 U	--	0.0010 U	124.0	0.0043	0.0010 U	0.0109	0.3	0.0010 U

**Gude Landfill**  
**Monitoring Location OB07 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.017	0.0002 U	0.0020 U	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0020 U	--
9/4/01	--	0.007	0.0001 U	0.0030 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/12/02	--	0.005	0.0001 U	0.0030 U	--	0.0032	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.034	0.0001 U	0.0031	--	0.0089	0.0096 U	--	0.0010 U	0.0020 U	0.0003 U	--
6/2/03	--	0.009	0.0002 U	0.0020 U	--	0.0025	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.010 U	0.0002 U	0.0020 U	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/24/04	--	0.010 U	0.0002 U	0.0020 U	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/21/04	--	0.004	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	--	0.004	0.0001 U	0.0009 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.023	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	--	0.077	0.0001 U	0.0022	--	0.0042	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/26/06	--	0.048	0.0003	0.0020 U	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	--	0.0002 U	0.0024	--	0.0029	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0075
10/2/07	--	--	0.0002 U	0.0056	--	0.0054	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0230
3/25/08	--	--	0.0002 U	0.0022	--	0.0028	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	--	0.0002 U	0.0040 U	--	0.0040 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/10/09	--	--	0.0002 U	0.0100 U	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0100 U
9/21/09	26.100	0.032	0.0002 U	0.0047	3.07	0.0044	0.0020 U	21.4	0.0020 U	--	0.0005 J	0.0100 U
7/26/10	--	--	0.0007	0.0008 J	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0130
9/20/10	28.500	0.221	0.0003	0.0050 U	3.13	0.0058	0.0050 U	21.9	0.0050 U	--	0.0050 U	0.0112
4/19/11	35.200 J	0.034	0.0005	0.0050 U	3.24	0.0071	0.0050 U	21.3 J	0.0050 U	--	0.0050 U	0.0050 U
9/7/11	34.800	0.037	0.0003	--	3.42	0.0066	0.0050 U	20.8	0.0050 U	--	0.0050 U	0.0058
3/6/12	33.600	0.113	0.0003	0.0050 U	3.40	0.0051	0.0050 U	24.5	0.0050 U	--	0.0050 U	0.0058

**Gude Landfill**  
**Monitoring Location OB07 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/11/12	33.300	0.072	0.0005	0.0050 U	3.54	0.0071	0.0050 U	19.5	0.0050 U	--	0.0050 U	0.0062
3/27/13	33.900	0.083	0.0004	0.0050 U	4.66	0.0087	0.0050 U	22.9	0.0050 U	--	0.0050 U	0.0075
9/11/13	37.700	0.042	0.0004	0.0069	3.47	0.0064	0.0050 U	20.8	0.0050 U	--	0.0050 U	0.0054
3/24/14	40.300	0.039	0.0005	0.0050 U	3.30	0.0063	0.0050 U	22.1	0.0050 U	--	0.0050 U	0.0050 U
9/2/14	39.900	0.039	0.0005	0.0050 U	3.45	0.0084	0.0050 U	22.6	0.0050 U	--	0.0050 U	0.0086
3/17/15	36.000	0.150	0.0003	0.0054 J	3.70	0.0085 J	0.0100 U	21.0	0.0020 U	--	0.0100 U	0.0087 J
9/9/15	38.000	0.057	0.0004	0.0100 U	3.80	0.0120	0.0010 U	22.0	0.0010 U	--	0.0050 U	0.0050 U
3/17/16	39.600	0.077	0.0002	0.0020	3.24	0.0074	0.0001 U	22.2	0.0010 U	--	0.0020 U	0.0020 U
8/31/16	38.800	0.101	0.0002	0.0023	3.27	0.0076	0.0020 U	21.9	0.0010 U	--	0.0020 U	0.0022
3/7/17	38.700	0.126	0.0002 U	0.0059	3.22	0.0131	0.0050 U	22.0	0.0050 U	--	0.0050 U	0.0050
9/11/17	39.500	0.127	0.0002 U	0.0050 U	3.33	0.0051	0.0050 U	22.4	0.0050 U	--	0.0050 U	0.0324
4/4/18	36.200	0.114	0.0002	0.0050 U	3.39	0.0080	0.0050 U	20.7	0.0050 U	--	0.0050 U	0.0188
9/4/18	43.300	0.072	0.0003	0.0067	3.53	0.0177	0.0050 U	22.9	0.0050 U	--	0.0050 U	0.0050 U
4/8/19	50.800	0.154	0.0001 U	0.0012	4.77	0.0010 U	0.0010 U	26.5	0.0010 U	--	0.0010 U	0.0040 U
7/30/19	47.000	0.135	0.0001	0.0017	4.62	0.0010 U	0.0010 U	25.7 B	0.0010 U	--	0.0010 U	0.0044
3/2/20	46.800	0.101	0.0002	0.0018	3.67	0.0010 U	0.0010 U	24.8	0.0010 U	--	0.0010	0.0040 U
7/29/20	44.000	0.183	0.0002	0.0043	6.06	0.0010 U	0.0010 U	28.0	0.0010 U	--	0.0010 U	0.0094

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	1.00 U	1.00 U	1.00 U	0.22 U	0.19 U	1.00 U	1.00 U	8.99	1.00 U	1.12	3.05	1.00 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	1.0 U	0.17 U	0.21 U
3/24/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	1.00 U	0.22 U	5.58	0.21 U	1.00 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.50 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	19.00	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	5.30
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	1.04	1.00 U	10.00 U	0.11 U	--	1.00 U	1.00 U	0.14 U	--	1.00 U	--	--	--	1.00 U	1.00 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	0.09	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/24/04	1.00 U	0.19 U	10.00 U	0.11 U	4.21	1.00 U	0.18 U	1.00 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	3.62	0.37 U	1.00 U	0.29 U	--	1.00 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	2.33	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	0.23 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/10/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	0.51 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	1.00 U	1.00 U	1.00 U
7/26/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U

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**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	7.90	--	1.00 U
3/6/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	7.60	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/2/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/29/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
3/12/02	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
6/2/03	0.18 U	1.00 U	1.00 U	0.38 U	1.00 U	1.00 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	1.00 U	1.00 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/24/04	0.18 U	0.14 U	1.00 U	2.13	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	4.62	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.81	0.29 U	0.27 U	1.00 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	0.81	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.35	0.12 U	0.13 U	0.50 U	--	0.12 U
3/10/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.45	0.12 U	0.13 U	0.50 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.63	1.00 U	1.00 U	0.38 J	--	1.00 U
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	1.38 J	--	1.48 J	2.00 U	2.00 U	0.99 J	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.70	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.70	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.66	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.70	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.67	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.53	1.00 U	1.00 U	1.00 U	--	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.64	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.83	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.50	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.59	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.34	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.28	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.57	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.70	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	2.30	1.00 U	1.00 U	--	5 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.70	1.00 U	1.00 U	--	5 U	1.00 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.30	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
4/27/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.52	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.74	0.17 U	--	--	0.22 U	0.21 U	2.16	1.10	1.00 U	1.61	1.50	1.00 U	1.00 U
10/8/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/24/04	--	0.30 U	1.00 U	1.00 U	--	--	0.22 U	0.21 U	1.30	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	1.00 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/2/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/10/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/26/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB07 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/9/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/2/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/29/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location OB07 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
4/27/01	1.00 U	1.67	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/4/01	1.00 U	1.42	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
3/12/02	1.54	2.09	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/16/02	1.00 U	1.11	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/2/03	2.28	2.62	--	0.22 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	--
10/8/03	0.17 U	1.00 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.06	--
3/24/04	1.00 U	1.43	--	1.00 U	0.13 U	1.00 U	1.00 U	1.00 U	--	0.22	--
9/21/04	1.00 U	1.88	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/6/05	1.00 U	1.14	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/5/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	1.68	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/2/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
3/25/08	0.60	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	1.01	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
3/10/09	1.30	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
9/21/09	0.99 J	1.00 U	--	1.00 U	1.00 U	1.00 U	0.53 J	1.00 U	--	1.00 U	--
7/26/10	1.00	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	1.61 J	2.00 U	--	2.00 U	2.00 U	2.00 U	0.72 J	2.00 U	2 U	2.00 U	--

Gude Landfill

Monitoring Location OB07 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/19/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	23.00	1.00 U	--	1.00 U	1.00 U	5.00 U	23.00	1.00 U	1 U	1.00 U	1 U
3/6/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/13	1.52	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.19	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.20	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/9/15	1.14	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.07	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.10	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/2/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/29/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location OB08A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.097	0.005 U	0.005 U	46.6	0.01 U	0.01	0.005 U	3.0	0.005 U	17.7	7.850	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.071	0.005 U	0.005 U	53.6	0.01 U	0.02	0.005 U	3.5	0.005 U	22.3	6.970	0.0002 U
9/10/12	0.005 U	0.005 U	0.070	0.010 U	0.005 U	55.6	0.01 U	0.02	0.005 U	3.6	0.005 U	21.5	7.550	0.0002 U
3/21/13	0.005 U	0.005 U	0.074	0.005 U	0.005 U	56.7	0.01 U	0.02	0.005 U	3.5	0.005 U	22.2	8.270	0.0002 U
9/16/13	0.005 U	0.005 U	0.065	0.005 U	0.005 U	57.6	0.01 U	0.02	0.005 U	3.5	0.005 U	24.0	7.200	0.0002 U
3/11/14	0.005 U	0.005 U	0.126	0.005 U	0.005 U	57.7	0.01 U	0.01	0.005 U	0.7	0.005 U	17.1	5.590	0.0002 U
9/3/14	0.005 U	0.005 U	0.075	0.005 U	0.005 U	49.0	0.01 U	0.01	0.005 U	3.3	0.005 U	19.1	7.690	0.0002 U
3/23/15	0.002 U	0.003	0.059	0.002 U	0.004 U	53.0	0.01 U	0.02	0.010 U	3.8	0.002 U	21.0	7.200	0.0002 U
9/2/15	0.001 U	0.003	0.043	0.001 U	0.001 U	55.0	0.01 U	0.02	0.005 U	4.5	0.001 U	23.0	7.100	0.0002 U
3/22/16	0.002 U	0.003	0.068	0.002 U	0.002 U	54.7	0.00 U	0.02	0.002 U	3.7	0.002 U	21.4	7.570	0.0002 U
9/1/16	0.002 U	0.003	0.067	0.002 U	0.002 U	57.2	0.00	0.02	0.002 U	3.8	0.002 U	22.8	7.620	0.0002 U
3/9/17	0.002 U	0.003	0.056	0.002 U	0.002 U	56.8	0.00 U	0.02	0.003	4.0	0.002 U	24.3	7.300	0.0002 U
9/14/17	0.002 U	0.003	0.060	0.002 U	0.002 U	58.0	0.00	0.02	0.002 U	3.9	0.002 U	24.1	7.400	0.0002 U
4/2/18	0.002 U	0.003	0.058	0.002 U	0.002 U	63.2	0.01	0.02	0.002 U	3.4	0.002 U	25.4	7.670	0.0002 U
9/5/18	0.002 U	0.003	0.045	0.002 U	0.002 U	67.5	0.01	0.02	0.002 U	3.1	0.002 U	27.4	7.540	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB08A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.01	2.5	0.005 U	0.01 U	27.3	0.005 U	0.01 U	0.006
9/6/11	0.01	--	--	--	--	--	--	--
3/12/12	0.01	2.8	0.005 U	0.01 U	33.7	0.005 U	0.01 U	0.006
9/10/12	0.01	3.1	0.005 U	0.01 U	31.1	0.005 U	0.01 U	0.005
3/21/13	0.01	3.0	0.005 U	0.01 U	31.8	0.005 U	0.01 U	0.006
9/16/13	0.01	2.8	0.005 U	0.01 U	33.0	0.005 U	0.01 U	0.005
3/11/14	0.01	2.8	0.005 U	0.01 U	22.5	0.005 U	0.01 U	0.005
9/3/14	0.01	2.7	0.005 U	0.01 U	30.3	0.005 U	0.01 U	0.008
3/23/15	0.01 J	2.9	0.035 U	0.01 U	33.0	0.002 U	0.01 U	0.010 U
9/2/15	0.01 U	3.0	0.005 U	0.00 U	34.0	0.001 U	0.01 U	0.005 U
3/22/16	0.01	2.5	0.002 U	0.00 U	29.6	0.001 U	0.00 U	0.002 U
9/1/16	0.01	2.7	0.002	0.00 U	31.6	0.001 U	0.00 U	0.003
3/9/17	0.01	2.7	0.003	0.00 U	32.4	0.001 U	0.00 U	0.003
9/14/17	0.01	2.6	0.002 U	0.00 U	30.9	0.001 U	0.00 U	0.002
4/2/18	0.01	2.9	0.003	0.00 U	32.7	0.001 U	0.00 U	0.004
9/5/18	0.01	2.8	0.003	0.00 U	32.9	0.001 U	0.00	0.004

**Gude Landfill**  
**Monitoring Location OB08A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/27/01	--	--	--	80.9066	0.001 U	--	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	76.2039	0.005	--	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	82.0530	0.002	--	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	245.1770	0.001	--	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	87.5454	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
3/25/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.010 U	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.014	--
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
4/4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012	--
9/25/06	--	--	--	--	0.004	--	--	--	--	--	--	--	--	0.013	--
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.019	--
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.023	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	228.0	0.20 U	7.9 J	67.4000	--	--	570.0	0.2000 U	--	--	--	--	--	--	--
7/27/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/20/10	226.0	0.20 U	5.3 J	58.2000	--	--	300.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/20/11	220.0	0.20 U	10.2	45.4000	--	--	370.0	0.2000 U	0 U	0.05 U	--	--	--	--	--



**Gude Landfill**  
**Monitoring Location OB08A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
9/6/11	218.0	0.20 U	10.0 U	63.3000	--	--	190.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/12/12	221.0	0.20 U	8.6	55.5000	--	--	252.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/10/12	216.0	0.20 U	10.0 U	65.4000	--	--	240.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/21/13	219.0	0.20 U	10.0 U	63.8000	--	0	230.0	0.2000 U	0 U	0.05 U	232	6.39	--	--	649
9/16/13	214.0	0.20 U	10.0 U	68.0000	--	0	240.0	0.2000 U	0 U	0.05 U	235	6.01	--	--	548
3/11/14	218.0	0.22	10.0 U	59.9000	--	0	236.0	0.2000 U	--	--	221	6.11	--	--	537
9/3/14	219.0	0.25	10.0 U	50.4000	--	1	218.0	0.2000 U	0 U	0.05 U	220	6.47	--	--	503
3/23/15	221.0	0.20 U	10.0 U	60.8000	--	0	264.0	0.2000 U	0 U	0.05 U	239	6.61	--	--	468
9/2/15	221.0	0.44	10.0 U	70.0000	--	--	250.0	0.2000 U	0 U	0.05 U	120	6.07	--	--	617
3/22/16	210.0	0.23	10.0 U	67.6000	--	0	230.0	0.2000 U	0 U	0.05 U	179	6.25	--	--	545
9/1/16	226.0	0.26	10.0 U	72.5000	--	--	256.0	0.2000 U	0 U	0.05 U	169	6.02	--	--	581
3/9/17	206.0	0.24	10.0 U	83.6000	--	--	180.0	0.2000 U	0 U	0.05 U	196	6.20	--	--	583
9/14/17	205.0	0.20 U	10.0 U	87.5000	--	0	130.0	0.2000 U	0 U	0.05 U	222	6.28	--	--	662
4/2/18	207.0	0.20 U	15.2	91.1000	--	--	102.0	0.2000 U	0 U	0.05 U	56	6.18	--	--	603
9/5/18	204.0	0.20	10.0 U	105.0000	--	--	278.0	0.2000 U	0 U	0.05 U	42	6.19	--	--	666
4/11/19	220.0	0.31	9.0	32.6000	--	0	184.0 B	0.2000 U	--	--	6	6.29	6.44	--	609
7/31/19	218.0	0.34	11.8	50.8000	--	0	183.0	0.4000	--	--	200	6.18	6.40	--	491
3/4/20	232.0	0.30	10.4	72.3000	--	0	226.0	0.5500	--	--	55	6.10	6.30	--	590
7/28/20	223.0	0.10 U	16.0	51.0000	--	1	221.0	0.2000 U	--	--	55	6.45	6.60	--	550

**Gude Landfill**  
**Monitoring Location OB08A - General Parameters**

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/27/01	--	--	--	--	--	--	--	1.1	--
9/4/01	--	--	--	--	--	--	--	6.3	--
3/13/02	--	--	--	--	--	--	--	5.4	--
9/16/02	--	--	--	--	--	--	--	8.5	--
6/3/03	--	--	--	--	--	0	--	26.1	--
3/25/04	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	0 U	--	--	--
9/21/09	--	3.9	--	--	352	--	--	1.7	--
7/27/10	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	5.7	--	--	384	--	--	0.5	--
4/20/11	--	4.0 U	--	--	340	--	--	1.4	--

**Gude Landfill**  
**Monitoring Location OB08A - General Parameters**

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/6/11	--	4.0 U	--	--	1240	--	--	--	--
3/12/12	--	4.0 U	--	--	364	--	--	--	--
9/10/12	--	4.0 U	--	--	364	--	--	--	--
3/21/13	--	4.0 U	--	13.4	288	--	--	--	0.0
9/16/13	--	4.4	--	15.0	388	--	--	--	0.0
3/11/14	--	5.1	--	14.4	316	--	--	--	1.4
9/3/14	--	4.0 U	--	16.4	306	--	--	--	0.9
3/23/15	--	4.0 U	--	9.3	326	--	--	--	1.5
9/2/15	--	4.0 U	--	28.5	291	--	--	--	0.0
3/22/16	--	4.0 U	--	13.6	317	--	--	--	0.3
9/1/16	--	4.0 U	--	16.5	290	--	--	--	0.0
3/9/17	--	4.0 U	--	14.4	370	--	--	--	0.0
9/14/17	--	4.3	--	14.6	371	--	--	--	1.6
4/2/18	--	5.6	--	13.3	365	--	--	--	0.3
9/5/18	--	5.0	--	21.3	383	--	--	--	5.3
4/11/19	503	2.3	--	13.7	303	--	57.4	5.1	6.8
7/31/19	548	2.4	--	15.5	343	--	13.5	10.7	1.8
3/4/20	643	2.8	--	14.4	363	--	10.6	4.0	3.4
7/28/20	612	5.8	--	18.3	362	--	2.4 U	0.5 U	1.4

**Gude Landfill**  
**Monitoring Location OB08A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/27/01	0.0020 U	0.0005 U	0.0043	0.0005 U	--	0.0020 U	--	0.0020 U	0.0022	0.0100 U	--	0.0013 U	--
9/4/01	0.0020 U	0.0020 U	0.0115	0.0017 U	--	0.0020 U	--	0.0020 U	0.0054	0.0085	--	0.0020 U	--
3/13/02	0.0020 U	0.0020 U	0.0107	0.0017 U	--	0.0020 U	--	0.0020 U	0.0035	0.0165	--	0.0020 U	--
9/16/02	0.0007 U	0.0191	0.1822	0.0004 U	--	0.0052	--	0.0037	0.0664	0.0141	--	0.0027	--
6/3/03	0.0007 U	0.0020 U	0.0098	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0200	--	0.0020 U	--
3/25/04	0.0009 U	0.0008 U	0.0049	0.0016 U	--	0.0007 U	--	0.0005 U	0.0020 U	0.0100 U	--	0.0020 U	--
9/20/04	0.0028 U	0.0006 U	0.0059	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0102	--	0.0006 U	--
4/6/05	0.0028 U	0.0006 U	0.0057	0.0012 U	--	0.0003 U	--	0.0007 U	0.0005 U	0.0127	--	0.0006 U	--
9/21/05	0.0028 U	0.0006 U	0.0101	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0104	--	0.0020 U	--
4/4/06	0.0006 U	0.0006 U	0.0087	0.0007 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0078	--	0.0020	--
9/25/06	0.0007 U	0.0026	0.0974	0.0009 U	--	0.0006 U	--	0.0020 U	0.0184	0.0083	--	0.0020 U	--
4/17/07	0.0007 U	0.0030	0.1007	0.0009 U	0.020 U	--	--	0.0020 U	0.0171	0.0059	--	0.0007 U	--
10/2/07	0.0020 U	0.0022	0.0820	0.0009 U	0.020 U	--	--	0.0007 U	0.0177	0.0058	--	0.0007 U	--
3/26/08	0.0005 U	0.0020 U	0.0894	0.0010 U	0.020 U	--	--	0.0020 U	0.0094	0.0041	--	0.0020 U	--
9/24/08	0.0010 U	0.0012 U	0.0200 U	0.0020 U	0.040 U	--	--	0.0016 U	0.0040 U	0.0061	--	0.0020 U	--
3/9/09	0.0010 U	0.0100 U	0.0669	0.0012 U	0.050 U	--	--	0.0007 U	0.0167	0.0100 U	--	0.0007 U	--
9/21/09	0.0020 U	0.0023	0.0815	0.0020 U	--	0.0020 U	59.4	0.0020 U	0.0186	0.0051	3.9	0.0020 U	23.200
7/27/10	0.0010 U	0.0032	0.0760	0.0010 U	--	0.0010 U	--	0.0006 U	0.0170	0.0005 U	--	0.0010 U	--
9/20/10	0.0050 U	0.0050 U	0.0779	0.0050 U	--	0.0050 U	52.9	0.0050 U	0.0175	0.0061	3.4	0.0050 U	19.300
4/20/11	0.0050 U	0.0050 U	0.0990	0.0050 U	--	0.0050 U	58.1	0.0050 U	0.0146	0.0060	3.7	0.0050 U	20.300
9/6/11	0.0050 U	0.0050 U	0.0689	0.0050 U	--	0.0050 U	54.4	0.0050 U	0.0173	0.0050 U	3.1	0.0050 U	22.000
3/12/12	0.0050 U	0.0050 U	0.0735	0.0050 U	--	0.0050 U	53.3	0.0050 U	0.0171	0.0080	3.4	0.0050 U	21.800
9/10/12	0.0050 U	0.0050 U	0.0680	0.0050 U	--	0.0050 U	54.7	0.0050 U	0.0189	0.0050 U	3.9	0.0050 U	21.800

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB08A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/21/13	0.0050 U	0.0050 U	0.0674	0.0050 U	--	0.0050 U	54.9	0.0050 U	0.0189	0.0050 U	3.4	0.0050 U	21.800
9/16/13	0.0050 U	0.0050 U	0.0648	0.0050 U	--	0.0050 U	52.4	0.0050 U	0.0161	0.0050 U	3.9	0.0050 U	21.600
3/11/14	0.0050 U	0.0050 U	0.0677	0.0050 U	--	0.0050 U	47.1	0.0050 U	0.0153	0.0050 U	3.1	0.0050 U	17.900
9/3/14	0.0050 U	0.0050 U	0.0770	0.0050 U	--	0.0050 U	47.6	0.0050 U	0.0149	0.0050 U	3.3	0.0050 U	18.700
3/23/15	0.0020 U	0.0029	0.0470	0.0020 U	--	0.0040 U	49.0	0.0047 J	0.0170	0.0017 J	4.4	0.0020 U	21.000
9/2/15	0.0010 U	0.0026	0.0410	0.0010 U	--	0.0005 U	53.0	0.0050 U	0.0190	0.0050 U	5.0	0.0010 U	23.000
3/22/16	0.0020 U	0.0026	0.0697	0.0020 U	--	0.0020 U	54.5	0.0020	0.0157	0.0020 U	3.9	0.0020 U	21.200
9/1/16	0.0020 U	0.0030	0.0698	0.0020 U	--	0.0020 U	56.1	0.0027	0.0192	0.0020	3.8	0.0020 U	22.500
3/9/17	0.0020 U	0.0030	0.0571	0.0020 U	--	0.0020 U	55.8	0.0031	0.0200	0.0050	4.2	0.0020 U	24.000
9/14/17	0.0050 U	0.0050 U	0.0675	0.0050 U	--	0.0050 U	60.4	0.0050 U	0.0168	0.0050 U	4.4	0.0050 U	25.900
4/2/18	0.0020 U	0.0029	0.0615	0.0020 U	--	0.0020 U	62.3	0.0052	0.0171	0.0020 U	3.3	0.0020 U	24.800
9/5/18	0.0020 U	0.0025	0.0452	0.0020 U	--	0.0020 U	66.2	0.0041	0.0197	0.0020 U	3.3	0.0020 U	27.400
4/11/19	0.0010 U	0.0030	0.1100	0.0010 U	--	0.0015	44.2 B	0.0057	0.0122	0.0043	4.0	0.0023	18.000
7/31/19	0.0010 U	0.0027	0.0717	0.0010 U	--	0.0010 U	42.1	0.0021	0.0136	0.0021	3.8	0.0010 U	18.900
3/4/20	0.0010 U	0.0027	0.0765	0.0010 U	--	0.0010 U	53.0	0.0010	0.0163	0.0012	4.0	0.0010 U	23.700
7/28/20	0.0010 U	0.0010 U	0.1520	0.0010 U	--	0.0010 U	59.7	0.0010 U	0.0055	0.0010 U	0.1	0.0010 U	17.500

**Gude Landfill**  
**Monitoring Location OB08A - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/27/01	5.540	0.0001 U	0.0062	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	7.170	0.0001 U	0.0121	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/13/02	2.600	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	6.840	0.0003	0.0481	--	0.0265	0.0096 U	--	0.0010 U	0.0020 U	0.0020 U	--
6/3/03	0.734	0.0002 U	0.0032	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
3/25/04	0.217	0.0002 U	0.0020 U	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0004 U	--
9/20/04	0.021	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0003 U	0.0004 U	--
4/6/05	0.022	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	0.130	0.0001 U	0.0021	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/4/06	0.220	0.0001 U	0.0026	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	9.787	0.0002 U	0.0106	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	0.0002 U	0.0088	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0083
10/2/07	--	0.0002 U	0.0083	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0051
3/26/08	--	0.0002 U	0.0054	--	0.0020 U	0.0001 U	--	0.0010 U	0.0500 U	0.0001 U	0.0045
9/24/08	--	0.0002 U	0.0095	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/9/09	--	0.0002 U	0.0100 U	--	0.0012 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0100 U
9/21/09	8.160	0.0002 U	0.0095	2.82	0.0020 U	0.0020 U	37.0	0.0020 U	--	0.0020 U	0.0100 U
7/27/10	--	0.0002 U	0.0067	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0110
9/20/10	8.230	0.0002 U	0.0079	2.52	0.0050 U	0.0050 U	31.7	0.0050 U	--	0.0050 U	0.0050 U
4/20/11	8.570	0.0002 U	0.0071	2.77	0.0050 U	0.0050 U	30.8 U	0.0050 U	--	0.0050 U	0.0078
9/6/11	7.484	0.0002 U	--	2.80	0.0050 U	0.0050 U	31.8	0.0050 U	--	0.0050 U	0.0068
3/12/12	7.530	0.0002 U	0.0067	2.79	0.0050 U	0.0050 U	32.9	0.0050 U	--	0.0050 U	0.0101
9/10/12	8.270	0.0002 U	0.0077	2.99	0.0050 U	0.0050 U	30.7	0.0050 U	--	0.0050 U	0.0075

**Gude Landfill**  
**Monitoring Location OB08A - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/21/13	8.120	0.0002 U	0.0095	2.85	0.0050 U	0.0050 U	30.7	0.0050 U	--	0.0050 U	0.0060
9/16/13	7.160	0.0002 U	0.0071	2.91	0.0050 U	0.0050 U	30.1	0.0050 U	--	0.0050 U	0.0070
3/11/14	6.940	0.0002 U	0.0066	2.72	0.0050 U	0.0050 U	24.7	0.0050 U	--	0.0050 U	0.0063
9/3/14	7.330	0.0002 U	0.0074	2.60	0.0050 U	0.0050 U	29.4	0.0050 U	--	0.0050 U	0.0091
3/23/15	6.800	0.0002 U	0.0110	2.80	0.0350 U	0.0100 U	32.0	0.0020 U	--	0.0100 U	0.0084 J
9/2/15	7.400	0.0002 U	0.0100 U	3.00	0.0050 U	0.0010 U	33.0	0.0010 U	--	0.0050 U	0.0077
3/22/16	7.770	0.0002 U	0.0056	2.54	0.0020 U	0.0020 U	29.2	0.0010 U	--	0.0020 U	0.0028
9/1/16	7.770	0.0002 U	0.0084	2.69	0.0027	0.0020 U	31.1	0.0010 U	--	0.0020 U	0.0044
3/9/17	7.880	0.0002 U	0.0081	2.66	0.0032	0.0020 U	32.2	0.0010 U	--	0.0020 U	0.0037
9/14/17	7.670	0.0002 U	0.0068	2.76	0.0050 U	0.0050 U	33.2	0.0050 U	--	0.0050 U	0.0213
4/2/18	12.300	0.0002 U	0.0088	2.83	0.0035	0.0020 U	31.5	0.0010 U	--	0.0020 U	0.0043
9/5/18	7.650	0.0002 U	0.0080	2.80	0.0033	0.0020 U	33.1	0.0010 U	--	0.0020 U	0.0053
4/11/19	7.750	0.0001 U	0.0106	2.92	0.0010 U	0.0010 U	27.2	0.0010 U	--	0.0020	0.0250
7/31/19	8.850	0.0001 U	0.0066	2.52	0.0010 U	0.0010 U	28.3	0.0010 U	--	0.0010 U	0.0051 B
3/4/20	8.610	0.0001 U	0.0067	2.85	0.0010 U	0.0010 U	31.7	0.0010 U	--	0.0010 U	0.0072
7/28/20	5.800	0.0001 U	0.0063	2.78	0.0010 U	0.0010 U	26.7	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB08A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	1.13	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	2.73	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.20
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	1.48	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.39
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	34.39	1.00 U	0.22 U	1.00 U	0.21 U	1.00 U	1.00 U	0.20 U	10.0 U	3.05	6.61
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.00 U
3/25/04	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	1.00 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	1.00 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	1.38	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	1.00 U	2.53
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	1.43	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	2.17
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	1.05	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	2.33
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	0.50 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	1.22
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.50 U	0.94
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	1.07	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	--	0.53	2.11
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.47	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	0.52 J	2.02
7/27/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	0.97 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	1.10 J
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location OB08A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	2.00
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.08
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	1.54	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	3.09
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.11
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.80
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.86
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.06
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.14
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.95
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.11
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.95
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.81
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.10
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.10
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.20
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.10

Gude Landfill

Printed 10/24/20

Monitoring Location OB08A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	1.00 U	--	0.15 U	--	--	--	10.31	0.27 U	1.00 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/25/04	0.21 U	0.19 U	10.00 U	0.11 U	0.21	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.37	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	1.00 U	0.37 U	1.00 U	1.00 U	--	0.39 U	--	--	--	1.39	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.23	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.26	0.31 U	0.34 U
3/26/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.52	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	0.14 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	--	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.09	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	3.97	1.00 U	0.46 J	1.00 U	1.00 U	1.00 U	1 U	0.28 J	--	1 U	--	1.03	1.00 U	1.00 U
7/27/10	--	1.00 U	4.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	0.90 J	--	1.00 U
9/20/10	2.00 U	2.00 U	2.83	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	0.99 J	2.00 U	2.00 U
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location OB08A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	4.70	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.10	--	1.00 U
9/10/12	1.00 U	1.00 U	4.19	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.14	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.91	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	4.78	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	4.48	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.07	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	4.19	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.06	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	3.92	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.03	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	5.87	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.08	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	5.64	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	5.38	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	5.14	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	4.28	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	3.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/31/19	--	1.00 U	3.90	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/4/20	--	1.00 U	5.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.30	--	1.00 U
7/28/20	--	1.00 U	3.60	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	11.56	0.19 U	0.17 U	0.20 U	--
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	23.94	0.19 U	0.17 U	1.00 U	--
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	13.90	0.19 U	0.17 U	1.00 U	--
9/16/02	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	63.67	1.0 U	1.00 U	1.00 U	--	72.56	0.19 U	0.17 U	42.99	--
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	8.90	0.19 U	0.17 U	0.20 U	--
3/25/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.46	0.19 U	0.17 U	0.20 U	--
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.79	0.29 U	0.27 U	0.20 U	--
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	3.73	0.29 U	0.27 U	1.00 U	--
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	4.33	0.29 U	0.27 U	0.20 U	--
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	5.54	1.0 U	0.27 U	0.25 U	--	18.21	0.29 U	0.27 U	1.00 U	--
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.84	1.0 U	0.27 U	0.25 U	--	14.02	0.29 U	0.27 U	1.00 U	--
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.64	1.0 U	0.27 U	0.25 U	--	21.08	0.29 U	0.27 U	1.00 U	--
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	2.27	0.5 U	0.21 U	0.15 U	--	10.07	0.13 U	0.15 U	0.19 U	--
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	8.42	0.12 U	0.13 U	0.15 U	--
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	3.43	0.6	0.12 U	0.20 U	--	22.57	0.12 U	0.13 U	0.15 U	--
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	3.38	0.7 J	1.00 U	1.00 U	--	21.20	1.00 U	1.00 U	1.00 U	--
7/27/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	5.00	1.0 U	1.00 U	1.00 U	--	16.00	1.00 U	1.00 U	1.00 U	--
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	4.22	0.6 J	2.00 U	0.89 J	--	14.10	2.00 U	2.00 U	0.72 J	--
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.30	1.0	1.00 U	4.00	--	12.00	1.00 U	1.00 U	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.60	1.0 U	1.00 U	1.00 U	--	21.00	1.00 U	1.00 U	--	--
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.04	1.0 U	1.00 U	1.00 U	--	19.60	1.00 U	1.00 U	1.00 U	--
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.54	1.0 U	1.00 U	1.00 U	--	9.61	1.00 U	1.00 U	1.00 U	--
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.30	1.0 U	1.00 U	1.00 U	--	26.20	1.00 U	1.00 U	1.00 U	--
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.81	1.0 U	1.00 U	1.00 U	--	20.70	1.00 U	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.75	1.0 U	1.00 U	1.00 U	--	12.10	1.00 U	1.00 U	1.00 U	--
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.48	1.0 U	1.00 U	1.00 U	--	11.10	1.00 U	1.00 U	1.00 U	--
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.05	1.0 U	1.00 U	1.00 U	--	11.90	1.00 U	1.00 U	1.00 U	--
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	8.56	1.0 U	1.00 U	1.00 U	--	15.10	1.00 U	1.00 U	1.00 U	--
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	8.05	1.0 U	1.00 U	1.00 U	--	15.10	1.00 U	1.00 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.41	1.0 U	1.00 U	1.00 U	--	19.70	1.00 U	1.00 U	1.00 U	--
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.29	1.0 U	1.00 U	1.00 U	--	20.80	1.00 U	1.00 U	1.00 U	--
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.86	1.0 U	1.00 U	1.00 U	--	23.60	1.00 U	1.00 U	1.00 U	--
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.74	1.0 U	1.00 U	1.00 U	--	19.50	1.00 U	1.00 U	1.00 U	--
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	7.80	1.0 U	1.00 U	1.00 U	1 U	8.00	1.00 U	1.00 U	--	5 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.30	1.0 U	1.00 U	1.00 U	1 U	7.00	1.00 U	1.00 U	--	5 U
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	11.90	1.0 U	1.00 U	1.00 U	1 U	8.20	1.00 U	1.00 U	--	5 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.80	1.0 U	1.00 U	1.00 U	1 U	12.20	1.00 U	1.00 U	--	5 U

**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

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	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000					5			10000			100
4/27/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/4/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.47	1.00 U	0.23 U	0.27 U	1.00 U	0.24 U	0.21 U
3/13/02	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/16/02	0.26 U	--	1.07	1.00 U	1.00 U	--	--	0.22 U	27.89	1.07	0.23 U	0.27 U	1.00 U	1.00 U	0.21 U
6/3/03	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/25/04	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/20/04	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/6/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/4/06	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/25/06	0.23 U	--	1.00 U	2.00 U	1.00 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	1.00 U	1.00 U	0.25 U
4/17/07	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
10/2/07	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
3/26/08	0.26 U	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U
9/24/08	0.12 U	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
3/9/09	0.12 U	--	0.50 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U
9/21/09	1.00 U	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/27/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
9/20/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/20/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U

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**Monitoring Location OB08A - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
9/6/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
3/12/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/10/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
7/31/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
3/4/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
7/28/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100				5			2	10000
4/27/01	0.21 U	0.17 U	0.24 U	--	1.00 U	0.13 U	0.14 U	5.12	0.18 U	--	--	--
9/4/01	0.21 U	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	12.98	0.18 U	--	--	--
3/13/02	0.21 U	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	8.20	0.18 U	--	--	--
9/16/02	0.21 U	58.78	1.00 U	--	4.05	0.13 U	0.14 U	61.10	7.61	--	--	--
6/3/03	0.21 U	1.12	0.24 U	--	1.00 U	0.13 U	0.14 U	4.88	0.18 U	--	--	--
3/25/04	0.21 U	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.32	0.18 U	--	0.06	--
9/20/04	0.18 U	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	2.34	0.36 U	--	0.32 U	--
4/6/05	0.18 U	0.36 U	0.32 U	--	0.45 U	0.24 U	1.00 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.18 U	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	2.44	0.36 U	--	0.32 U	--
4/4/06	0.18 U	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	2.26	0.36 U	--	0.32 U	--
9/25/06	1.00 U	1.00 U	0.32 U	--	1.79	0.24 U	0.30 U	3.72	0.36 U	--	4.03	--
4/17/07	0.18 U	0.36 U	0.32 U	--	1.45	0.24 U	0.30 U	1.51	0.36 U	--	3.44	--
10/2/07	0.18 U	0.36 U	0.32 U	--	1.89	0.24 U	0.30 U	2.30	0.36 U	--	4.80	--
3/26/08	0.23 U	0.20 U	0.28 U	0	0.74	0.08 U	--	0.84	0.07 U	--	1.60	--
9/24/08	0.13 U	0.16 U	0.12 U	0	0.50 U	0.13 U	--	0.98	0.10 U	--	0.18 U	--
3/9/09	0.13 U	0.16 U	0.12 U	0	1.48	0.13 U	--	1.52	0.10 U	--	5.16	--
9/21/09	1.00 U	1.00 U	1.00 U	--	1.37	1.00 U	1.00 U	1.29	1.00 U	--	6.50	--
7/27/10	--	1.00 U	1.00 U	--	0.90 J	1.00 U	5.00 U	0.80 J	1.00 U	1 U	3.00	--
9/20/10	2.00 U	2.00 U	2.00 U	--	0.89 J	2.00 U	2.00 U	0.51 J	2.00 U	2 U	4.76	--
4/20/11	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	4	1.00 U	1 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB08A - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/6/11	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	5.40	1 U
9/10/12	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	4.99	--
3/21/13	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.31	--
9/16/13	1.00 U	1.00 U	1.00 U	--	1.98	1.00 U	5.00 U	1.00 U	1.00 U	5 U	6.38	--
3/11/14	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	4.86	--
9/3/14	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	4.99	--
3/23/15	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.39	--
9/2/15	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.60	--
3/22/16	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.89	--
9/1/16	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.56	--
3/9/17	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.89	--
9/14/17	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.82	--
4/2/18	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.04	--
9/5/18	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	2.89	--
4/11/19	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.60	--
7/31/19	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/4/20	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.40	--
7/28/20	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location OB08 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.119	0.005 U	0.005 U	63.1	0.01 U	0.01	0.005 U	0.7	0.005 U	15.4	6.750	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.127	0.005 U	0.005 U	65.0	0.01 U	0.01	0.005 U	0.7	0.005 U	16.8	7.290	0.0002 U
9/10/12	0.005 U	0.005 U	0.128	0.010 U	0.005 U	66.1	0.01 U	0.01	0.005 U	0.7	0.005 U	18.0	6.820	0.0002 U
3/21/13	0.005 U	0.005 U	0.134	0.005 U	0.005 U	66.2	0.01 U	0.01	0.005 U	0.7	0.005 U	16.1	6.600	0.0002 U
9/16/13	0.005 U	0.005 U	0.124	0.005 U	0.005 U	66.7	0.01 U	0.01	0.005 U	0.7	0.005 U	16.9	6.110	0.0002 U
3/11/14	0.005 U	0.005 U	0.068	0.005 U	0.005 U	49.3	0.01 U	0.02	0.005 U	3.3	0.005 U	18.9	6.890	0.0002 U
9/3/14	0.005 U	0.005 U	0.127	0.005 U	0.005 U	58.7	0.01 U	0.01	0.005 U	0.7	0.005 U	15.6	6.500	0.0002 U
3/23/15	0.002 U	0.002 U	0.140	0.002 U	0.004 U	64.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	14.0	5.200	0.0002 U
9/2/15	0.001 U	0.001 U	0.140	0.001 U	0.001 U	64.0	0.01 U	0.01 U	0.005 U	0.0	0.001 U	13.0	4.900	0.0002 U
3/22/16	0.002 U	0.002 U	0.139	0.002 U	0.002 U	57.9	0.00 U	0.00	0.002 U	0.4	0.002 U	12.9	4.840	0.0002 U
9/1/16	0.002 U	0.002 U	0.149	0.002 U	0.002 U	66.5	0.00	0.01	0.002 U	0.5	0.002 U	14.6	5.390	0.0002 U
3/9/17	0.002 U	0.002 U	0.138	0.002 U	0.002 U	63.5	0.00 U	0.01	0.002 U	0.4	0.002 U	14.6	4.740	0.0002 U
9/14/17	0.002 U	0.002 U	0.143	0.002 U	0.002 U	62.6	0.00	0.00	0.002 U	0.4	0.002 U	14.2	4.840	0.0002 U
4/2/18	0.002 U	0.002 U	0.134	0.002 U	0.002 U	70.2	0.01	0.00	0.002 U	0.1	0.002 U	14.3	5.010	0.0002 U
9/5/18	0.002 U	0.002 U	0.131	0.002 U	0.002 U	71.4	0.00	0.00	0.002 U	0.1	0.002 U	15.0	4.930	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB08 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01	2.4	0.005 U	0.01 U	26.7	0.005 U	0.01 U	0.007
9/6/11	0.01	--	--	--	--	--	--	--
3/12/12	0.01	2.8	0.005 U	0.01 U	27.0	0.005 U	0.01 U	0.005 U
9/10/12	0.01	3.0	0.005 U	0.01 U	27.2	0.005 U	0.01 U	0.005
3/21/13	0.01	3.0	0.005 U	0.01 U	26.3	0.005 U	0.01 U	0.006
9/16/13	0.01	2.8	0.005 U	0.01 U	27.2	0.005 U	0.01 U	0.005 U
3/11/14	0.01	2.8	0.005 U	0.01 U	26.6	0.005 U	0.01 U	0.006
9/3/14	0.01	2.7	0.005 U	0.01 U	25.0	0.005 U	0.01 U	0.008
3/23/15	0.01 J	2.8	0.035 U	0.01 U	25.0	0.002 U	0.01 U	0.005 J
9/2/15	0.01 U	2.7	0.005 U	0.00 U	24.0	0.001 U	0.01 U	0.005 U
3/22/16	0.01	2.3	0.002 U	0.00 U	22.3	0.001 U	0.00 U	0.002 U
9/1/16	0.01	2.5	0.002 U	0.00 U	23.8	0.001 U	0.00 U	0.002 U
3/9/17	0.01	2.5	0.002 U	0.00 U	23.9	0.001 U	0.00 U	0.002 U
9/14/17	0.01	2.4	0.002 U	0.00 U	23.0	0.001 U	0.00 U	0.002
4/2/18	0.01	2.6	0.002	0.00 U	23.6	0.001 U	0.00 U	0.002
9/5/18	0.01	2.6	0.002 U	0.00 U	23.9	0.001 U	0.00 U	0.003

**Gude Landfill**  
**Monitoring Location OB08 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/27/01	--	--	--	39.2477	0.001 U	--	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	36.3369	0.003	--	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	38.7967	0.004	--	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	133.3280	0.001 U	--	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	39.7258	0.002 U	--	--	--	--	--	--	--	--	0.012	--
3/25/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.015	--
4/6/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.003 U	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
4/4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012	--
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.010	--
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.012	--
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.020	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	229.0	0.20 U	10.0 U	34.7000	--	--	228.0	0.2000 U	--	--	--	--	--	--	--
7/27/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/20/10	248.0	0.20 U	10.0 U	32.8000	--	--	300.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
4/21/11	230.0	0.20 U	10.0 U	34.2000	--	--	265.0	0.2000 U	0 U	0.05 U	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB08 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
9/6/11	230.0	0.20 U	10.0 U	46.1000	--	--	144.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/12/12	239.0	0.20 U	9.9	42.8000	--	--	236.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/10/12	223.0	0.20 U	10.0 U	47.4000	--	--	234.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/21/13	224.0	0.20 U	10.0 U	45.5000	--	0	232.0	0.2000 U	0 U	0.05 U	268	6.54	--	--	604
9/16/13	219.0	0.20 U	10.0 U	47.7000	--	0	230.0	0.2000 U	0 U	0.05 U	272	6.18	--	--	517
3/11/14	219.0	0.20 U	10.0 U	44.7000	--	0	232.0	0.2000 U	--	--	264	6.18	--	--	500
9/3/14	227.0	0.20 U	10.0 U	39.5000	--	2	236.0	0.2000 U	0 U	0.05 U	248	6.62	--	--	491
3/23/15	215.0	0.20 U	10.0 U	37.5000	--	0	220.0	0.2000 U	0 U	0.05 U	89	7.07	--	--	407
9/2/15	213.0	0.39	10.0 U	39.7000	--	--	222.0	0.2000 U	0 U	0.05 U	68	6.49	--	--	507
3/22/16	196.0	0.20 U	10.0 U	42.4000	--	0	206.0	0.2000 U	0 U	0.05 U	230	6.56	--	--	450
9/1/16	218.0	0.20 U	10.0 U	48.5000	--	--	240.0	0.2000 U	0 U	0.05 U	204	6.29	--	--	505
3/9/17	205.0	0.20 U	10.0 U	52.2000	--	--	140.0	0.2000 U	0 U	0.05 U	245	6.47	--	--	479
9/14/17	197.0	0.20 U	10.0 U	55.5000	--	0	236.0	0.2000 U	0 U	0.05 U	285	6.57	--	--	483
4/2/18	193.0	0.20 U	10.0 U	62.7000	--	--	61.2	0.2000 U	0 U	0.05 U	75	6.50	--	--	502
9/5/18	193.0	0.20 U	10.0 U	60.6000	--	--	242.0	0.2000 U	0 U	0.05 U	106	6.48	--	--	532
4/11/19	225.0	0.10 U	4.0	41.5000	--	0	211.0 B	0.2000 U	--	--	68	6.46	6.53	--	662
7/31/19	223.0	0.10 U	7.6	44.3000	--	0	203.0	0.2000 U	--	--	200	6.33	6.57	--	488
3/4/20	224.0	0.10 U	4.9	54.0000	--	0	216.0	0.3600	--	--	23	6.36	6.49	--	520
7/28/20	226.0	0.35	19.1	73.7000	--	1	229.0	0.2000 U	--	--	56	6.04	6.32	--	623

Gude Landfill

Monitoring Location OB08 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/27/01	--	--	--	--	--	--	--	0.2	--
9/4/01	--	--	--	--	--	--	--	1.5	--
3/13/02	--	--	--	--	--	--	--	1.4	--
9/16/02	--	--	--	--	--	--	--	8.1	--
6/3/03	--	--	--	--	--	0 U	--	22.3	--
3/25/04	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	0 U	--	--	--
9/21/09	--	7.5	--	--	284	--	--	0.3	--
7/27/10	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	4.8	--	--	384	--	--	0.5	--
4/21/11	--	4.0 U	--	--	280	--	--	0.7	--

Gude Landfill

Monitoring Location OB08 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/6/11	--	4.0 U	--	--	344	--	--	--	--
3/12/12	--	4.8	--	--	348	--	--	--	--
9/10/12	--	4.1	--	--	352	--	--	--	--
3/21/13	--	5.3	--	13.7	270	--	--	--	0.0
9/16/13	--	5.7	--	14.6	392	--	--	--	0.0
3/11/14	--	5.8	--	14.2	322	--	--	--	1.1
9/3/14	--	4.3	--	15.0	322	--	--	--	2.1
3/23/15	--	7.7	--	9.9	352	--	--	--	0.0
9/2/15	--	6.7	--	19.3	209	--	--	--	0.1
3/22/16	--	9.5	--	14.1	264	--	--	--	0.0
9/1/16	--	7.2	--	15.2	308	--	--	--	0.0
3/9/17	--	7.8	--	14.0	224	--	--	--	0.0
9/14/17	--	8.8	--	16.5	320	--	--	--	0.1
4/2/18	--	10.8	--	13.4	343	--	--	--	0.3
9/5/18	--	10.0	--	15.5	324	--	--	--	0.9
4/11/19	549	6.1	--	13.7	328	--	2.6 U	0.5 U	1.1
7/31/19	544	5.8	--	15.8	326	--	2.3 U	0.5 U	0.0
3/4/20	572	5.9	--	14.4	332	--	4.3	0.7	0.0
7/28/20	688	2.5	--	17.2	398	--	25.4	5.0	7.7

**Gude Landfill**  
**Monitoring Location OB08 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/27/01	0.0020 U	0.0020 U	0.0361	0.0005 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0176	--	0.0020 U	--
9/4/01	0.0020 U	0.0007 U	0.0287	0.0017 U	--	0.0020 U	--	0.0012 U	0.0020 U	0.0102	--	0.0022	--
3/13/02	0.0005 U	0.0020 U	0.0192	0.0017 U	--	0.0020 U	--	0.0012 U	0.0004 U	0.0089	--	0.0020 U	--
9/16/02	0.0007 U	0.0027	0.0211	0.0004 U	--	0.0041	--	0.0040	0.0029	0.0099	--	0.0032	--
6/3/03	0.0007 U	0.0020 U	0.0327	0.0004 U	--	0.0020 U	--	0.0020 U	0.0020 U	0.0204	--	0.0020 U	--
3/25/04	0.0009 U	0.0008 U	0.0158	0.0016 U	--	0.0007 U	--	0.0005 U	0.0005 U	0.0100 U	--	0.0020 U	--
9/20/04	0.0028 U	0.0006 U	0.0137	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0126	--	0.0020 U	--
4/6/05	0.0028 U	0.0020 U	0.0102	0.0012 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0107	--	0.0020 U	--
9/21/05	0.0028 U	0.0006 U	0.0159	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0172	--	0.0021	--
4/4/06	0.0006 U	0.0006 U	0.0114	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0073	--	0.0020 U	--
9/25/06	0.0007 U	0.0020 U	0.1281	0.0009 U	--	0.0006 U	--	0.0007 U	0.0084	0.0062	--	0.0007 U	--
4/17/07	0.0007 U	0.0020 U	0.1163	0.0009 U	0.020 U	--	--	0.0007 U	0.0078	0.0060	--	0.0007 U	--
10/2/07	0.0007 U	0.0020 U	0.1146	0.0009 U	0.020 U	--	--	0.0007 U	0.0069	0.0061	--	0.0007 U	--
3/26/08	0.0005 U	0.0006 U	0.0822	0.0010 U	0.020 U	--	--	0.0020 U	0.0034	0.0045	--	0.0020 U	--
9/24/08	0.0010 U	0.0012 U	0.0288	0.0020 U	0.040 U	--	--	0.0016 U	0.0024 U	0.0080	--	0.0020 U	--
3/9/09	0.0010 U	0.0010 U	0.1309	0.0012 U	0.050 U	--	--	0.0007 U	0.0100 U	0.0100 U	--	0.0007 U	--
9/21/09	0.0020 U	0.0020 U	0.1370	0.0020 U	--	0.0020 U	63.5	0.0020 U	0.0052	0.0043	0.3	0.0020 U	12.900
7/27/10	0.0010 U	0.0019	0.1200	0.0010 U	--	0.0010 U	--	0.0006 J	0.0081	0.0017	--	0.0010 U	--
9/20/10	0.0050 U	0.0050 U	0.1180	0.0050 U	--	0.0050 U	65.9	0.0050 U	0.0064	0.0060	0.6	0.0050 U	14.900
4/21/11	0.0050 U	0.0050 U	0.1160	0.0050 U	--	0.0050 U	62.7	0.0050 U	0.0070	0.0060	0.7	0.0050 U	17.000 J
9/6/11	0.0050 U	0.0050 U	0.1280	0.0050 U	--	0.0050 U	67.1	0.0050 U	0.0080	0.0050 U	0.8	0.0050 U	16.800
3/12/12	0.0050 U	0.0050 U	0.1290	0.0050 U	--	0.0050 U	70.8	0.0050 U	0.0079	0.0050 U	0.7	0.0050 U	17.700
9/10/12	0.0050 U	0.0050 U	0.1290	0.0100 U	--	0.0050 U	68.2	0.0050 U	0.0084	0.0050 U	0.8	0.0050 U	17.000

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB08 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/21/13	0.0050 U	0.0050 U	0.1320	0.0050 U	--	0.0050 U	66.6	0.0050 U	0.0080	0.0050 U	0.6	0.0050 U	15.900
9/16/13	0.0050 U	0.0050 U	0.1260	0.0050 U	--	0.0050 U	65.3	0.0050 U	0.0065	0.0050 U	0.7	0.0050 U	16.500
3/11/14	0.0050 U	0.0050 U	0.1250	0.0050 U	--	0.0050 U	54.3	0.0050 U	0.0065	0.0050 U	0.7	0.0050 U	17.600
9/3/14	0.0050 U	0.0050 U	0.1320	0.0050 U	--	0.0050 U	57.1	0.0050 U	0.0069	0.0050 U	0.7	0.0050 U	15.100
3/23/15	0.0020 U	0.0020 U	0.1300	0.0020 U	--	0.0040 U	64.0	0.0100 U	0.0100 U	0.0100 U	0.0	0.0020 U	14.000
9/2/15	0.0010 U	0.0010 U	0.1300	0.0010 U	--	0.0005 U	64.0	0.0050 U	0.0050 U	0.0050 U	0.0	0.0010 U	13.000
3/22/16	0.0020 U	0.0020 U	0.1380	0.0020 U	--	0.0020 U	58.4	0.0020 U	0.0041	0.0020 U	0.5	0.0020 U	12.900
9/1/16	0.0020 U	0.0020 U	0.1460	0.0020 U	--	0.0020 U	64.6	0.0020 U	0.0057	0.0020 U	0.5	0.0020 U	14.700
3/9/17	0.0020 U	0.0020 U	0.1350	0.0020 U	--	0.0020 U	61.9	0.0023	0.0054	0.0030	0.4	0.0020 U	14.200
9/14/17	0.0020 U	0.0020 U	0.1450	0.0020 U	--	0.0020 U	62.8	0.0022	0.0040	0.0020 U	0.4	0.0020 U	13.900
4/2/18	0.0020 U	0.0020 U	0.1380	0.0020 U	--	0.0020 U	68.1	0.0032	0.0047	0.0020 U	0.1	0.0020 U	14.900
9/5/18	0.0020 U	0.0020 U	0.1300	0.0020 U	--	0.0020 U	72.5	0.0026	0.0048	0.0020 U	0.1	0.0020 U	14.800
4/11/19	0.0010 U	0.0010 U	0.1510	0.0010 U	--	0.0010 U	56.5 B	0.0010 U	0.0053	0.0010 U	0.1 U	0.0010 U	17.000
7/31/19	0.0010 U	0.0010 U	0.1520	0.0010 U	--	0.0010 U	55.3	0.0027	0.0057	0.0024	0.1	0.0010 U	15.700
3/4/20	0.0010 U	0.0010 U	0.1470	0.0010 U	--	0.0010 U	61.7	0.0010 U	0.0051	0.0010 U	0.1	0.0010 U	17.300
7/28/20	0.0010 U	0.0027	0.0656	0.0010 U	--	0.0010 U	49.3	0.0027	0.0186	0.0029	5.1	0.0010 U	25.700

**Gude Landfill**  
**Monitoring Location OB08 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/27/01	5.080	0.0001 U	0.0052	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	2.500	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/13/02	0.383	0.0001 U	0.0030 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	0.554	0.0002	0.0149	--	0.0057	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
6/3/03	0.742	0.0002 U	0.0028	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
3/25/04	0.236	0.0002 U	0.0020 U	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0004 U	--
9/20/04	0.098	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0003 U	0.0004 U	--
4/6/05	0.072	0.0001 U	0.0020 U	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	0.420	0.0001 U	0.0028	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/4/06	0.242	0.0001 U	0.0021	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	8.924	0.0002 U	0.0081	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	0.0002 U	0.0089	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0057
10/2/07	--	0.0002 U	0.0082	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0039
3/26/08	--	0.0002 U	0.0039	--	0.0020 U	0.0001 U	--	0.0010 U	0.0500 U	0.0020 U	0.0048
9/24/08	--	0.0002 U	0.0040 U	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/9/09	--	0.0002 U	0.0100 U	--	0.0012 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0100 U
9/21/09	6.290	0.0002 U	0.0083	2.81	0.0020 U	0.0020 U	27.2	0.0020 U	--	0.0020 U	0.0100 U
7/27/10	--	0.0002 U	0.0071	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0140
9/20/10	7.180	0.0002 U	0.0083	2.63	0.0050 U	0.0050 U	28.0	0.0050 U	--	0.0050 U	0.0050 U
4/21/11	6.560	0.0002 U	0.0077	2.91	0.0050 U	0.0050 U	28.7 U	0.0050 U	--	0.0050 U	0.0077
9/6/11	7.228	0.0002 U	--	2.86	0.0050 U	0.0050 U	27.4	0.0050 U	--	0.0050 U	0.0066
3/12/12	6.840	0.0002 U	0.0082	2.85	0.0050 U	0.0050 U	28.0	0.0050 U	--	0.0050 U	0.0061
9/10/12	7.260	0.0002 U	0.0090	2.95	0.0050 U	0.0050 U	25.4	0.0050 U	--	0.0050 U	0.0062

**Gude Landfill**  
**Monitoring Location OB08 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/21/13	6.890	0.0002 U	0.0102	2.48	0.0050 U	0.0050 U	26.3	0.0050 U	--	0.0050 U	0.0057
9/16/13	6.000	0.0002 U	0.0077	2.71	0.0050 U	0.0050 U	26.4	0.0050 U	--	0.0050 U	0.0057
3/11/14	5.840	0.0002 U	0.0070	2.61	0.0050 U	0.0050 U	20.1	0.0050 U	--	0.0050 U	0.0067
9/3/14	6.260	0.0002 U	0.0089	2.70	0.0050 U	0.0050 U	24.0	0.0050 U	--	0.0050 U	0.0106
3/23/15	5.200	0.0002 U	0.0075 J	2.80	0.0350 U	0.0100 U	25.0	0.0020 U	--	0.0100 U	0.0059 J
9/2/15	5.000	0.0002 U	0.0100 U	2.70	0.0050 U	0.0010 U	24.0	0.0010 U	--	0.0050 U	0.0050 U
3/22/16	4.890	0.0002 U	0.0054	2.33	0.0020 U	0.0020 U	22.2	0.0010 U	--	0.0020 U	0.0020 U
9/1/16	5.210	0.0002 U	0.0084	2.55	0.0020 U	0.0020 U	23.7	0.0010 U	--	0.0020 U	0.0021
3/9/17	5.150	0.0002 U	0.0078	2.62	0.0020 U	0.0020 U	23.5	0.0010 U	--	0.0020 U	0.0021
9/14/17	4.710	0.0002 U	0.0054	2.35	0.0020 U	0.0020 U	23.2	0.0010 U	--	0.0020 U	0.0024
4/2/18	5.050	0.0002 U	0.0067	2.64	0.0022	0.0020 U	24.1	0.0010 U	--	0.0020 U	0.0022
9/5/18	4.750	0.0002 U	0.0066	2.52	0.0020 U	0.0020 U	23.7	0.0010 U	--	0.0020 U	0.0025
4/11/19	7.650	0.0001 U	0.0067	2.72	0.0010 U	0.0010 U	25.4	0.0010 U	--	0.0010 U	0.0040 U
7/31/19	6.680	0.0001 U	0.0076	2.62	0.0010 U	0.0010 U	24.1	0.0010 U	--	0.0010 U	0.0040 U
3/4/20	6.050	0.0001 U	0.0064	2.73	0.0010 U	0.0010 U	23.5	0.0010 U	--	0.0010 U	0.0040 U
7/28/20	8.710	0.0001 U	0.0079	2.94	0.0010 U	0.0010 U	35.2	0.0010 U	--	0.0010 U	0.0080

Gude Landfill

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Monitoring Location OB08 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	1.00 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	1.12	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	1.00 U
9/16/02	0.18 U	1.00 U	1.00 U	0.22 U	16.91	1.00 U	1.00 U	2.72	0.21 U	1.00 U	1.00 U	0.20 U	10.0 U	1.00 U	2.50
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/25/04	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	--	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.78
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	1.23	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.59
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.67
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.85	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	1.24
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.16
7/27/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	0.87 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.78 J
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.20

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.60
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	1.38	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.54
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.65
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.49	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.60
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.20
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.02
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.24
9/1/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.26
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.39
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.10
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.19
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.16
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.30
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.20
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.20

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	1.00 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	1.00 U	--	0.15 U	--	--	--	1.21	1.00 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/25/04	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	--	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.09	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
3/26/08	0.24 U	0.20 U	0.67	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	0.14 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.71	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	2.15	1.00 U	0.71 J	1.00 U	1.00 U	1.00 U	1 U	2.70	--	1 U	--	0.71 J	1.00 U	1.00 U
7/27/10	--	1.00 U	3.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	0.80 J	--	1.00 U
9/20/10	2.00 U	2.00 U	1.84 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	0.50 U	--	2 U	--	0.66 J	2.00 U	2.00 U
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	4.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/10/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.01	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.59	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	3.66	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	3.52	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	2.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	2.39	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	2.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	1.00 U	3.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	2.62	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	2.59	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/11/19	--	1.00 U	2.70	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/31/19	--	1.00 U	2.90	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/4/20	--	1.00 U	2.70	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/28/20	--	1.00 U	5.90	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.50	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	1.46	0.19 U	0.17 U	0.20 U	--
9/4/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	2.26	0.19 U	0.17 U	0.20 U	--
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	2.52	0.19 U	0.17 U	1.00 U	--
9/16/02	0.18 U	0.14 U	0.15 U	1.25	1.00 U	5.15	1.0 U	1.00 U	1.00 U	--	29.93	0.19 U	0.17 U	28.13	--
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	2.08	0.19 U	0.17 U	0.20 U	--
3/25/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.85	0.19 U	0.17 U	0.20 U	--
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.76	0.29 U	0.27 U	1.00 U	--
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.34	0.29 U	0.27 U	1.00 U	--
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.81	1.0 U	0.27 U	0.25 U	--	9.92	0.29 U	0.27 U	1.00 U	--
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.14	1.0 U	0.27 U	0.25 U	--	8.88	0.29 U	0.27 U	1.00 U	--
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	4.04	1.0 U	0.27 U	0.25 U	--	11.07	0.29 U	0.27 U	1.00 U	--
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.68	0.1 U	0.21 U	0.15 U	--	3.92	0.13 U	0.15 U	0.19 U	--
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	3.10	0.12 U	0.13 U	0.15 U	--
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	2.02	0.1 U	0.12 U	0.20 U	--	10.93	0.12 U	0.13 U	0.50 U	--
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.95	0.4 J	1.00 U	1.00 U	--	10.40	1.00 U	1.00 U	0.44 J	--
7/27/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	4.00	1.0 U	1.00 U	1.00 U	--	11.00	1.00 U	1.00 U	1.00 U	--
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	3.31	0.6 J	2.00 U	2.00 U	--	8.39	2.00 U	2.00 U	0.75 J	--
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	6.10	1.0 U	1.00 U	2.60	--	8.90	1.00 U	1.00 U	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.70	1.0 U	1.00 U	1.00 U	--	17.00	1.00 U	1.00 U	--	--
9/10/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.41	1.0 U	1.00 U	1.00 U	--	14.60	1.00 U	1.00 U	1.00 U	--
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.52	1.0 U	1.00 U	1.00 U	--	8.33	1.00 U	1.00 U	1.00 U	--
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.26	1.0 U	1.00 U	1.00 U	--	18.40	1.00 U	1.00 U	1.00 U	--
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.87	1.0 U	1.00 U	1.00 U	--	15.90	1.00 U	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	6.88	1.0 U	1.00 U	1.00 U	--	20.80	1.00 U	1.00 U	1.00 U	--
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.75	1.0 U	1.00 U	1.00 U	--	10.60	1.00 U	1.00 U	1.00 U	--
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.01	1.0 U	1.00 U	1.00 U	--	10.40	1.00 U	1.00 U	1.00 U	--
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.97	1.0 U	1.00 U	1.00 U	--	10.60	1.00 U	1.00 U	1.00 U	--
9/1/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.91	1.0 U	1.00 U	1.00 U	--	11.00	1.00 U	1.00 U	1.00 U	--
3/9/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	4.77	1.0 U	1.00 U	1.00 U	--	12.10	1.00 U	1.00 U	1.00 U	--
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.15	1.0 U	1.00 U	1.00 U	--	13.80	1.00 U	1.00 U	1.00 U	--
4/2/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.20	1.0 U	1.00 U	1.00 U	--	15.70	1.00 U	1.00 U	1.00 U	--
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.77	1.0 U	1.00 U	1.00 U	--	14.50	1.00 U	1.00 U	1.00 U	--
4/11/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.50	1.0 U	1.00 U	1.00 U	1 U	13.70	1.00 U	1.00 U	--	5 U
7/31/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.50	1.0 U	1.00 U	1.00 U	1 U	13.40	1.00 U	1.00 U	--	5 U
3/4/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.70	1.0 U	1.00 U	1.00 U	1 U	10.70	1.00 U	1.00 U	--	5 U
7/28/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	12.00	1.0 U	1.00 U	1.00 U	1 U	8.60	1.00 U	1.00 U	--	5 U

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000				5				10000			100
4/27/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/4/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.60	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/13/02	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/16/02	0.26 U	--	0.30 U	1.00 U	2.63	--	--	0.22 U	1.00 U	1.97	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U
6/3/03	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/25/04	0.26 U	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/20/04	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/6/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/4/06	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/25/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/17/07	0.23 U	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
10/2/07	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
3/26/08	0.26 U	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U
9/24/08	0.12 U	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
3/9/09	0.12 U	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
9/21/09	1.00 U	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/27/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
9/20/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/21/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
9/6/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
3/12/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/10/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/9/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/11/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
7/31/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
3/4/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
7/28/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100				5			2	10000
4/27/01	0.21 U	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
9/4/01	0.21 U	1.00 U	0.24 U	--	1.00 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	--
3/13/02	0.21 U	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	--
9/16/02	1.00 U	28.07	1.00 U	--	1.00 U	0.13 U	0.14 U	21.35	3.01	--	--	--
6/3/03	0.21 U	0.17 U	0.24 U	--	1.00 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
3/25/04	0.21 U	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.04	--
9/20/04	0.18 U	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/6/05	0.18 U	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.18 U	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/4/06	0.18 U	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/25/06	0.18 U	0.36 U	0.32 U	--	1.22	0.24 U	0.30 U	1.00 U	0.36 U	--	2.67	--
4/17/07	0.18 U	0.36 U	0.32 U	--	1.11	0.24 U	0.30 U	1.00 U	0.36 U	--	2.47	--
10/2/07	0.18 U	0.36 U	0.32 U	--	1.26	0.24 U	0.30 U	1.00 U	0.36 U	--	2.98	--
3/26/08	0.23 U	0.20 U	0.28 U	0	0.50 U	0.08 U	--	0.23 U	0.07 U	--	0.52	--
9/24/08	0.13 U	0.16 U	0.12 U	0	0.50 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
3/9/09	0.13 U	0.16 U	0.12 U	0	0.83	0.13 U	--	0.75	0.10 U	--	2.04	--
9/21/09	1.00 U	1.00 U	1.00 U	--	0.76 J	1.00 U	1.00 U	0.44 J	1.00 U	--	2.35	--
7/27/10	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	3.00	--
9/20/10	2.00 U	2.00 U	2.00 U	--	0.66 J	2.00 U	2.00 U	2.00 U	2.00 U	2 U	3.18	--
4/21/11	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	3	1.00 U	1 U

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**Gude Landfill**  
**Monitoring Location OB08 - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/6/11	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	4.00	1 U
9/10/12	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.68	--
3/21/13	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.78	--
9/16/13	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	4.41	--
3/11/14	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.53	--
9/3/14	1.00 U	1.00 U	1.00 U	--	1.20	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.83	--
3/23/15	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.80	--
9/2/15	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.55	--
3/22/16	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/16	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.05	--
3/9/17	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.06	--
9/14/17	1.00 U	1.00 U	1.64	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/18	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/5/18	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.07	--
4/11/19	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.20	--
7/31/19	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.20	--
3/4/20	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/28/20	--	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.40	--

**Gude Landfill**  
**Monitoring Location OB10 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/26/11	0.005 U	0.005 U	0.060	0.005 U	0.005 U	17.5	0.01 U	0.01 U	0.005 U	0.1 J	0.005 U	8.0	0.012	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/8/12	0.005 U	0.005 U	0.054	0.005 U	0.005 U	46.7	0.01 U	0.01	0.005 U	1.0	0.005 U	25.7	3.100	0.0002 U
9/18/12	0.005 U	0.005 U	0.065	0.005 U	0.005 U	58.2	0.01 U	0.01	0.005 U	1.6	0.005 U	33.6	4.270	0.0002 U
4/1/13	0.005 U	0.005 U	0.062	0.005 U	0.005 U	50.6	0.01 U	0.01	0.011	1.2	0.005 U	29.6	3.760	0.0002 U
9/23/13	0.005 U	0.005 U	0.075	0.005 U	0.005 U	54.7	0.01 U	0.01	0.005 U	1.8	0.005 U	33.7	4.760	0.0002 U
3/6/14	0.005 U	0.005 U	0.062	0.005 U	0.005 U	50.4	0.01 U	0.01	0.005 U	1.1	0.005 U	28.6	4.160	0.0002 U
9/4/14	0.005 U	0.005 U	0.070	0.005 U	0.005 U	53.2	0.01 U	0.01	0.005 U	1.6	0.005 U	30.7	--	0.0002 U
3/19/15	0.002 U	0.002 U	0.049	0.002 U	0.004 U	60.0	0.01 U	0.01 U	0.010 U	0.4	0.002 U	33.0	3.800	0.0002 U
9/3/15	0.001 U	0.001 U	0.069	0.001 U	0.001 U	67.0	0.01 U	0.01	0.005 U	1.3	0.001 U	40.0	5.800	0.0002 U
3/22/16	0.002 U	0.002 U	0.059	0.002 U	0.002 U	61.0	0.00 U	0.01	0.002 U	0.9	0.002 U	34.1	4.730	0.0002 U
8/30/16	0.002 U	0.002 U	0.084	0.002 U	0.002 U	64.7	0.00 U	0.01	0.002 U	1.5	0.002 U	39.0	6.640	0.0002 U
3/8/17	0.002 U	0.002 U	0.099	0.002 U	0.002 U	64.6	0.00 U	0.01	0.003	1.4	0.002 U	36.0	6.950	0.0002 U
9/13/17	0.002 U	0.002 U	0.099	0.002 U	0.002 U	68.6	0.00	0.01	0.002 U	1.3	0.002 U	36.6	6.780	0.0002 U
4/3/18	0.002 U	0.003	0.064	0.002 U	0.002 U	72.0	0.01	0.01	0.002 U	0.5	0.002 U	36.7	3.840	0.0002 U
9/11/18	0.002 U	0.002	0.083	0.002 U	0.002 U	66.1	0.00	0.01	0.002 U	0.6	0.002 U	35.7	5.520	0.0002 U

**Gude Landfill**  
**Monitoring Location OB10 - Dissolved Metals**

Printed 10/24/20

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/26/11	0.01 U	1.2	0.005 U	0.01 U	9.3	0.005 U	0.01 U	0.091
9/15/11	0.01	--	--	--	--	--	--	--
3/8/12	0.01	3.1	0.005 U	0.01 U	18.8	0.005 U	0.01 U	0.008
9/18/12	0.01	3.5	0.006	0.01 U	21.3	0.005 U	0.01 U	0.008
4/1/13	0.01	3.4	0.005 U	0.01 U	22.7	0.005 U	0.01 U	0.007
9/23/13	0.01	3.1	0.005 U	0.01 U	20.1	0.005 U	0.01 U	0.008
3/6/14	0.01	3.0	0.005 U	0.01 U	18.4	0.005 U	0.01 U	0.006
9/4/14	0.01	3.2	0.005 U	0.01 U	19.8	0.005 U	0.01 U	0.009
3/19/15	0.01 J	3.5	0.035 U	0.01 U	21.0	0.002 U	0.01 U	0.010 U
9/3/15	0.01	3.6	0.005 J	0.00 U	23.0	0.001 U	0.01 U	0.003 J
3/22/16	0.01	3.1	0.004	0.00 U	20.7	0.001 U	0.00 U	0.002 J
8/30/16	0.01	3.4	0.005	0.00 U	23.0	0.001 U	0.00 U	0.003
3/8/17	0.01	3.3	0.005	0.00 U	22.1	0.001 U	0.00 U	0.004
9/13/17	0.01	3.2	0.004	0.00 U	22.2	0.001 U	0.00 U	0.004
4/3/18	0.01	3.4	0.006	0.00 U	22.4	0.001 U	0.00 U	0.007
9/11/18	0.01	3.5	0.005	0.00 U	20.8	0.001 U	0.00 U	0.005

**Gude Landfill**  
**Monitoring Location OB10 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
9/5/01	--	--	--	29.5158	0.005	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	34.7181	0.003	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	57.2618	0.002 U	--	--	--	--	--	--	--	--	0.019
10/9/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.058
3/29/04	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.070
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.013
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
9/26/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.013
4/18/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.023
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/27/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	110.0	0.20 U	6.0 J	82.4000	--	--	160.0	0.2000 U	--	--	--	--	--	--
7/29/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/21/10	134.0	0.20 U	10.3	83.6000	--	--	230.0	0.0080 U	0 U	0.05 U	--	--	--	--
4/26/11	116.0	0.20 U	10.0 U	89.0000	--	--	230.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/15/11	122.0	0.20 U	10.0 U	94.1000	--	--	226.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/8/12	119.0	0.20 U	7.5	100.0000	--	--	210.0	0.2000 U	0 U	0.05 U	--	--	--	--



**Gude Landfill**  
**Monitoring Location OB10 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
9/18/12	133.0	0.20 U	10.0 U	121.0000	--	--	244.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/1/13	116.0	0.20 U	10.0 U	120.0000	--	0	234.0	0.2000 U	0 U	0.05 U	253	6.20	--	--
9/23/13	139.0	0.20 U	10.0 U	136.0000	--	0	278.0	0.2000 U	0 U	0.05 U	197	6.12	--	--
3/6/14	116.0	0.20 U	10.0 U	144.0000	--	0	256.0	0.2000 U	--	--	208	6.03	--	--
9/4/14	132.0	0.20 U	10.7	159.0000	--	1	292.0	0.2000 U	0 U	0.05 U	144	6.32	--	--
3/19/15	116.0	0.20 U	10.0 U	147.0000	--	0	276.0	0.2000 U	0 U	0.05 U	188	6.09	--	--
9/3/15	136.0	0.20 U	12.2	185.0000	--	1	332.0	0.2000 U	0 U	0.05 U	94	5.85	--	--
3/22/16	114.0	0.20 U	10.0 U	179.0000	--	0	294.0	0.2000 U	0 U	0.05 U	237	5.97	--	--
8/30/16	132.0	0.20 U	12.0	187.0000	--	2	368.0	0.2000 U	0 U	0.05 U	134	5.76	--	--
3/8/17	131.0	0.20 U	10.0 U	183.0000	--	--	344.0	0.2000 U	0 U	0.05 U	155	5.99	--	--
9/13/17	126.0	0.20 U	10.0 U	183.0000	--	--	292.0	0.2000 U	0 U	0.05 U	210	6.10	--	--
4/3/18	137.0	0.20 U	10.6	202.0000	--	--	353.0	0.2000 U	0 U	0.05 U	62	6.00	--	--
9/11/18	121.0	0.20 U	10.8	186.0000	--	1	318.0	0.2000 U	0 U	0.05 U	32	5.97	--	--
4/8/19	150.0	0.10 U	18.3	228.0000	--	0	361.0 B	0.2000 U	--	--	51	5.95	6.08	--
7/30/19	167.0	0.10 U	24.7	244.0000	--	0	377.0 B	0.2000 U	--	--	200	5.89	2.88	--
3/16/20	152.0	0.10 U	15.7	238.0000	--	1	410.0	0.2000 U	--	--	-1	5.80	6.27	--
8/3/20	161.0	0.10 U	19.4	269.0000	--	1	428.0	0.2000 U	--	--	33	6.08	6.03	--

Gude Landfill

Monitoring Location OB10 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
9/5/01	--	--	--	--	--	--	--	--	2.6	--
3/13/02	--	--	--	--	--	--	--	--	7.6	--
6/3/03	--	--	--	--	--	--	0 U	--	26.3	--
10/9/03	--	--	--	--	--	--	0 U	--	--	--
3/29/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	--	0 U	--	--	--
3/27/08	--	--	--	--	--	--	0 U	--	--	--
9/22/09	--	--	1.7	--	--	368	--	--	2.1	--
7/29/10	--	--	--	3.0 U	--	--	--	--	--	--
9/21/10	--	--	4.0 U	--	--	552	--	--	1.2	--
4/26/11	--	--	4.0 U	--	--	456	--	--	0.4	--
9/15/11	--	--	4.0 U	--	--	492	--	--	--	--
3/8/12	--	--	4.0 U	--	--	480	--	--	--	--

**Gude Landfill**  
**Monitoring Location OB10 - General Parameters**

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/18/12	--	--	4.0 U	--	--	396	--	--	--	--
4/1/13	654	--	4.0 U	--	13.9	440	--	--	--	0.0
9/23/13	637	--	4.0 U	--	13.9	434	--	--	--	0.0
3/6/14	596	--	4.0 U	--	13.1	340	--	--	--	0.0
9/4/14	664	--	4.0 U	--	13.9	466	--	--	--	0.3
3/19/15	590	--	4.0 U	--	13.2	424	--	--	--	0.0
9/3/15	788	--	4.0 U	--	15.3	523	--	--	--	0.0
3/22/16	671	--	4.0 U	--	12.8	399	--	--	--	0.0
8/30/16	766	--	4.0 U	--	14.6	579	--	--	--	0.0
3/8/17	718	--	4.0 U	--	13.5	371	--	--	--	0.0
9/13/17	766	--	4.0 U	--	14.8	600	--	--	--	0.6
4/3/18	842	--	4.0 U	--	10.3	374	--	--	--	0.0
9/11/18	805	--	4.0 U	--	17.4	481	--	--	--	0.0
4/8/19	1183	990	1.7	--	14.7	710	--	2.6 U	0.8	2.2
7/30/19	941	1090	2.6	--	14.7	952	--	2.3 U	0.5 U	0.0
3/16/20	1246	1060	1.6	--	12.3	782	--	6.0	1.8	0.3
8/3/20	1064	1180	1.5	--	19.4	659	--	18.5	1.5	4.8

**Gude Landfill**  
**Monitoring Location OB10 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
9/5/01	0.0020 U	0.0020 U	0.0567	0.0017 U	--	0.0020 U	--	0.0012 U	0.0044	0.0086	--	0.0247	--
3/13/02	0.0005 U	0.0020 U	0.0506	0.0017 U	--	0.0034	--	0.0012 U	0.0023	0.0119	--	0.0063	--
6/3/03	0.0007 U	0.0020 U	0.0434	0.0004 U	--	0.0020 U	--	0.0020 U	0.0029	0.0161	--	0.0021	--
10/9/03	0.0009 U	0.0008 U	0.0413	0.0016 U	--	0.0007 U	--	0.0005 U	0.0027	0.0100 U	--	0.0020 U	--
3/29/04	0.0009 U	0.0008 U	0.0436	0.0016 U	--	0.0020 U	--	0.0005 U	0.0036	0.0100 U	--	0.0020 U	--
9/21/04	0.0028 U	0.0020 U	0.0425	0.0012 U	--	0.0020 U	--	0.0020 U	0.0035	0.0132	--	0.0020 U	--
4/6/05	0.0028 U	0.0006 U	0.0375	0.0012 U	--	0.0020 U	--	0.0007 U	0.0026	0.0100 U	--	0.0020 U	--
9/21/05	0.0028 U	0.0020 U	0.0379	0.0012 U	--	0.0020 U	--	0.0007 U	0.0029	0.0100 U	--	0.0020 U	--
4/5/06	0.0006 U	0.0006 U	0.0300	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0080	--	0.0020 U	--
9/26/06	0.0007 U	0.0040	0.0778	0.0009 U	--	0.0020 U	--	0.0020 U	0.0035	0.0083	--	0.0021	--
4/18/07	0.0007 U	0.0008 U	0.0366	0.0009 U	0.020 U	--	--	0.0007 U	0.0020 U	0.0079	--	0.0020 U	--
10/4/07	0.0007 U	0.0008 U	0.0491	0.0009 U	0.020 U	--	--	0.0020 U	0.0041	0.0082	--	0.0031	--
3/27/08	0.0005 U	0.0006 U	0.0321	0.0010 U	0.005 U	--	--	0.0020 U	0.0022	0.0041	--	0.0020 U	--
3/5/09	0.0020 U	0.0020 U	0.0401	0.0012 U	0.010 U	--	--	0.0007 U	0.0020 U	0.0063	--	0.0020 U	--
9/22/09	0.0020 U	0.0020 U	0.0468	0.0020 U	--	0.0020 U	38.6	0.0020 U	0.0029	0.0060	0.6	0.0020 U	19.400
7/29/10	0.0010 U	0.0015	0.0530	0.0010 U	--	0.0010 U	--	0.0008 J	0.0067	0.0016	--	0.0014	--
9/21/10	0.0050 U	0.0050 U	0.0553	0.0050 U	--	0.0050 U	43.4	0.0050 U	0.0059	0.0057	1.3	0.0050 U	24.000
4/26/11	0.0050 U	0.0050 U	0.0531	0.0050 U	--	0.0050 U	39.8 J	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U	24.900 J
9/15/11	0.0050 U	0.0050 U	0.0534	0.0050 U	--	0.0050 U	45.8	0.0050 U	0.0050 U	0.0050 U	1.1	0.0050 U	27.800
3/8/12	0.0050 U	0.0050 U	0.0569	0.0050 U	--	0.0050 U	48.1	0.0050 U	0.0052	0.0050 U	1.0	0.0050 U	25.800
9/18/12	0.0050 U	0.0050 U	0.0573	0.0050 U	--	0.0050 U	50.1	0.0050 U	0.0081	0.0050 U	1.6	0.0050 U	28.100
4/1/13	0.0050 U	0.0050 U	0.0562	0.0050 U	--	0.0050 U	45.0	0.0050 U	0.0067	0.0109	1.1	0.0050 U	25.100
9/23/13	0.0050 U	0.0050 U	0.0763	0.0050 U	--	0.0050 U	55.8	0.0050 U	0.0084	0.0050 U	1.8	0.0050 U	34.400

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB10 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/6/14	0.0050 U	0.0050 U	0.0622	0.0050 U	--	0.0050 U	53.3	0.0050 U	0.0062	0.0050 U	1.1	0.0050 U	30.300
9/4/14	0.0050 U	0.0050 U	0.0699	0.0050 U	--	0.0050 U	56.6	0.0050 U	0.0078	0.0050 U	1.6	0.0050 U	32.500
3/19/15	0.0020 U	0.0020 U	0.0470	0.0020 U	--	0.0040 U	62.0	0.0100 U	0.0053 U	0.0100 U	0.4	0.0020 U	34.000
9/3/15	0.0010 U	0.0023	0.0640	0.0010 U	--	0.0005 U	67.0	0.0050 U	0.0091	0.0050 U	1.3	0.0010 U	40.000
3/22/16	0.0020 U	0.0020 U	0.0591	0.0020 U	--	0.0020 U	59.7	0.0020 U	0.0055	0.0020 U	1.0	0.0020 U	33.700
8/30/16	0.0020 U	0.0020 U	0.0769	0.0020 U	--	0.0020 U	64.3	0.0020 U	0.0090	0.0020 U	1.5	0.0020 U	36.200
3/8/17	0.0020 U	0.0022	0.1020	0.0020 U	--	0.0020 U	62.6	0.0023	0.0122	0.0020 U	1.3	0.0020 U	34.900
9/13/17	0.0020 U	0.0020 U	0.1000	0.0020 U	--	0.0020 U	69.0	0.0030	0.0093	0.0020 U	1.3	0.0020 U	36.400
4/3/18	0.0020 U	0.0028	0.0566	0.0020 U	--	0.0020 U	78.1	0.0032	0.0053	0.0031	0.5	0.0020 U	38.300
9/11/18	0.0020 U	0.0026	0.0799	0.0020 U	--	0.0020 U	71.0	0.0020 U	0.0100	0.0040	0.6	0.0020 U	34.100
4/8/19	0.0010 U	0.0010 U	0.1200	0.0010 U	--	0.0010 U	64.5	0.0010 U	0.0218	0.0010 U	1.6	0.0010 U	48.500
7/30/19	0.0010 U	0.0010 U	0.1350	0.0010 U	--	0.0010 U	69.8 B	0.0011	0.0266	0.0016	2.8	0.0010 U	49.200
3/16/20	0.0010 U	0.0010 U	0.1390	0.0010 U	--	0.0010 U	76.2	0.0015	0.0258	0.0010 U	2.1	0.0011	53.300
8/3/20	0.0010 U	0.0010 U	0.1430	0.0010 U	--	0.0010 U	76.8	0.0011	0.0287	0.0014	2.6	0.0010 U	57.400

**Gude Landfill**  
**Monitoring Location OB10 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
9/5/01	2.590	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/13/02	2.322	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
6/3/03	2.196	0.0002 U	0.0049	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/9/03	2.030	0.0002 U	0.0049	--	0.0007 U	0.0022 U	--	0.0004 U	0.0003 U	0.0004 U	--
3/29/04	20.380	0.0002 U	0.0056	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0004 U	--
9/21/04	2.248	0.0001 U	0.0074	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	1.919	0.0001 U	0.0048	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	2.040	0.0001 U	0.0051	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/5/06	0.002 U	0.0001 U	0.0056	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/26/06	2.376	0.0002 U	0.0080	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	0.0002 U	0.0057	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0230
10/4/07	--	0.0002 U	0.0066	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0198
3/27/08	--	0.0002 U	0.0049	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0087
3/5/09	--	0.0002 U	0.0049	--	0.0020 U	0.0009 U	--	0.0002 U	0.0011 U	0.0008 U	0.0107
9/22/09	2.630	0.0002 U	0.0079	2.81	0.0020 U	0.0020 U	19.0	0.0020 U	--	0.0020 U	0.0100 U
7/29/10	--	0.0002 U	0.0072	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0140
9/21/10	3.470	0.0002 U	0.0079	2.65	0.0050 U	0.0050 U	20.3	0.0050 U	--	0.0050 U	0.0060
4/26/11	2.680	0.0002 U	0.0063	3.28	0.0050 U	0.0050 U	18.4 U	0.0050 U	--	0.0050 U	0.0057
9/15/11	3.030	0.0002 U	--	3.00	0.0050 U	0.0050 U	19.6	0.0050 U	--	0.0050 U	0.0070
3/8/12	3.150	0.0002 U	0.0081	3.02	0.0050 U	0.0050 U	18.2	0.0050 U	--	0.0050 U	0.0066
9/18/12	4.310	0.0002 U	0.0120	3.32	0.0050 U	0.0050 U	18.3	0.0050 U	--	0.0050 U	0.0071
4/1/13	3.660	0.0002 U	0.0112	3.44	0.0050 U	0.0050 U	19.8	0.0050 U	--	0.0050 U	0.0056
9/23/13	5.200	0.0002 U	0.0119	2.98	0.0050 U	0.0050 U	20.8	0.0050 U	--	0.0050 U	0.0081

**Gude Landfill**  
**Monitoring Location OB10 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/6/14	3.960	0.0002 U	0.0083	3.09	0.0050 U	0.0050 U	19.6	0.0050 U	--	0.0050 U	0.0067
9/4/14	5.010	0.0002 U	0.0101	3.29	0.0050 U	0.0050 U	21.0	0.0050 U	--	0.0050 U	0.0086
3/19/15	3.700	0.0002 U	0.0110	3.40	0.0350 U	0.0100 U	21.0	0.0020 U	--	0.0100 U	0.0100 U
9/3/15	5.800	0.0002 U	0.0100 U	3.60	0.0070	0.0010 U	23.0	0.0010 U	--	0.0050 U	0.0050 U
3/22/16	4.680	0.0002 U	0.0082	3.42	0.0040	0.0020 U	20.4	0.0010 U	--	0.0020 U	0.0021
8/30/16	6.570	0.0002 U	0.0111	3.13	0.0041	0.0020 U	21.5	0.0010 U	--	0.0020 U	0.0022
3/8/17	7.720	0.0002 U	0.0143	3.24	0.0058	0.0020 U	21.9	0.0010 U	--	0.0020 U	0.0037
9/13/17	6.600	0.0002 U	0.0124	3.20	0.0036	0.0020 U	22.1	0.0010 U	--	0.0020 U	0.0040
4/3/18	3.450	0.0002 U	0.0095	3.46	0.0065	0.0020 U	22.6	0.0010 U	--	0.0020 U	0.0089
9/11/18	5.570	0.0002 U	0.0132	3.28	0.0056	0.0020 U	21.2	0.0010 U	--	0.0020 U	0.0156
4/8/19	14.400	0.0001 U	0.0225	3.68	0.0010 U	0.0010 U	27.5	0.0010 U	--	0.0010 U	0.0054
7/30/19	14.900	0.0001 U	0.0260	3.78	0.0010 U	0.0010 U	26.9 B	0.0010 U	--	0.0010 U	0.0073
3/16/20	14.800	0.0001 U	0.0287	4.32	0.0010 U	0.0010 U	29.9	0.0010 U	--	0.0010 U	0.0040 U
8/3/20	15.300	0.0001 U	0.0294	4.50	0.0010 U	0.0010 U	32.3	0.0010 U	--	0.0010 U	0.0059

Gude Landfill

Printed 10/24/20

Monitoring Location OB10 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
9/5/01	0.18 U	0.15 U	0.23 U	1.00 U	4.99	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	3.03
3/13/02	0.18 U	0.15 U	0.23 U	1.00 U	3.20	1.00 U	1.00 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.03
6/3/03	1.00 U	1.00 U	1.58	1.00 U	3.18	1.00 U	1.00 U	17.96	1.30	0.20 U	5.71	1.00 U	10.0 U	1.00 U	1.88
10/9/03	0.18 U	0.15 U	0.23 U	0.22 U	2.23	1.00 U	1.00 U	1.45	0.21 U	1.00 U	1.00 U	0.20 U	1.0 U	1.00 U	1.52
3/29/04	0.18 U	0.15 U	0.23 U	0.22 U	3.88	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	0.2 U	1.00 U	2.16
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	3.70	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	3.11
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	1.99	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	2.01
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	2.99	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	2.36
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	1.08
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	11.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	2.20	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.48
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	4.99	0.37 U	0.35 U	2.85	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	4.46
3/27/08	0.18 U	0.18 U	0.21 U	0.23 U	1.04	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	1.55
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	3.49	1.00 U	1.00 U	4.33	0.49 J	0.61 J	1.00 U	1.00 U	1.2	0.56 J	2.53
7/29/10	1.00 U	1.00 U	1.00 U	1.00 U	6.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	5.60	2.00 U	2.00 U	2.08	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	0.64 J	2.65
4/26/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.3	1.00 U	2.80

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	4.06	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	1.00 U	7.23	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.86
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	4.91	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.36
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	3.33	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	2.69
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	3.73	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.25
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	2.86	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.86
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	3.45	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.01	4.26
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	2.68	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.31
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	2.48	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.19
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	2.22	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.90
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.97	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.53
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.90
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.34	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.60
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	2.20	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	3.30
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	2.50	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	3.40
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.60	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	2.40
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.00 U	1.00 U	2.90

**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	3.10	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	1.90	1.00 U	10.00 U	0.11 U	--	1.38	0.18 U	0.14 U	--	1.00 U	--	--	--	1.95	1.08	0.20 U
10/9/03	1.00 U	0.19 U	1.20	0.11 U	0.11	1.00 U	0.18 U	1.00 U	--	0.15 U	--	--	--	1.18	0.27 U	0.20 U
3/29/04	0.21 U	0.19 U	1.28	0.11 U	3.43	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	1.77	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	2.14	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.87	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
10/4/07	1.00 U	0.33 U	10.00 U	0.23 U	1.00 U	1.00 U	1.00 U	1.00 U	--	0.39 U	--	--	--	2.86	1.00 U	0.34 U
3/27/08	0.24 U	0.20 U	10.00 U	0.50 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.73	0.20 U	0.12 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	0.55 J	1.00 U	4.84	1.00 U	1.00 U	0.53 J	1.00 U	0.63 J	1 U	1.67	--	1 U	--	1.72	0.42 J	1.00 U
7/29/10	--	1.00 U	6.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	2.00	--	1.00 U
9/21/10	2.00 U	2.00 U	5.54	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.04	2.00 U	2.00 U
4/26/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	2.40	--	1.00 U
3/8/12	--	--	5.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.60	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/18/12	1.00 U	1.00 U	7.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/1/13	1.00 U	1.00 U	12.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.49	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	9.31	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.16	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	7.07	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.76	1.00 U	--
9/4/14	1.00 U	1.00 U	8.74	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.26	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	6.93	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.89	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	10.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.43	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	8.46	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.23	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	9.39	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.16	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	8.88	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.99	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	7.57	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.74	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	7.41	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.95	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	5.37	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.27	1.00 U	1.00 U
4/8/19	--	1.00 U	9.50	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 J	--	5 U	1 U	2.40	--	1.00 U
7/30/19	--	1.00 U	11.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	2.80	--	1.00 U
3/16/20	--	1.00 U	9.80	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	2.20	--	1.00 U
8/3/20	--	1.00 U	11.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	2.50	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
9/5/01	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	85.97	0.19 U	0.17 U	17.80	--	0.26 U
3/13/02	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	35.90	0.19 U	0.17 U	11.10	--	0.26 U
6/3/03	1.00 U	1.00 U	0.15 U	1.75	1.00 U	1.00 U	1.0 U	1.00 U	0.21 U	--	22.43	1.00 U	1.00 U	7.93	--	1.00 U
10/9/03	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	18.60	0.19 U	0.17 U	5.19	--	0.26 U
3/29/04	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	22.58	0.19 U	0.17 U	8.71	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	22.03	0.29 U	0.27 U	14.08	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	10.04	0.29 U	0.27 U	8.62	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	21.18	0.29 U	0.27 U	16.64	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	4.81	0.29 U	0.27 U	1.65	--	0.23 U
9/26/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	13.70	0.29 U	0.27 U	3.21	--	0.23 U
10/4/07	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	1.01	0.3 U	0.27 U	0.25 U	--	34.09	0.29 U	0.27 U	10.99	--	1.00 U
3/27/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.50 U	0.1 U	0.21 U	0.15 U	--	20.83	0.13 U	0.15 U	2.68	--	0.26 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	0.14 U	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	0.36 J	2.50 U	1.00 U	0.94 J	1.0 U	1.00 U	1.00 U	--	17.90	1.00 U	1.00 U	4.36	--	0.39 J
7/29/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00	1.0 U	1.00 U	1.00 U	--	29.00	1.00 U	1.00 U	4.00	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.98 J	0.7 J	2.00 U	2.00 U	--	24.00	2.00 U	2.00 U	24.30	--	2.00 U
4/26/11	1.00 U	1.00 U	1.00 U	2.30	1.00 U	1.00 U	1.0 U	1.00 U	6.20	--	9.60	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/8/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.0 U	1.00 U	1.00 U	--	24.00	1.00 U	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
9/18/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	25.60	1.00 U	1.00 U	1.00 U	--	1.00 U
4/1/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.16	1.0 U	1.00 U	1.00 U	--	51.20	1.00 U	1.00 U	6.03	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.20	1.0 U	1.00 U	1.00 U	--	33.90	1.00 U	1.00 U	2.87	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.00	1.0 U	1.00 U	1.00 U	--	29.00	1.00 U	1.00 U	2.15	--	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.77	1.0 U	1.00 U	1.00 U	--	36.70	1.00 U	1.00 U	2.64	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.25	1.0 U	1.00 U	1.00 U	--	30.80	1.00 U	1.00 U	1.88	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.46	1.0 U	1.00 U	1.00 U	--	46.10	1.00 U	1.00 U	1.49	--	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.18	1.0 U	1.00 U	1.00 U	--	38.80	1.00 U	1.00 U	1.49	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.57	1.0 U	1.00 U	1.00 U	--	39.00	1.00 U	1.00 U	1.10	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.26	1.0 U	1.00 U	1.00 U	--	37.60	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.12	1.0 U	1.00 U	1.00 U	--	31.30	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.10	1.0 U	1.00 U	1.00 U	--	31.60	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.26	1.0 U	1.00 U	1.00 U	--	18.90	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.40	1.0 U	1.00 U	1.00 U	1 U	36.90	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.90	1.0 U	1.00 U	1.00 U	1 U	42.20	1.00 U	1.00 U	--	5 U	1.00 U
3/16/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	4.80	1.0 U	1.00 U	1.00 U	1 U	32.90	1.00 U	1.00 U	--	5 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	5.40	1.0 U	1.00 U	1.00 U	1 U	40.60	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	21.95	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	1.00 U	0.27 U	1.00 U	0.24 U	0.21 U	0.21 U
6/3/03	--	1.29	2.84	1.00 U	--	--	1.00 U	1.00 U	3.97	1.92	1.00 U	3.02	2.92	1.00 U	1.77
10/9/03	--	0.30 U	1.00 U	1.00 U	--	--	0.22 U	0.21 U	1.15	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	1.00 U
3/29/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	2.13	1.00 U	1.00 U	1.35	1.27	1.00 U	1.00 U
3/27/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	0.45 J	0.83 J	1.00 U	--	0.40 J	1.00 U	1.00 U	1.00	0.57 J	0.34 J	0.78 J	0.69 J	0.28 J	0.50 J
7/29/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	0.52 J	2.00 U	2.00 U	2.00 U
4/26/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/8/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB10 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
9/18/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/1/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/16/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location OB10 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
9/5/01	9.01	1.00 U	--	2.19	0.13 U	0.14 U	50.56	1.00 U	--	--	--
3/13/02	12.02	0.24 U	--	1.00 U	0.13 U	0.14 U	25.98	1.00 U	--	--	--
6/3/03	9.45	1.00 U	--	1.79	0.13 U	1.00 U	14.45	1.00 U	--	--	--
10/9/03	0.17 U	1.00 U	--	1.00	0.13 U	0.14 U	19.73	0.18 U	--	2.13	--
3/29/04	6.03	0.24 U	--	0.22 U	0.13 U	1.00 U	15.42	1.00 U	--	5.87	--
9/21/04	0.36 U	0.32 U	--	1.80	0.24 U	0.30 U	33.16	1.00 U	--	9.43	--
4/6/05	2.28	0.32 U	--	1.07	0.24 U	1.00 U	15.67	0.36 U	--	5.66	--
9/21/05	1.00 U	0.32 U	--	1.96	0.24 U	0.30 U	23.54	0.36 U	--	9.35	--
4/5/06	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	8.76	0.36 U	--	0.32 U	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	2.47	0.32 U	--	1.00 U	0.24 U	0.30 U	10.60	0.36 U	--	2.43	--
10/4/07	1.00 U	1.00 U	--	5.04	0.24 U	0.30 U	28.64	0.36 U	--	16.03	--
3/27/08	0.20 U	0.28 U	0	1.12	0.08 U	--	1.31	0.07 U	--	2.15	--
3/5/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
9/22/09	1.03	0.27 J	--	2.39	1.00 U	1.00 U	13.30	1.00 U	--	6.07	--
7/29/10	4.00	1.00 U	--	4.00	1.00 U	5.00 U	16.00	1.00 U	1 U	7.00	--
9/21/10	1.95 J	2.00 U	--	3.94	2.00 U	2.00 U	13.40	2.00 U	2 U	11.70	--
4/26/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/15/11	2.30	1.00 U	--	3.90	1.00 U	5.00 U	11.00	1.00 U	1 U	17.00	1 U
3/8/12	1.80	1.00 U	--	1.00 U	1.00 U	5.00 U	12.00	1.00 U	1 U	9.00	1 U



Gude Landfill

Printed 10/24/20

Monitoring Location OB10 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/18/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	14.40	1.00 U	5 U	12.50	--
4/1/13	3.43	1.00 U	--	5.16	1.00 U	5.00 U	25.40	1.00 U	5 U	26.60	--
9/23/13	1.00 U	1.00 U	--	2.22	1.00 U	5.00 U	17.90	1.00 U	5 U	14.40	--
3/6/14	1.75	1.00 U	--	2.61	1.00 U	5.00 U	12.60	1.00 U	5 U	15.20	--
9/4/14	1.88	1.00 U	--	3.11	1.00 U	5.00 U	13.10	1.00 U	5 U	19.20	--
3/19/15	1.26	1.00 U	--	2.61	1.00 U	5.00 U	10.00	1.00 U	5 U	17.10	--
9/3/15	1.00 U	1.00 U	--	3.05	1.00 U	5.00 U	15.60	1.00 U	5 U	23.50	--
3/22/16	1.00 U	1.00 U	--	2.43	1.00 U	5.00 U	11.90	1.00 U	5 U	18.20	--
8/30/16	1.00 U	1.00 U	--	2.39	1.00 U	5.00 U	10.20	1.00 U	5 U	18.10	--
3/8/17	1.00 U	1.00 U	--	2.17	1.00 U	5.00 U	8.95	1.00 U	5 U	15.40	--
9/13/17	1.00 U	1.00 U	--	1.87	1.00 U	5.00 U	6.50	1.00 U	5 U	13.20	--
4/3/18	1.00 U	1.00 U	--	2.32	1.00 U	5.00 U	4.26	1.00 U	5 U	16.30	--
9/11/18	1.00 U	1.00 U	--	1.31	1.00 U	5.00 U	3.17	1.00 U	5 U	10.50	--
4/8/19	1.00 U	1.00 U	--	2.20	1.00 U	1.00 U	5.80	1.00 U	1 U	20.90	--
7/30/19	1.00 U	1.00 U	--	2.90	1.00 U	1.00 U	6.00	1.00 U	1 U	28.10	--
3/16/20	1.00 U	1.00 U	--	1.80	1.00 U	1.00 U	3.10	1.00 U	1 U	19.20	--
8/3/20	1.00 U	1.00 U	--	2.30	1.00 U	1.00 U	2.50	1.00 U	1 U	27.30	--

**Gude Landfill**  
**Monitoring Location OB11A - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.193	0.005 U	0.005 U	76.0	0.01 U	0.02	0.009	0.8	0.005 U	56.2	6.520	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.179	0.005 U	0.005 U	90.9	0.01 U	0.02	0.006	0.9	0.005 U	67.6	6.630	0.0002 U
9/13/12	0.005 U	0.005 U	0.169	0.005 U	0.005 U	94.3	0.01 U	0.02	0.006	1.0	0.005 U	66.0	6.210	0.0002 U
3/26/13	0.005 U	0.005 U	0.190	0.005 U	0.005 U	83.9	0.01 U	0.02	0.014	1.0	0.005 U	63.2	6.700	0.0002 U
9/12/13	0.005 U	0.005 U	0.163	0.005 U	0.005 U	96.6	0.01 U	0.03	0.006	1.1	0.005 U	67.5	7.130	0.0002 U
3/11/14	0.005 U	0.005 U	0.203	0.005 U	0.005 U	80.7	0.01 U	0.02	0.005	0.8	0.005 U	60.1	6.430	0.0002 U
9/10/14	0.005 U	0.005 U	0.186	0.005 U	0.005 U	100.0	0.01 U	0.02	0.006	1.1	0.005 U	70.4	7.290	0.0002 U
3/19/15	0.002 U	0.002	0.180	0.002 U	0.002 J	99.0	0.02	0.02	0.003 J	0.5	0.002 U	73.0	7.600	0.0002 U
9/1/15	0.001 U	0.003	0.160	0.001 U	0.002	120.0	0.01 U	0.03	0.005 U	0.7	0.001 U	83.0	8.600	0.0002 U
3/21/16	0.002 U	0.002 U	0.199	0.002 U	0.002 U	108.0	0.00	0.03	0.002	1.4	0.002 U	76.8	8.870	0.0002 U
8/30/16	0.002 U	0.002	0.188	0.002 U	0.002 U	114.0	0.00 U	0.03	0.003	1.4	0.002 U	82.6	9.140	0.0002 U
3/8/17	0.002 U	0.004	0.158	0.002 U	0.002 U	125.0	0.00 U	0.04	0.014	2.3	0.002 U	86.0	9.530	0.0002 U
9/14/17	0.002 U	0.002 U	0.145	0.002 U	0.002 U	110.0	0.01	0.03	0.002 U	1.6	0.002 U	76.3	9.100	0.0002 U
3/29/18	0.002 U	0.003	0.156	0.002 U	0.002 U	122.0	0.01	0.03	0.002 U	1.0	0.002 U	81.1	10.900	0.0002 U
9/5/18	0.002 U	0.002	0.177	0.002 U	0.002 U	120.0	0.02	0.03	0.002 U	1.0	0.002 U	79.8	11.100	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB11A - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.02	6.6	0.005 U	0.01 U	84.5	0.005 U	0.01 U	0.024
9/6/11	0.02	--	--	--	--	--	--	--
3/12/12	0.02	6.6	0.005 U	0.01 U	98.9	0.005 U	0.01 U	0.023
9/13/12	0.03	7.3	0.005 U	0.01 U	95.2	0.005 U	0.01 U	0.020
3/26/13	0.02	7.6	0.005 U	0.01 U	96.0	0.005 U	0.01 U	0.021
9/12/13	0.02	6.7	0.005	0.01 U	97.8	0.005 U	0.01 U	0.019
3/11/14	0.02	6.8	0.005 U	0.01 U	88.4	0.005 U	0.01 U	0.021
9/10/14	0.02	6.0	0.006	0.01 U	103.0	0.005 U	0.01 U	0.019
3/19/15	0.04	6.0	0.035 U	0.01 U	96.0	0.002 U	0.01 U	0.021
9/1/15	0.03	6.4	0.009	0.00 U	110.0	0.001 U	0.01 U	0.022
3/21/16	0.02	5.3	0.006	0.00 U	106.0	0.001 U	0.00 U	0.017
8/30/16	0.03	5.7	0.007	0.00 U	113.0	0.001 U	0.00 U	0.016
3/8/17	0.04	5.4	0.008	0.00 U	118.0	0.001 U	0.00	0.018
9/14/17	0.03	5.4	0.005	0.00 U	109.0	0.001 U	0.00 U	0.014
3/29/18	0.03	5.3	0.008	0.00 U	115.0	0.001 U	0.00 U	0.017
9/5/18	0.03	5.0	0.006	0.00 U	106.0	0.001 U	0.00	0.020

**Gude Landfill**  
**Monitoring Location OB11A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	167.9440	0.001	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	195.5640	0.003	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	250.6500	0.003	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	86.7173	0.001 U	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	185.2330	0.005 U	--	--	--	--	--	--	--	--	0.010 U
10/9/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.014
3/25/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.011
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.050
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.013
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.014
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.015
4/17/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	270.0	0.22	30.8	310.0000	--	--	540.0	0.2000 U	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	280.0	1.70	30.0	290.0000	--	--	660.0	0.2000 U	0 U	0.05 U	--	--	--	--

**Gude Landfill**  
**Monitoring Location OB11A - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/20/11	292.0	2.11	33.7	211.0000	--	--	524.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/6/11	285.0	1.59	21.6	297.0000	--	--	598.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/12/12	279.0	1.11	30.4	300.0000	--	--	500.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/13/12	288.0	1.25	17.8	312.0000	--	--	508.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/26/13	298.0	1.79	26.5	282.0000	--	0	466.0	0.2000 U	0 U	0.05 U	350	6.00	--	--
9/12/13	302.0	1.18	23.1	327.0000	--	0	516.0	0.2000 U	0 U	0.05 U	292	5.61	--	--
3/11/14	295.0	1.99	20.6	266.0000	--	0	456.0	0.2000 U	--	--	306	5.71	--	--
9/10/14	49.0	1.00	29.4	329.0000	--	2	544.0	0.2000 U	0 U	0.05 U	295	5.94	--	--
3/19/15	285.0	0.36	31.3	325.0000	--	0	300.0	0.2000 U	0 U	0.05 U	321	6.42	--	--
9/1/15	333.0	0.42	35.1	425.0000	--	3	660.0	0.2000 U	0 U	0.05 U	234	5.83	--	--
3/21/16	316.0	0.31	31.8	401.0000	--	0	600.0	0.2000 U	0 U	0.11	296	5.97	--	--
8/30/16	351.0	0.37	34.4	387.0000	--	--	584.0	0.2000 U	0 U	0.05 U	267	5.66	--	--
3/8/17	107.0	0.30	26.0	428.0000	--	--	588.0	0.2000 U	0 U	0.05 U	302	5.94	--	--
9/14/17	330.0	0.57	28.9	358.0000	--	--	600.0	0.2000 U	0 U	0.05 U	291	5.97	--	--
3/29/18	327.0	0.27	37.4	396.0000	--	--	700.0	0.2000 U	0 U	0.05 U	133	6.01	--	--
9/5/18	325.0	0.43	32.4	399.0000	--	--	640.0	0.2000 U	0 U	0.05 U	119	5.93	--	--
4/10/19	353.0	0.58	34.0	404.0000	--	0	602.0 B	0.4000	--	--	83	5.86	5.53	--
7/29/19	356.0	0.46	27.8	426.0000	--	0	603.0 B	0.7000	--	--	200	5.81	5.26	--
3/11/20	345.0	0.47	32.6	394.0000	--	0	687.0	0.2000 U	--	--	122	5.87	5.99	--
7/30/20	349.0	0.54	52.7	424.0000	--	1	663.0	1.2100	--	--	129	5.50	6.00	--

Gude Landfill

Printed 10/24/20

Monitoring Location OB11A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	10.1	--
9/4/01	--	--	--	--	--	--	--	--	11.1	--
3/13/02	--	--	--	--	--	--	--	--	97.7	--
9/16/02	--	--	--	--	--	--	--	--	1.7	--
6/3/03	--	--	--	--	--	--	--	--	24.1	--
10/9/03	--	--	--	--	--	--	0 U	--	--	--
3/25/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	--	0 U	--	--	--
9/22/09	--	--	12.6	--	--	1192	--	--	2.0	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	--	18.4	--	--	1068	--	--	3.3	--

Gude Landfill

Monitoring Location OB11A - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/20/11	--	--	17.0 J	--	--	908	--	--	0.8	--
9/6/11	--	--	15.0	--	--	304	--	--	--	--
3/12/12	--	--	15.8	--	--	1048	--	--	--	--
9/13/12	--	--	15.7	--	--	904	--	--	--	--
3/26/13	2	--	16.6	--	15.4	830	--	--	--	0.0
9/12/13	1481	--	15.7	--	16.9	936	--	--	--	0.0
3/11/14	1274	--	20.0	--	15.7	1016	--	--	--	4.1
9/10/14	1510	--	15.4	--	16.6	854	--	--	--	0.0
3/19/15	1276	--	12.5	--	15.5	908	--	--	--	0.0
9/1/15	1873	--	8.5	--	25.4	969	--	--	--	0.0
3/21/16	1580	--	12.2	--	15.3	884	--	--	--	1.7
8/30/16	1686	--	12.2	--	16.8	989	--	--	--	0.0
3/8/17	1736	--	11.1	--	15.2	978	--	--	--	0.0
9/14/17	151598	--	12.0	--	16.8	909	--	--	--	0.6
3/29/18	1634	--	12.9	--	16.6	940	--	--	--	3.3
9/5/18	395	--	11.6	--	19.9	991	--	--	--	2.5
4/10/19	2200	1840	9.8	--	15.6	1170	--	2.6 U	1.8	1.7
7/29/19	1750	1870	10.7	--	17.4	1150	--	7.3	2.3	0.0
3/11/20	1738	1850	10.7	--	15.1	1040	--	3.1	1.7	0.1
7/30/20	1773	1980	9.7	--	18.6	1050	--	3.4	0.7	0.5

**Gude Landfill**  
**Monitoring Location OB11A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.1587	0.0005 U	--	0.0049	--	0.0003 U	0.0764	0.0100 U	--	0.0013 U
9/4/01	0.0020 U	0.0033	0.1826	0.0017 U	--	0.0054	--	0.0012 U	0.0650	0.0101	--	0.0067
3/13/02	0.0005 U	0.0032	0.1753	0.0017 U	--	0.0058	--	0.0012 U	0.0341	0.0071	--	0.0037
9/16/02	0.0007 U	0.0020 U	0.0092	0.0004 U	--	0.0020 U	--	0.0026	0.0025	0.0061	--	0.0024
6/3/03	0.0014 U	0.0040 U	0.2364	0.0008 U	--	0.0048	--	0.0010 U	0.0590	0.0246	--	0.0020 U
10/9/03	0.0045 U	0.0040 U	0.1753	0.0080 U	--	0.0100 U	--	0.0025 U	0.0524	0.0500 U	--	0.0020 U
3/25/04	0.0009 U	0.0020 U	0.0733	0.0016 U	--	0.0061	--	0.0020 U	0.0020 U	0.0100 U	--	0.0020 U
9/21/04	0.0028 U	0.0087	0.2284	0.0012 U	--	0.0100	--	0.0025	0.0614	0.0245	--	0.0179
4/6/05	0.0028 U	0.0020 U	0.0603	0.0012 U	--	0.0076	--	0.0020 U	0.0022	0.0160	--	0.0026
9/21/05	0.0028 U	0.0027	0.1653	0.0012 U	--	0.0051	--	0.0007 U	0.0437	0.0232	--	0.0030
4/4/06	0.0006 U	0.0020 U	0.1678	0.0007 U	--	0.0050	--	0.0020 U	0.0411	0.0149	--	0.0031
9/25/06	0.0007 U	0.0020 U	0.1785	0.0009 U	--	0.0020	--	0.0007 U	0.0360	0.0076	--	0.0007 U
4/17/07	0.0007 U	0.0020 U	0.1767	0.0009 U	0.363	--	--	0.0007 U	0.0664	0.0092	--	0.0007 U
10/3/07	0.0020 U	0.0072	0.1365	0.0009 U	0.612	--	--	0.0024	0.0239	0.0108	--	0.0079
3/26/08	0.0005 U	0.0031	0.1441	0.0010 U	0.265	--	--	0.0020 U	0.0361	0.0088	--	0.0020 U
9/24/08	0.0010 U	0.0040 U	0.1335	0.0020 U	0.775	--	--	0.0016 U	0.0332	0.0109	--	0.0020 U
3/9/09	0.0010 U	0.0100 U	0.1616	0.0012 U	0.441	--	--	0.0102	0.0204	0.0119	--	0.0100 U
9/22/09	0.0020 U	0.0020 U	0.1510	0.0020 U	--	0.0025	99.0	0.0020 U	0.0360	0.0103	1.6	0.0020 U
7/26/10	0.0010 U	0.0013	0.1500	0.0010 U	--	0.0032	--	0.0030	0.0340	0.0030	--	0.0010 U
9/15/10	0.0050 U	0.0050 U	0.1820	0.0050 U	--	0.0050 U	89.8	0.0050 U	0.0337	0.0102	1.3	0.0050 U
4/20/11	0.0050 U	0.0050 U	0.9570	0.0102	--	0.0059	84.7	0.0321	0.1440	0.1700	48.4 U	0.0723
9/6/11	0.0050 U	0.0050 U	0.1660	0.0050 U	--	0.0050 U	93.5	0.0050 U	0.0250	0.0057	1.0	0.0050 U
3/12/12	0.0050 U	0.0050 U	0.1830	0.0050 U	--	0.0050 U	93.4	0.0050 U	0.0250	0.0057	1.1	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB11A - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/13/12	0.0050 U	0.0050 U	0.1650	0.0050 U	--	0.0050 U	91.4	0.0050 U	0.0271	0.0065	1.1	0.0050 U
3/26/13	0.0050 U	0.0050 U	0.1910	0.0050 U	--	0.0050 U	85.3	0.0050 U	0.0240	0.0143	1.1	0.0050 U
9/12/13	0.0050 U	0.0050 U	0.1650	0.0050 U	--	0.0050 U	99.6	0.0050 U	0.0256	0.0065	1.2	0.0050 U
3/11/14	0.0050 U	0.0050 U	0.2060	0.0050 U	--	0.0050 U	79.6	0.0050 U	0.0235	0.0058	0.9	0.0050 U
9/10/14	0.0050 U	0.0050 U	0.1850	0.0050 U	--	0.0050 U	97.3	0.0050 U	0.0246	0.0067	1.1	0.0050 U
3/19/15	0.0020 U	0.0022	0.1800	0.0020 U	--	0.0026 J	100.0	0.0210	0.0250	0.0048 J	0.9	0.0020 U
9/1/15	0.0010 U	0.0035	0.1500	0.0010 U	--	0.0020	120.0	0.0050 U	0.0320	0.0050 U	0.8	0.0010 U
3/21/16	0.0020 U	0.0022	0.1930	0.0020 U	--	0.0020	110.0	0.0044	0.0271	0.0037	1.7	0.0020 U
8/30/16	0.0020 U	0.0020 U	0.1790	0.0020 U	--	0.0020 U	113.0	0.0020 U	0.0302	0.0038	1.6	0.0020 U
3/8/17	0.0020 U	0.0054	0.1610	0.0020 U	--	0.0020 U	121.0	0.0080	0.0388	0.0146	2.4	0.0020 U
9/14/17	0.0020 U	0.0020 U	0.1480	0.0020 U	--	0.0020 U	109.0	0.0051	0.0319	0.0020 U	1.7	0.0020 U
3/29/18	0.0020 U	0.0036	0.1590	0.0020 U	--	0.0020 U	126.0	0.0104	0.0300	0.0028	1.4	0.0020 U
9/5/18	0.0020 U	0.0028	0.1820	0.0020 U	--	0.0020 U	122.0	0.0104	0.0337	0.0046	1.3	0.0020 U
4/10/19	0.0010 U	0.0011	0.1650	0.0010 U	--	0.0010	99.7 B	0.0013	0.0383	0.0019	1.9	0.0010 U
7/29/19	0.0010 U	0.0012	0.1910	0.0010 U	--	0.0012	103.0 B	0.0013	0.0356	0.0080	2.0	0.0019
3/11/20	0.0010 U	0.0010 U	0.2070	0.0010 U	--	0.0012	113.0	0.0011	0.0363	0.0053	1.6	0.0011
7/30/20	0.0010 U	0.0011	0.1940	0.0010 U	--	0.0010 U	109.0	0.0011	0.0401	0.0027	1.8	0.0010 U

**Gude Landfill**  
**Monitoring Location OB11A - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	5.420	0.0002 U	0.0293	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	6.990	0.0001 U	0.0343	--	0.0020 U	0.0044 U	--	0.0010	0.2000 U	0.0007 U	--
3/13/02	--	6.386	0.0002 U	0.0224	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	1.182	0.0001 U	0.0055	--	0.0042	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
6/3/03	--	5.866	0.0004	0.0307	--	0.0024 U	0.0192 U	--	0.0020 U	0.0008 U	0.0006 U	--
10/9/03	--	5.688	0.0003	0.0323	--	0.0035 U	0.0110 U	--	0.0020 U	0.0003 U	0.0020 U	--
3/25/04	--	0.536	0.0019	0.0138	--	0.0020 U	0.0022 U	--	0.0004 U	0.0020 U	0.0004 U	--
9/21/04	--	5.137	0.0011	0.0437	--	0.0048	0.0018 U	--	0.0010 U	0.0020 U	0.0020 U	--
4/6/05	--	0.899	0.0019	0.0182	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	--	5.408	0.0003	0.0343	--	0.0022	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/4/06	--	6.889	0.0002 U	0.0382	--	0.0022	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	4.922	0.0003	0.0236	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0005	0.0228	--	0.0029	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0193
10/3/07	--	--	0.0014	0.0306	--	0.0067	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0229
3/26/08	--	--	0.0008	0.0285	--	0.0022	0.0001 U	--	0.0010 U	0.0500 U	0.0020 U	0.0219
9/24/08	--	--	0.0005	0.0269	--	0.0040 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0250
3/9/09	--	--	0.0009	0.0376	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0305
9/22/09	69.200	5.230	0.0002	0.0299	5.71	0.0048	0.0020 U	107.0	0.0020 U	--	0.0020 U	0.0249
7/26/10	--	--	0.0002	0.0250	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0270
9/15/10	67.000	6.380	0.0002 U	0.0232	6.81	0.0062	0.0050 U	101.0	0.0050 U	--	0.0050 U	0.0218
4/20/11	55.000	13.100	0.0002 U	0.0701	13.70 J	0.0185	0.0050 U	38.5 J	0.0050 U	--	0.0919	0.2670
9/6/11	68.600	5.830	0.0002 U	--	6.83	0.0050 U	0.0050 U	99.8	0.0050 U	--	0.0050 U	0.0210
3/12/12	69.900	6.290	0.0002 U	0.0186	6.41	0.0050 U	0.0050 U	99.4	0.0050 U	--	0.0050 U	0.0211

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB11A - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/13/12	64.800	6.140	0.0002 U	0.0226	6.84	0.0071	0.0050 U	95.1	0.0050 U	--	0.0050 U	0.0223
3/26/13	65.700	6.820	0.0002 U	0.0202	7.39	0.0050 U	0.0050 U	99.5	0.0050 U	--	0.0050 U	0.0206
9/12/13	70.600	7.210	0.0002 U	0.0239	6.78	0.0050 U	0.0050 U	102.0	0.0050 U	--	0.0050 U	0.0192
3/11/14	57.400	6.800	0.0002 U	0.0179	6.79	0.0050 U	0.0050 U	83.0	0.0050 U	--	0.0050 U	0.0222
9/10/14	69.100	7.370	0.0002 U	0.0225	5.83	0.0054	0.0050 U	99.7	0.0050 U	--	0.0050 U	0.0189
3/19/15	76.000	7.800	0.0003	0.0400	5.90	0.0350 U	0.0100 U	95.0	0.0020 U	--	0.0100 U	0.0220
9/1/15	84.000	8.700	0.0002 U	0.0260	6.40	0.0094	0.0010 U	120.0	0.0011	--	0.0050 U	0.0190
3/21/16	77.600	8.920	0.0002 U	0.0240	4.64	0.0062	0.0020 U	106.0	0.0010 U	--	0.0020 U	0.0169
8/30/16	80.000	9.250	0.0002 U	0.0264	5.37	0.0055	0.0020 U	111.0	0.0010 U	--	0.0020 U	0.0141
3/8/17	83.900	10.600	0.0002 U	0.0387	5.24	0.0084	0.0020 U	115.0	0.0010 U	--	0.0026	0.0183
9/14/17	75.700	9.220	0.0002 U	0.0275	5.36	0.0045	0.0020 U	108.0	0.0010 U	--	0.0020 U	0.0144
3/29/18	85.000	10.300	0.0002 U	0.0299	5.45	0.0078	0.0020 U	120.0	0.0010 U	--	0.0020 U	0.0163
9/5/18	81.200	10.900	0.0002 U	0.0319	5.10	0.0069	0.0020 U	108.0	0.0010 U	--	0.0028	0.0200
4/10/19	85.800	13.200	0.0002	0.0342	5.67	0.0010	0.0010 U	123.0	0.0010 U	--	0.0010 U	0.0189
7/29/19	83.900	13.500	0.0010	0.0325	5.70	0.0010 U	0.0010 U	118.0 B	0.0010 U	--	0.0010 U	0.0204
3/11/20	98.300	14.700	0.0003	0.0310	5.95	0.0010 U	0.0010 U	139.0	0.0010 U	--	0.0010 U	0.0219
7/30/20	95.000	14.600	0.0003	0.0340	5.92	0.0010 U	0.0010 U	136.0	0.0010 U	--	0.0010 U	0.0188

Gude Landfill

Printed 10/24/20

Monitoring Location OB11A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	20.54	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.22	3.07
9/4/01	0.18 U	1.00 U	0.23 U	5.49	43.34	1.26	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	2.69	6.21
3/13/02	0.18 U	1.00 U	0.23 U	5.31	60.97	1.71	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	4.55	10.71
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	1.43	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	1.19
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	13.69	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.17	2.59
10/9/03	0.18 U	0.15 U	0.23 U	0.22 U	23.13	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	1.8	1.96	4.87
3/25/04	0.18 U	0.15 U	0.23 U	0.22 U	18.91	1.00 U	0.22 U	0.18 U	1.00 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	2.28
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	26.32	1.00 U	0.35 U	2.00	0.40 U	1.00 U	0.33 U	0.28 U	2.2	2.59	7.10
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	9.72	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	2.69
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	30.41	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.16	6.69
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	27.58	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.15	7.89
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	6.36	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	2.36	5.03
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	14.01	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	3.93
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	28.55	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	5.76	8.63
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	28.90	0.76	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	2.5	5.34	7.85
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	24.24	0.53	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	2.1	4.48	7.26
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	23.08	0.61	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	--	3.60	6.44
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	27.80	0.89 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.5	1.00 U	7.20
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	29.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	2.0	4.00	7.00
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	16.40	1.07 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	1.1 J	1.88 J	4.06

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location OB11A - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.80	2.8	1.00 U	3.70
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	15.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	2.1	1.00 U	4.60
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	15.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	15.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.9	2.48	4.08
9/12/13	1.00 U	1.00 U	1.00 U	1.00 U	16.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.1	3.56	3.75
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	13.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	2.09	3.90
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	15.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.2	2.50	4.48
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	15.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.1	2.68	4.70
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	16.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.7	2.66	5.10
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	14.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.5	2.41	4.46
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	15.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.6	2.60	4.94
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	13.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.6	2.16	4.20
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	14.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.5	2.57	4.67
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	13.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.3	2.31	4.45
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	5.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.1	1.00 U	2.10
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	13.70	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	2.8	2.60	4.80
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	10.10	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	2.5	1.50	3.50
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	12.30	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	2.8	2.20	4.60

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	6.48	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	1.00 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	12.45	0.27 U	1.00 U
3/13/02	0.21 U	0.19 U	10.00 U	1.00 U	--	1.00 U	0.18 U	0.14 U	--	1.00 U	--	--	--	17.54	0.27 U	1.00 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	4.70	0.27 U	0.20 U
10/9/03	0.21 U	0.19 U	6.16	0.11 U	1.21	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	7.54	0.27 U	0.20 U
3/25/04	0.21 U	0.19 U	10.00 U	0.11 U	0.11	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	9.88	0.23 U	0.29 U	0.37 U	1.15	0.29 U	--	0.39 U	--	--	--	7.71	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.75	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	8.53	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	5.66	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	5.76	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	4.87	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	10.45	0.23 U	2.95	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	9.72	0.31 U	1.00 U
3/26/08	0.24 U	0.20 U	11.24	1.43	--	0.27 U	--	0.25 U	--	--	--	--	--	7.37	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	12.30	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	7.13	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	--	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	6.67	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	15.20	1.00 U	0.66 J	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	7.51	1.00 U	1.00 U
7/26/10	--	1.00 U	15.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	7.00	--	1.00 U
9/15/10	2.00 U	2.00 U	9.32	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	22.80	--	2 U	--	3.59	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

Gude Landfill

Printed 10/24/20

Monitoring Location OB11A - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	3.50	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	15.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	4.30	--	1.00 U
9/13/12	1.00 U	1.00 U	13.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	13.80	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.73	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	15.00	1.43	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.13	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	13.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.94	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	15.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.93	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	12.20	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.47	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	18.00	1.01	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.59	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	17.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.31	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	18.10	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.33	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	17.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.81	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	17.30	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.01	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	16.50	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.82	1.00 U	1.00 U
4/10/19	--	1.00 U	8.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/29/19	--	1.00 U	18.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.20	--	5 U	1 U	2.80	--	1.00 U
3/11/20	--	1.00 U	18.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.50	--	1.00 U
7/30/20	--	1.00 U	20.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.80	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	36.21	1.0 U	1.00 U	0.21 U	--	56.95	0.19 U	0.17 U	34.44	--
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	76.27	1.5	1.00 U	0.21 U	--	118.77	0.19 U	0.17 U	54.78	--
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	102.70	1.3	1.20	0.21 U	--	99.48	0.19 U	1.00 U	80.37	--
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	13.44	0.19 U	0.17 U	1.00 U	--
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	19.98	1.0 U	0.23 U	0.21 U	--	54.65	0.19 U	0.17 U	13.96	--
10/9/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	38.78	1.0 U	1.00 U	0.21 U	--	87.72	0.19 U	0.17 U	24.07	--
3/25/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	4.61	1.0 U	1.00 U	0.21 U	--	37.71	0.19 U	0.17 U	18.50	--
9/21/04	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	54.04	1.0 U	1.00 U	0.25 U	--	102.11	0.29 U	0.27 U	44.59	--
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	5.74	0.3 U	0.27 U	0.25 U	--	23.84	0.29 U	0.27 U	21.93	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	51.74	1.0 U	1.00 U	0.25 U	--	126.58	0.29 U	0.27 U	62.80	--
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	51.24	1.0 U	0.27 U	0.25 U	--	119.67	0.29 U	0.27 U	26.88	--
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	34.47	0.3 U	0.27 U	0.25 U	--	100.04	0.29 U	0.27 U	16.99	--
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	23.03	1.0 U	0.27 U	0.25 U	--	86.72	0.29 U	0.27 U	12.06	--
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	52.49	1.0 U	1.00 U	0.25 U	--	189.64	0.29 U	0.27 U	38.65	--
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	42.48	0.5 U	0.50 U	0.50 U	--	189.43	0.13 U	0.15 U	30.91	--
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	39.60	0.5	0.50 U	0.20 U	--	173.52	0.12 U	0.13 U	24.29	--
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	33.51	0.1 U	0.12 U	0.50 U	--	148.44	0.12 U	0.13 U	25.02	--
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	36.90	0.7 J	1.00 U	1.00 U	--	168.00	1.00 U	1.00 U	30.00	--
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	34.00	1.0 U	1.00 U	1.00 U	--	180.00	1.00 U	1.00 U	17.00	--
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	20.60	0.9 J	2.00 U	2.00 U	--	81.60	2.00 U	2.00 U	90.30	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	29.00	1.0 U	1.00 U	1.40	--	76.00	1.00 U	1.00 U	--	--
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	24.00	1.0 U	1.00 U	1.00 U	--	100.00	1.00 U	1.00 U	--	--
9/13/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	22.30	1.0 U	1.00 U	1.00 U	--	89.00	1.00 U	1.00 U	12.00	--
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	20.50	1.0 U	1.00 U	1.00 U	--	78.60	1.00 U	1.00 U	9.99	--
9/12/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	21.10	1.0 U	1.00 U	1.00 U	--	96.50	1.00 U	1.00 U	9.86	--
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	17.60	1.0 U	1.00 U	1.00 U	--	68.50	1.00 U	1.00 U	6.57	--
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.68	1.00 U	1.00 U	1.00 U	--
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	21.40	1.0 U	1.00 U	1.00 U	--	75.80	1.00 U	1.00 U	2.54	--
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	20.20	1.0 U	1.00 U	1.00 U	--	74.20	1.00 U	1.00 U	4.95	--
3/21/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	25.20	1.0 U	1.00 U	1.00 U	--	74.80	1.00 U	1.00 U	5.60	--
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	23.30	1.0 U	1.00 U	1.00 U	--	68.10	1.00 U	1.00 U	4.01	--
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	24.30	1.0 U	1.00 U	1.00 U	--	73.80	1.00 U	1.00 U	3.53	--
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	21.50	1.0 U	1.00 U	1.00 U	--	65.50	1.00 U	1.00 U	2.60	--
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	22.40	1.0 U	1.00 U	1.00 U	--	68.30	1.00 U	1.00 U	2.52	--
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	20.40	1.0 U	1.00 U	1.00 U	--	60.80	1.00 U	1.00 U	2.40	--
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	9.10	1.0 U	1.00 U	1.00 U	1 U	27.60	1.00 U	1.00 U	--	5 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	23.60	1.0 U	1.00 U	1.00 U	1 U	97.30	1.00 U	1.00 U	--	5 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.70	1.0 U	1.00 U	1.00 U	1 U	56.70	1.00 U	1.00 U	--	5 U
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	26.10	1.0 U	1.00 U	1.00 U	1 U	66.40	1.00 U	1.00 U	--	5 U

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000					5			10000			100
4/27/01	0.26 U	--	1.00 U	0.28 U	0.17 U	--	--	0.22 U	17.41	0.22 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U
9/4/01	0.26 U	--	1.02	0.28 U	0.17 U	--	--	0.22 U	36.20	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U
3/13/02	0.26 U	--	1.84	1.00 U	0.17 U	--	--	0.22 U	52.22	1.00 U	0.23 U	1.00 U	0.17 U	1.00 U	0.21 U
9/16/02	0.26 U	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
6/3/03	0.26 U	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	7.18	1.00 U	0.23 U	1.00 U	0.17 U	1.00 U	0.21 U
10/9/03	0.26 U	--	1.00 U	0.28 U	0.17 U	--	--	0.22 U	11.68	1.00 U	0.23 U	0.27 U	0.17 U	1.00 U	0.21 U
3/25/04	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	13.59	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/21/04	0.23 U	--	1.38	2.00 U	0.28 U	--	--	0.25 U	15.83	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
4/6/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	1.53	0.40 U	0.28 U	--	--	0.25 U	10.77	0.23 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
4/4/06	0.23 U	--	1.07	0.40 U	0.28 U	--	--	0.25 U	8.39	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
9/25/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	3.60	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/17/07	0.23 U	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	2.74	0.23 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
10/3/07	0.23 U	--	1.55	0.40 U	0.28 U	--	--	0.25 U	9.30	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
3/26/08	0.26 U	--	1.23	0.43 U	--	--	5.00 U	0.15 U	5.59	0.22 U	0.21 U	0.22 U	0.22 U	0.50 U	0.20 U
9/24/08	0.12 U	--	1.03	0.23 U	--	--	5.00 U	0.20 U	1.73	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U
3/9/09	0.12 U	--	0.87	0.23 U	--	--	5.76	0.20 U	2.72	0.12 U	0.12 U	0.11 U	0.12 U	0.50 U	0.11 U
9/22/09	1.00 U	--	0.73 J	2.00 U	1.00 U	--	2.49	1.00 U	1.77	1.00 U	1.00 U	1.00 U	1.00 U	0.36 J	1.00 U
7/26/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	3.00	--	--	1.00 U	--	--	1.00 U
9/15/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	2.00	2.00 U	5.45	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
4/20/11	1.00 U	--	--	--	1.00 U	--	3.80	1.00 U	1.80	--	--	--	--	--	1.00 U
9/6/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
3/12/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
9/13/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
7/29/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	2.10	1.00 U	5.60	--	--	1.00 U	--	--	1.00 U
3/11/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.60	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
7/30/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.90	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U

Gude Landfill

Monitoring Location OB11A - Volatile Organic Compounds

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	80	100			5			2	10000
4/27/01	0.21 U	31.27	0.24 U	--	2.55	0.13 U	1.00 U	31.80	3.62	--	--	--
9/4/01	0.21 U	90.32	0.24 U	--	4.86	0.13 U	1.00 U	73.37	6.70	--	--	--
3/13/02	0.21 U	115.70	1.00 U	--	7.04	0.13 U	1.09	101.67	9.27	--	--	--
9/16/02	0.21 U	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	7.41	0.18 U	--	--	--
6/3/03	0.21 U	20.10	0.24 U	--	2.01	0.13 U	0.14 U	19.82	1.93	--	--	--
10/9/03	0.21 U	67.55	1.00 U	--	4.03	0.13 U	0.14 U	41.58	2.72	--	6.93	--
3/25/04	0.21 U	15.44	0.24 U	--	1.00 U	0.13 U	1.00 U	16.84	0.18 U	--	0.96	--
9/21/04	1.00 U	53.93	1.00 U	--	3.65	0.24 U	0.30 U	51.64	4.34	--	10.51	--
4/6/05	0.18 U	28.72	0.32 U	--	0.45 U	0.24 U	0.30 U	16.94	1.95	--	1.00 U	--
9/21/05	0.18 U	42.58	1.00 U	--	4.65	0.24 U	0.30 U	50.65	2.97	--	13.30	--
4/4/06	0.18 U	47.07	0.32 U	--	3.57	0.24 U	0.30 U	52.60	2.52	--	7.95	--
9/25/06	0.18 U	37.10	0.32 U	--	3.67	0.24 U	0.30 U	34.14	1.24	--	12.01	--
4/17/07	0.18 U	23.91	0.32 U	--	2.74	0.24 U	0.30 U	24.25	1.04	--	10.23	--
10/3/07	1.00 U	51.32	1.00 U	--	8.79	0.24 U	0.30 U	53.80	3.79	--	18.34	--
3/26/08	0.23 U	54.18	0.28 U	0	9.82	0.08 U	--	50.90	2.90	--	13.71	--
9/24/08	0.13 U	53.26	0.50 U	0	10.82	0.13 U	--	45.34	2.10	--	12.75	--
3/9/09	0.13 U	44.75	0.50 U	0	5.07	0.13 U	--	39.05	2.09	--	13.43	--
9/22/09	1.00 U	33.80	1.00 U	--	5.45	1.00 U	1.00 U	42.40	2.14	--	15.40	--
7/26/10	--	46.00	1.00 U	--	5.00	1.00 U	5.00 U	41.00	1.00 U	1 U	15.00	--
9/15/10	2.00 U	10.70	2.00 U	--	3.18	2.00 U	2.00 U	21.60	2.53	2 U	31.60	--

**Gude Landfill**  
**Monitoring Location OB11A - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/20/11	--	14.00	1.00 U	--	1.00 U	1.00 U	5.00 U	17.00	2.90	1 U	11.00	1 U
9/6/11	--	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	--	27.00	1.00 U	--	3.10	1.00 U	5.00 U	28.00	1.00 U	1 U	12.00	1 U
9/13/12	1.00 U	22.80	1.00 U	--	1.00 U	1.00 U	5.00 U	24.70	1.00 U	5 U	13.10	--
3/26/13	1.00 U	19.10	1.00 U	--	3.02	1.00 U	5.00 U	24.00	1.00 U	5 U	12.90	--
9/12/13	1.00 U	19.70	1.00 U	--	3.91	1.00 U	5.00 U	28.80	1.00 U	5 U	14.90	--
3/11/14	1.00 U	12.80	1.00 U	--	2.68	1.00 U	5.00 U	20.10	1.00 U	5 U	11.10	--
9/10/14	1.00 U	1.23	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	10.30	1.00 U	--	2.94	1.00 U	5.00 U	21.50	1.00 U	5 U	14.70	--
9/1/15	1.00 U	6.78	1.00 U	--	2.93	1.00 U	5.00 U	18.60	1.00 U	5 U	14.00	--
3/21/16	1.00 U	8.60	1.00 U	--	3.44	1.00 U	5.00 U	20.90	1.00 U	5 U	15.90	--
8/30/16	1.00 U	6.69	1.00 U	--	3.06	1.00 U	5.00 U	15.80	1.00 U	5 U	14.80	--
3/8/17	1.00 U	5.85	1.00 U	--	3.33	1.00 U	5.00 U	15.10	1.00 U	5 U	15.40	--
9/14/17	1.00 U	4.99	1.00 U	--	2.84	1.00 U	5.00 U	12.50	1.00 U	5 U	12.70	--
3/29/18	1.00 U	4.45	1.00 U	--	2.99	1.00 U	5.00 U	13.40	1.00 U	5 U	13.20	--
9/5/18	1.00 U	3.78	1.00 U	--	2.95	1.00 U	5.00 U	11.80	1.07	5 U	14.40	--
4/10/19	--	1.40	1.00 U	--	1.30	1.00 U	1.00 U	4.30	1.00 U	1 U	6.90	--
7/29/19	--	10.40	1.00 U	--	3.30	1.00 U	1.00 U	12.10	1.00 U	1 U	15.00	--
3/11/20	--	2.80	1.00 U	--	2.60	1.00 U	1.00 U	9.50	1.00 U	1 U	14.10	--
7/30/20	--	2.70	1.00 U	--	2.90	1.00 U	1.00 U	8.80	1.00 U	1 U	16.50	--

**Gude Landfill**  
**Monitoring Location OB11 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.030	0.005 U	0.011	123.0	0.01 U	0.01 U	0.008	0.6	0.005 U	61.1	0.827	0.0007
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.030	0.005 U	0.010	130.0	0.01 U	0.01 U	0.007	0.7	0.005 U	66.5	--	0.0006
9/13/12	0.005 U	0.005 U	0.032	0.005 U	0.010	140.0	0.01 U	0.01 U	0.008	0.8	0.005 U	69.1	0.797	0.0008
3/26/13	0.005 U	0.005 U	0.030	0.005 U	0.011	134.0	0.01 U	0.01 U	0.016	0.7	0.005 U	69.2	0.806	0.0009
9/12/13	0.005 U	0.005 U	0.029	0.005 U	0.010	142.0	0.01 U	0.01 U	0.008	0.6	0.005 U	69.7	0.787	0.0007
9/16/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/11/14	0.005 U	0.005 U	0.031	0.005 U	0.011	127.0	0.01 U	0.01 U	0.007	0.6	0.005 U	65.7	0.840	0.0016
9/10/14	0.005 U	0.005 U	0.032	0.005 U	0.011	141.0	0.01 U	0.01 U	0.008	0.7	0.005 U	70.8	0.855	0.0008
3/19/15	0.002 U	0.002 U	0.022	0.002 U	0.012	130.0	0.00 J	0.01 U	0.003 J	0.0 U	0.002 U	73.0	0.830	0.0010
9/1/15	0.001 U	0.003	0.024	0.001 U	0.011	140.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	71.0	0.890	0.0011
3/21/16	0.002 U	0.002 U	0.025	0.002 U	0.011	133.0	0.01	0.00 U	0.003	0.9	0.002 U	71.9	0.849	0.0009
8/30/16	0.002 U	0.002	0.028	0.002 U	0.011	135.0	0.00 U	0.00 U	0.004	0.8	0.002 U	75.5	0.974	0.0006
3/8/17	0.002 U	0.005	0.026	0.002 U	0.012	140.0	0.00 U	0.00	0.009	1.0	0.002 U	74.9	1.030	0.0002 U
9/14/17	0.002 U	0.002 U	0.024	0.002 U	0.012	139.0	0.01	0.00 U	0.003	0.8	0.002 U	76.3	1.080	0.0002 U
3/29/18	0.002 U	0.002	0.025	0.002 U	0.014	146.0	0.01	0.00 U	0.004	0.2 U	0.002 U	76.4	1.230	0.0003
9/5/18	0.002 U	0.002	0.024	0.002 U	0.013	148.0	0.02	0.00 U	0.004	0.1 U	0.002 U	77.5	1.300	0.0002 U

Gude Landfill

Monitoring Location OB11 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.03	4.8	0.006	0.01 U	63.4	0.005 U	0.01 U	0.045
9/6/11	0.03	--	--	--	--	--	--	--
3/12/12	0.03	5.2	0.005 U	0.01 U	68.3	0.005 U	0.01 U	0.043
9/13/12	0.04	5.7	0.006	0.01 U	72.0	0.005 U	0.01 U	0.043
3/26/13	0.04	5.5	0.007	0.01 U	76.0	0.005 U	0.01 U	0.045
9/12/13	0.03	4.9	0.006	0.01 U	72.6	0.005 U	0.01 U	0.043
9/16/13	0.03	--	--	--	--	--	--	--
9/19/13	0.03	--	--	--	--	--	--	--
3/11/14	0.03	5.0	0.006	0.01 U	70.9	0.005 U	0.01 U	0.043
9/10/14	0.04	4.8	0.007	0.01 U	79.7	0.005 U	0.01 U	0.041
3/19/15	0.04	5.5	0.006 J	0.01 U	85.0	0.002 U	0.01 U	0.043
9/1/15	0.04	5.6	0.010	0.00 U	80.0	0.001 U	0.01 U	0.043
3/21/16	0.03	4.6	0.007	0.00 U	79.4	0.001 U	0.00 U	0.036
8/30/16	0.03	5.0	0.007	0.00 U	84.5	0.001 U	0.00 U	0.036
3/8/17	0.04	4.6	0.008	0.00 U	87.1	0.001 U	0.00	0.041
9/14/17	0.03	4.5	0.005	0.00 U	89.4	0.001 U	0.00 U	0.037
3/29/18	0.03	4.8	0.010	0.00 U	93.0	0.001 U	0.00	0.038
9/5/18	0.03	4.4	0.007	0.00 U	89.4	0.001 U	0.00	0.043

**Gude Landfill**  
**Monitoring Location OB11 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/27/01	--	--	--	94.6452	0.001 U	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	96.8634	0.003	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	107.3320	0.002	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	41.4197	0.001 U	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	156.2980	0.002 U	--	--	--	--	--	--	--	--	0.018
10/9/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.017
3/25/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.047
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.016
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.020
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.044
4/17/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.048
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	201.0	0.20 U	27.5	330.0000	--	--	550.0	0.2000 U	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	200.0	0.20 U	29.0	358.0000	--	--	600.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



**Gude Landfill**  
**Monitoring Location OB11 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/20/11	211.0	0.20 U	32.5	259.0000	--	--	563.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/6/11	215.0	0.20 U	22.4	371.0000	--	--	581.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/12/12	217.0	0.20 U	32.8	407.0000	--	--	596.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/13/12	219.0	0.20 U	24.0	398.0000	--	--	592.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/26/13	221.0	0.20 U	37.8	397.0000	--	0	576.0	0.2000 U	0 U	0.05 U	385	5.81	--	--
9/12/13	228.0	0.20 U	22.5	392.0000	--	0	606.0	0.2000 U	0 U	0.05 U	327	5.41	--	--
9/16/13	--	--	--	--	--	1	480.0	--	--	--	-23	6.00	--	--
9/19/13	--	--	--	--	--	0	580.0	--	--	--	211	5.55	--	--
3/11/14	223.0	0.20 U	31.6	398.0000	--	0	612.0	0.2000 U	--	--	348	5.47	--	--
9/10/14	283.0	0.20 U	37.5	417.0000	--	2	606.0	0.2000 U	0 U	0.05 U	328	5.77	--	--
3/19/15	202.0	0.20 U	29.3	394.0000	--	1	650.0	0.2000 U	0 U	0.05 U	347	6.16	--	--
9/1/15	218.0	0.20 U	25.3	426.0000	--	--	650.0	0.2000 U	0 U	0.05 U	323	5.67	--	--
3/21/16	214.0	0.20 U	30.4	438.0000	--	0	650.0	0.2000 U	0 U	0.05 U	391	5.73	--	--
8/30/16	228.0	0.20 U	30.3	424.0000	--	--	72.0	0.2000 U	0 U	0.05 U	295	5.46	--	--
3/8/17	240.0	0.20 U	25.3	436.0000	--	--	700.0	0.2000 U	0 U	0.05 U	355	5.68	--	--
9/14/17	241.0	0.20 U	28.0	445.0000	--	0	640.0	0.2000 U	0 U	0.05 U	381	5.73	--	--
3/29/18	249.0	0.20 U	41.8	432.0000	--	--	720.0	0.2000 U	0 U	0.05 U	201	5.55	--	--
9/5/18	247.0	0.20 U	32.2	467.0000	--	--	692.0	0.2000 U	0 U	0.05 U	195	5.71	--	--
4/10/19	255.0	0.10 U	34.0	458.0000	--	0	751.0 B	0.5000	--	--	159	5.63	5.50	--
7/29/19	252.0	0.10 U	38.4	453.0000	--	0	615.0 B	0.7000	--	--	200	5.61	5.14	--
3/11/20	256.0	0.10 U	36.4	438.0000	--	1	780.0	0.2000 U	--	--	71	5.79	5.86	--
7/30/20	250.0	0.10 U	42.4	429.0000	--	1	668.0	1.0300	--	--	179	5.73	5.81	--

Gude Landfill

Monitoring Location OB11 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/27/01	--	--	--	--	--	--	--	--	0.1	--
9/4/01	--	--	--	--	--	--	--	--	1.5	--
3/13/02	--	--	--	--	--	--	--	--	3.7	--
9/16/02	--	--	--	--	--	--	--	--	2.5	--
6/3/03	--	--	--	--	--	--	0	--	1.6	--
10/9/03	--	--	--	--	--	--	0 U	--	--	--
3/25/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	--	0 U	--	--	--
9/22/09	--	--	9.0	--	--	1208	--	--	1.2	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	--	9.5	--	--	1416	--	--	5.8	--

Gude Landfill

Monitoring Location OB11 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/20/11	--	--	9.5	--	--	1116	--	--	0.7	--
9/6/11	--	--	10.2	--	--	1036	--	--	--	--
3/12/12	--	--	11.2	--	--	1404	--	--	--	--
9/13/12	--	--	10.3	--	--	1212	--	--	--	--
3/26/13	2	--	10.5	--	16.2	1018	--	--	--	0.0
9/12/13	1539	--	12.2	--	17.2	1122	--	--	--	0.0
9/16/13	1	--	--	--	17.0	--	--	--	2.8	3.4
9/19/13	2	--	--	--	14.4	--	--	--	0.4	7.5
3/11/14	1526	--	11.9	--	16.5	1060	--	--	--	1.5
9/10/14	1627	--	11.7	--	17.0	1074	--	--	--	0.3
3/19/15	1352	--	10.7	--	15.5	920	--	--	--	0.0
9/1/15	1611	--	9.6	--	17.9	983	--	--	--	1.9
3/21/16	1538	--	11.4	--	14.1	960	--	--	--	7.2
8/30/16	1637	--	12.9	--	17.0	982	--	--	--	0.0
3/8/17	1599	--	12.7	--	16.1	799	--	--	--	0.0
9/14/17	1835	--	11.2	--	18.2	1160	--	--	--	6.3
3/29/18	1676	--	12.8	--	16.8	999	--	--	--	0.0
9/5/18	1752	--	12.1	--	20.5	1020	--	--	--	1.8
4/10/19	2199	1830	12.6	--	15.8	1440	--	2.6 U	0.5 U	1.8
7/29/19	1680	1820	22.2	--	17.4	1390	--	4.0 U	0.5 U	0.0
3/11/20	1689	1840	12.4	--	14.8	1090	--	4.0	1.2	0.5
7/30/20	1614	1900	11.7	--	18.2	1020	--	5.0 J	0.5 U	0.5

**Gude Landfill**  
**Monitoring Location OB11 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/27/01	0.0007 U	0.0020 U	0.0154	0.0005 U	--	0.0049	--	0.0020 U	0.0007 U	0.0151	--	0.0013 U
9/4/01	0.0020 U	0.0020 U	0.0199	0.0017 U	--	0.0059	--	0.0020 U	0.0020 U	0.0061	--	0.0020 U
3/13/02	0.0005 U	0.0020 U	0.0209	0.0017 U	--	0.0074	--	0.0020 U	0.0004 U	0.0090	--	0.0022
9/16/02	0.0007 U	0.0020 U	0.0435	0.0004 U	--	0.0020 U	--	0.0020	0.0027	0.0122	--	0.0020 U
6/3/03	0.0007 U	0.0020 U	0.0266	0.0004 U	--	0.0054	--	0.0020 U	0.0020 U	0.0213	--	0.0020 U
10/9/03	0.0009 U	0.0020 U	0.0334	0.0016 U	--	0.0051	--	0.0020 U	0.0025	0.0100 U	--	0.0020 U
3/25/04	0.0009 U	0.0020 U	0.2086	0.0016 U	--	0.0034	--	0.0020 U	0.0613	0.0100 U	--	0.0020 U
9/21/04	0.0028 U	0.0020 U	0.0803	0.0012 U	--	0.0081	--	0.0023	0.0027	0.0135	--	0.0074
4/6/05	0.0028 U	0.0055	0.1537	0.0012 U	--	0.0036	--	0.0007 U	0.0452	0.0164	--	0.0028
9/21/05	0.0028 U	0.0020 U	0.0559	0.0012 U	--	0.0023	--	0.0020 U	0.0020 U	0.0112	--	0.0026
4/4/06	0.0006 U	0.0020 U	0.0535	0.0007 U	--	0.0056	--	0.0020 U	0.0020 U	0.0090	--	0.0023
9/25/06	0.0007 U	0.0020 U	0.0229	0.0009 U	--	0.0099	--	0.0027	0.0020 U	0.0091	--	0.0020 U
4/17/07	0.0007 U	0.0021	0.0258	0.0009 U	0.322	--	--	0.0020 U	0.0020 U	0.0083	--	0.0020 U
10/3/07	0.0007 U	0.0020 U	0.0320	0.0009 U	0.236	--	--	0.0037	0.0036	0.0069	--	0.0007 U
3/26/08	0.0005 U	0.0024	0.0267	0.0010 U	0.400 U	--	--	0.0020 U	0.0020 U	0.0063	--	0.0020 U
9/24/08	0.0010 U	0.0040 U	0.0331	0.0020 U	0.400 U	--	--	0.0016 U	0.0024 U	0.0062	--	0.0020 U
3/9/09	0.0010 U	0.0100 U	0.0286	0.0012 U	0.348	--	--	0.0100 U	0.0100 U	0.0100 U	--	0.0007 U
9/22/09	0.0020 U	0.0020 U	0.0272	0.0020 U	--	0.0088	126.0	0.0020 U	0.0019 J	0.0083	0.5	0.0020 U
7/26/10	0.0010 U	0.0013	0.0220	0.0010 U	--	0.0100	--	0.0019	0.0018	0.0045	--	0.0010 U
9/15/10	0.0050 U	0.0050 U	0.0261	0.0050 U	--	0.0090	133.0	0.0050 U	0.0050 U	0.0112	1.2	0.0050 U
4/20/11	0.0050 U	0.0050 U	0.0301	0.0050 U	--	0.0100	134.0 J	0.0050 U	0.0050 U	0.0078	1.3	0.0050 U
9/6/11	0.0050 U	0.0050 U	0.0292	0.0050 U	--	0.0101	132.3	0.0050 U	0.0050 U	0.0064	0.7	0.0050 U
3/12/12	0.0050 U	0.0050 U	0.0295	0.0050 U	--	0.0104	132.0	0.0050 U	0.0050 U	0.0089	0.7	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB11 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/13/12	0.0050 U	0.0050 U	0.0282	0.0050 U	--	0.0104	133.0	0.0050 U	0.0050 U	0.0081	0.7	0.0050 U
3/26/13	0.0050 U	0.0050 U	0.0299	0.0050 U	--	0.0110	132.0	0.0050 U	0.0050 U	0.0153	0.7	0.0050 U
9/12/13	0.0050 U	0.0050 U	0.0289	0.0050 U	--	0.0103	135.0	0.0050 U	0.0050 U	0.0083	0.6	0.0050 U
9/16/13	0.0050 U	0.0011	0.0500	0.0010 U	--	0.0028	100.0	0.0011	0.0026	0.0027	10.0 U	0.0005 J
9/19/13	0.0050 U	0.0006 J	0.0220	0.0010 U	--	0.0098	120.0	0.0010 U	0.0015	0.0029	0.1 U	0.0010 U
3/11/14	0.0050 U	0.0050 U	0.0329	0.0050 U	--	0.0109	117.0	0.0050 U	0.0050 U	0.0073	0.6	0.0050 U
9/10/14	0.0050 U	0.0050 U	0.0323	0.0050 U	--	0.0110	138.0	0.0050 U	0.0050 U	0.0074	0.7	0.0050 U
3/19/15	0.0020 U	0.0020	0.0230	0.0020 U	--	0.0120	130.0	0.0051 J	0.0100 U	0.0036 J	0.0 U	0.0020 U
9/1/15	0.0010 U	0.0021	0.0240	0.0010 U	--	0.0110	140.0	0.0056	0.0050 U	0.0050 U	0.0 U	0.0010 U
3/21/16	0.0020 U	0.0020 U	0.0254	0.0020 U	--	0.0112	132.0	0.0048	0.0020 U	0.0031	1.0	0.0020 U
8/30/16	0.0020 U	0.0020 U	0.0257	0.0020 U	--	0.0107	130.0	0.0020 U	0.0020 U	0.0040	1.0	0.0020 U
3/8/17	0.0020 U	0.0062	0.0266	0.0020 U	--	0.0128	138.0	0.0084	0.0021	0.0063	0.9	0.0020 U
9/14/17	0.0050 U	0.0050 U	0.0310	0.0050 U	--	0.0137	145.0	0.0050 U	0.0050 U	0.0071	0.9	0.0050 U
3/29/18	0.0020 U	0.0025	0.0247	0.0020 U	--	0.0136	146.0	0.0099	0.0020 U	0.0041	0.2 U	0.0020 U
9/5/18	0.0020 U	0.0025	0.0255	0.0020 U	--	0.0125	148.0	0.0112	0.0020 U	0.0043	0.1 U	0.0020 U
4/10/19	0.0010 U	0.0010 U	0.0267	0.0010 U	--	0.0141	145.0 B	0.0015	0.0018	0.0052	0.1 U	0.0010 U
7/29/19	0.0010 U	0.0010 U	0.0281	0.0010 U	--	0.0118	120.0 B	0.0020	0.0020	0.0097	0.1	0.0010 U
3/11/20	0.0010 U	0.0010 U	0.0297	0.0010 U	--	0.0126	145.0	0.0019	0.0019	0.0106	0.1	0.0010 U
7/30/20	0.0010 U	0.0010 U	0.0303	0.0010 U	--	0.0117	124.0	0.0015	0.0019	0.0044	0.1 J	0.0010 U

**Gude Landfill**  
**Monitoring Location OB11 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/27/01	--	0.209	0.0003	0.0086	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	0.388	0.0002 U	0.0105	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/13/02	--	0.317	0.0002	0.0114	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	2.254	0.0001 U	0.0065	--	0.0028	0.0096 U	--	0.0010 U	0.0020 U	0.0003 U	--
6/3/03	--	0.267	0.0002	0.0129	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/9/03	--	0.566	0.0002	0.0137	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/25/04	--	0.020 U	0.0002 U	0.0354	--	0.0020 U	0.0022 U	--	0.0010 U	0.0003 U	0.0004 U	--
9/21/04	--	0.704	0.0005	0.0167	--	0.0020 U	0.0018 U	--	0.0006 U	0.0020 U	0.0020 U	--
4/6/05	--	5.365	0.0004	0.0382	--	0.0034	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.631	0.0008	0.0176	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
4/4/06	--	0.598	0.0019	0.0178	--	0.0020	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	0.884	0.0030	0.0292	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0031	0.0279	--	0.0036	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0389
10/3/07	--	--	0.0007	0.0276	--	0.0043	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0400
3/26/08	--	--	0.0022	0.0249	--	0.0029	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0427
9/24/08	--	--	0.0005	0.0207	--	0.0040 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0380
3/9/09	--	--	0.0019	0.0275	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0508
9/22/09	60.100	0.862	0.0022	0.0361	4.56	0.0049	0.0020 U	56.7	0.0020 U	--	0.0020 U	0.0432
7/26/10	--	--	0.0035	0.0370	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0510
9/15/10	67.900	0.884	0.0025	0.0375	4.90	0.0078	0.0050 U	68.8	0.0050 U	--	0.0050 U	0.0426
4/20/11	66.600	0.869	0.0017	0.0331	4.82	0.0061	0.0050 U	67.9	0.0050 U	--	0.0050 U	0.0430
9/6/11	66.600	0.768	0.0010	--	4.70	0.0057	0.0050 U	68.5	0.0050 U	--	0.0050 U	0.0420
3/12/12	67.400	0.758	0.0010	0.0326	5.13	0.0050 U	0.0050 U	68.0	0.0050 U	--	0.0050 U	0.0453

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB11 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/13/12	64.400	0.858	0.0012	0.0365	5.19	0.0110	0.0050 U	68.0	0.0050 U	--	0.0050 U	0.0462
3/26/13	68.900	0.793	0.0014	0.0361	5.45	0.0067	0.0050 U	75.8	0.0050 U	--	0.0050 U	0.0442
9/12/13	67.000	0.760	0.0011	0.0349	5.17	0.0055	0.0050 U	71.3	0.0050 U	--	0.0050 U	0.0413
9/16/13	56.000	0.770	0.0026	--	11.00	0.0010 U	0.0010 U	59.0	0.0010 U	--	0.0050 U	4.3000
9/19/13	68.000	0.780	0.0021	--	4.30	0.0010 U	0.0010 U	71.0	0.0010 U	--	0.0050 U	0.0420
3/11/14	57.600	0.845	0.0026	0.0320	4.98	0.0050 U	0.0050 U	62.0	0.0050 U	--	0.0050 U	0.0441
9/10/14	70.200	0.858	0.0014	0.0356	4.71	0.0068	0.0050 U	77.7	0.0050 U	--	0.0050 U	0.0418
3/19/15	76.000	0.860	0.0028	0.0400	5.30	0.0054 U	0.0100 U	77.0	0.0020 U	--	0.0100 U	0.0440
9/1/15	73.000	0.890	0.0019	0.0340	5.60	0.0082	0.0010 U	82.0	0.0010 U	--	0.0050 U	0.0420
3/21/16	72.200	0.829	0.0011	0.0308	4.65	0.0069	0.0020 U	78.2	0.0010 U	--	0.0020 U	0.0362
8/30/16	71.800	0.948	0.0008	0.0316	4.79	0.0059	0.0020 U	81.1	0.0010 U	--	0.0020 U	0.0324
3/8/17	73.900	1.020	0.0008	0.0406	4.58	0.0093	0.0020 U	85.7	0.0010 U	--	0.0036	0.0414
9/14/17	80.600	1.130	0.0013	0.0314	4.70	0.0050 U	0.0050 U	94.4	0.0050 U	--	0.0050 U	0.0526
3/29/18	75.800	1.260	0.0009	0.0329	4.58	0.0107	0.0020 U	91.4	0.0010 U	--	0.0020 U	0.0381
9/5/18	78.000	1.270	0.0009	0.0353	4.56	0.0068	0.0020 U	89.0	0.0010 U	--	0.0028	0.0440
4/10/19	94.200	1.530	0.0040	0.0352	5.17	0.0010 U	0.0010 U	115.0	0.0010 U	--	0.0010 U	0.0469
7/29/19	76.600	1.350	0.0027	0.0337	5.39	0.0010 U	0.0010 U	90.4 B	0.0010 U	--	0.0010 U	0.0415
3/11/20	102.000	1.630	0.0039	0.0346	5.61	0.0010 U	0.0010 U	99.7	0.0010 U	--	0.0010 U	0.0450
7/30/20	87.200	1.390	0.0035	0.0338	5.62	0.0010 U	0.0010 U	105.0	0.0010 U	--	0.0010 U	0.0437

Gude Landfill

Printed 10/24/20

Monitoring Location OB11 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1,2-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	
MCL/ GWPS	200			5		7				0.2	0.05	600	5	5	
4/27/01	0.18 U	0.15 U	0.23 U	0.22 U	9.03	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	1.00 U	1.25
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	19.25	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.44
3/13/02	0.18 U	0.15 U	0.23 U	1.50	15.45	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.38
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	1.48	13.80	1.00 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	1.00 U	2.14
10/9/03	0.18 U	0.15 U	0.23 U	0.22 U	19.59	1.00 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	0.2 U	1.11	3.37
3/25/04	0.18 U	0.15 U	0.23 U	0.22 U	36.31	1.01	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	2.56	5.13
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	16.58	1.00 U	0.35 U	10.19	0.40 U	1.12	1.56	0.28 U	10.0 U	1.07	3.74
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	12.43	1.00 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.40	3.92
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	17.06	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.28	3.41
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	13.27	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.38	3.47
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	15.90	1.00 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	3.81	8.11
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	29.18	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	7.99
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	29.33	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	5.36	8.27
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	11.14	0.50 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	1.0	3.16	4.67
9/24/08	0.12 U	0.17 U	0.14 U	1.52	23.00	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	1.6	3.68	6.31
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	31.01	0.89	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	--	4.66	8.28
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	33.40	1.03	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.6	4.72	8.15
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	34.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	3.0	4.00	8.00
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	15.10	0.93 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	1.5 J	3.94	6.10

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



Gude Landfill

Printed 10/24/20

Monitoring Location OB11 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	25.00	--	--	1.00 U	--	1.00 U	1.00 U	3.9	2.80	5.10
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	30.00	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	7.20
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	21.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	3.0	1.00 U	6.30
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	22.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	22.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.7	3.66	6.13
9/12/13	1.00 U	1.00 U	1.00 U	1.00 U	21.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.4	3.57	6.50
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	21.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	3.64	6.26
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	18.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.9	3.07	5.57
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	18.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.9	3.42	5.53
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	17.90	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.1	3.16	5.67
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	15.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.9	2.91	4.83
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	19.50	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.3	3.07	5.18
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	12.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.9	2.49	4.81
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	13.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.0	2.78	4.70
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	12.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.9	2.54	4.50
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	12.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	2.8	2.40	4.40
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	13.50	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	2.7	2.40	4.60
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	9.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	2.6	1.90	3.60
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	11.40	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	2.9	2.20	4.40

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/27/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.68	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.07	0.27 U	0.20 U
10/9/03	0.21 U	0.19 U	1.21	0.11 U	0.70	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	3.28	0.27 U	0.20 U
3/25/04	0.21 U	0.19 U	10.00 U	0.11 U	4.26	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	7.22	0.27 U	0.20 U
9/21/04	1.00 U	0.33 U	10.00 U	0.23 U	0.29 U	1.00 U	1.25	1.00 U	--	0.39 U	--	--	--	3.17	1.00 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	3.43	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	2.04	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.43	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	3.06	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	9.78	0.31 U	1.94
4/17/07	0.35 U	0.33 U	10.18	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	9.69	0.31 U	2.25
10/3/07	0.35 U	0.33 U	10.00 U	0.23 U	2.54	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	10.69	0.31 U	1.22
3/26/08	0.24 U	0.20 U	2.46	0.50 U	--	0.27 U	--	0.25 U	--	--	--	--	--	2.04	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	6.43	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	6.16	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	--	2.23	--	0.13 U	--	0.12 U	--	--	--	--	--	9.56	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	14.60	1.00 U	0.83 J	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	9.37	1.00 U	1.00 U
7/26/10	--	1.00 U	14.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	8.00	--	1.00 U
9/15/10	2.00 U	2.00 U	9.85	2.00 U	0.95 J	2.00 U	2.00 U	2.00 U	2 U	24.60	--	2 U	--	8.29	2.00 U	2.00 U

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**Monitoring Location OB11 - Volatile Organic Compounds**

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	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	5.20	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	12.00	--	1.00 U
3/12/12	--	--	17.00	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	6.90	--	1.00 U
9/13/12	1.00 U	1.00 U	14.80	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	14.90	1.18	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	6.02	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	13.70	1.43	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	6.17	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	16.90	1.02	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	5.72	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	16.80	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.78	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	16.30	1.71	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.32	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	18.60	1.21	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.13	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	18.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.60	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	20.90	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.23	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	16.80	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.26	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	17.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	2.96	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	17.70	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	14.50	--	5 U	--	2.70	1.00 U	1.00 U
4/10/19	--	1.00 U	17.00	1.00 U	5.00 U	--	5.00 U	--	5 U	8.60	--	5 U	1 U	2.70	--	1.00 U
7/29/19	--	1.00 U	19.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	2.00	--	1.00 U
3/11/20	--	1.00 U	17.80	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	2.20	--	1.00 U
7/30/20	--	1.00 U	18.90	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	2.40	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/27/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	15.28	0.19 U	0.17 U	21.23	--
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	6.38	1.0 U	1.00 U	0.21 U	--	33.11	0.19 U	0.17 U	43.78	--
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	1.00 U	0.21 U	--	25.68	0.19 U	0.17 U	30.04	--
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.70	0.19 U	0.17 U	1.00 U	--
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	5.14	1.0 U	0.23 U	0.21 U	--	26.92	0.19 U	0.17 U	17.85	--
10/9/03	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	14.96	1.0 U	1.00 U	0.21 U	--	46.08	0.19 U	0.17 U	29.23	--
3/25/04	0.18 U	1.00 U	1.00 U	1.00 U	0.15 U	36.13	1.0 U	1.00 U	1.00 U	--	141.35	0.19 U	0.17 U	26.82	--
9/21/04	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	19.64	1.0 U	1.00 U	0.25 U	--	41.73	0.29 U	0.27 U	39.36	--
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	31.35	1.0 U	0.27 U	0.25 U	--	53.18	0.29 U	0.27 U	26.34	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	15.03	0.3 U	1.00 U	0.25 U	--	46.22	0.29 U	0.27 U	44.30	--
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	12.61	0.3 U	0.27 U	0.25 U	--	45.81	0.29 U	0.27 U	12.37	--
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	60.16	1.0 U	1.00 U	1.00 U	--	149.39	0.29 U	0.27 U	33.15	--
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	56.32	1.0 U	1.00 U	0.25 U	--	164.85	0.29 U	0.27 U	30.59	--
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	61.28	1.0 U	1.00 U	0.25 U	--	176.66	0.29 U	0.27 U	48.58	--
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	11.69	0.5 U	0.21 U	0.15 U	--	92.93	0.13 U	0.15 U	16.36	--
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	35.91	0.5 U	0.12 U	0.20 U	--	137.27	0.12 U	0.13 U	25.96	--
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	52.75	0.5 U	0.50	0.50 U	--	190.55	0.12 U	0.13 U	40.92	--
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	50.00	0.6 J	0.42 J	1.00 U	--	184.00	1.00 U	1.00 U	40.70	--
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	44.00	1.0 U	1.00 U	1.00 U	--	210.00	1.00 U	1.00 U	22.00	--
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	34.30	0.6 J	2.00 U	2.00 U	--	73.60	2.00 U	2.00 U	95.30	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	52.00	1.0 U	1.00 U	2.30	--	1.00 U	1.00 U	1.00 U	--	--
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	17.0	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	41.00	1.0 U	1.00 U	1.00 U	--	160.00	1.00 U	1.00 U	--	--
9/13/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	34.50	1.0 U	1.00 U	1.00 U	--	94.80	1.00 U	1.00 U	19.30	--
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	34.60	1.0 U	1.00 U	1.00 U	--	64.16	1.00 U	1.00 U	17.90	--
9/12/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	31.00	1.0 U	1.00 U	1.00 U	--	135.88	1.00 U	1.00 U	15.60	--
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	33.40	1.0 U	1.00 U	1.00 U	--	131.00	1.00 U	1.00 U	13.90	--
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.53	1.00 U	1.00 U	1.00 U	--
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.20	1.0 U	1.00 U	1.00 U	--	103.40	1.00 U	1.00 U	13.50	--
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.30	1.0 U	1.00 U	1.00 U	--	79.00	1.00 U	1.00 U	9.91	--
3/21/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.80	1.0 U	1.00 U	1.00 U	--	107.00	1.00 U	1.00 U	9.95	--
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	27.80	1.0 U	1.00 U	1.00 U	--	95.80	1.00 U	1.00 U	7.37	--
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	30.70	1.0 U	1.00 U	1.00 U	--	77.80	1.00 U	1.00 U	9.04	--
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	26.80	1.0 U	1.00 U	1.00 U	--	78.20	1.00 U	1.00 U	4.45	--
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	26.70	1.0 U	1.00 U	1.00 U	--	86.80	1.00 U	1.00 U	4.88	--
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	25.20	1.0 U	1.00 U	1.00 U	--	80.00	1.00 U	1.00 U	5.06	--
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.30	1.0 U	1.00 U	1.00 U	1 U	89.50	1.00 U	1.00 U	--	5 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.70	1.0 U	1.00 U	1.00 U	1 U	70.40	1.00 U	1.00 U	--	5 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	22.30	1.0 U	1.00 U	1.00 U	1 U	76.50	1.00 U	1.00 U	--	5 U
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	24.10	1.0 U	1.00 U	1.00 U	1 U	85.50	1.00 U	1.00 U	--	5 U

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000					5			10000			100
4/27/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/4/01	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.02	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/13/02	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/16/02	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
6/3/03	0.26 U	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	8.96	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
10/9/03	0.26 U	--	1.00 U	0.28 U	0.17 U	--	--	0.22 U	14.29	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
3/25/04	0.26 U	--	1.00 U	0.28 U	0.17 U	--	--	0.22 U	22.08	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U
9/21/04	1.00 U	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	2.09	1.00 U	1.00 U	1.34	1.31	0.25 U
4/6/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	4.41	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/4/06	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	2.51	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/25/06	0.23 U	--	1.74	2.00 U	1.00 U	--	--	1.00 U	42.44	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
4/17/07	0.23 U	--	1.42	0.40 U	1.00 U	--	--	1.00 U	42.01	0.23 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
10/3/07	0.23 U	--	1.73	0.40 U	0.28 U	--	--	1.00 U	35.48	1.00 U	0.39 U	1.00 U	0.36 U	1.00 U	0.25 U
3/26/08	0.26 U	--	0.50 U	0.43 U	--	--	5.00 U	0.15 U	9.24	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U
9/24/08	0.12 U	--	0.92	0.23 U	--	--	5.00 U	0.20 U	19.47	0.12 U	0.12 U	0.50 U	0.12 U	0.50 U	0.11 U
3/9/09	0.12 U	--	1.45	0.23 U	--	--	6.41	0.20 U	28.72	0.50 U	0.12 U	0.50 U	0.12 U	0.50 U	0.11 U
9/22/09	1.00 U	--	1.13	2.00 U	1.00 U	--	2.67	1.00 U	30.60	1.00 U	1.00 U	1.00 U	1.00 U	0.39 U	1.00 U
7/26/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	28.00	--	--	1.00 U	--	--	1.00 U
9/15/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	1.65 J	2.00 U	24.20	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
4/20/11	1.00 U	--	--	--	1.00 U	--	5.60	1.00 U	16.00	--	--	--	--	--	1.00 U
9/6/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	18.00	--	--	--	--	--	1.00 U
3/12/12	1.00 U	--	--	--	1.00 U	--	2.60	1.00 U	12.00	--	--	--	--	--	1.00 U
9/13/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	13.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	12.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	12.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	10.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	8.58	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	8.71	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	8.56	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	7.51	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	9.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.71	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.97	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.54	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	2.10	1.00 U	5.60	--	--	1.00 U	--	--	1.00 U
7/29/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	2.10	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U
3/11/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.80	1.00 U	4.20	--	--	1.00 U	--	--	1.00 U
7/30/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.80	1.00 U	4.50	--	--	1.00 U	--	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	80	100			5			2	10000
4/27/01	0.21 U	15.38	0.24 U	--	1.00 U	0.13 U	0.14 U	10.45	1.00 U	--	--	--
9/4/01	0.21 U	44.27	0.24 U	--	1.00 U	0.13 U	0.14 U	24.68	2.72	--	--	--
3/13/02	0.21 U	36.00	0.24 U	--	1.00 U	0.13 U	0.14 U	18.90	1.58	--	--	--
9/16/02	0.21 U	1.00 U	0.24 U	--	1.00 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/3/03	0.21 U	21.58	0.24 U	--	1.00 U	0.13 U	0.14 U	17.31	1.72	--	--	--
10/9/03	0.21 U	0.17 U	1.00 U	--	1.57	0.13 U	0.14 U	30.06	3.78	--	2.85	--
3/25/04	0.21 U	26.34	0.24 U	--	5.27	0.13 U	1.00 U	39.15	0.18 U	--	10.87	--
9/21/04	1.00 U	36.32	1.45	--	1.49	0.24 U	0.30 U	28.57	3.22	--	3.54	--
4/6/05	0.18 U	34.22	0.32 U	--	1.71	0.24 U	1.00 U	26.35	1.87	--	6.36	--
9/21/05	0.18 U	26.31	1.00	--	1.24	0.24 U	0.30 U	25.32	1.66	--	2.44	--
4/4/06	0.18 U	20.17	0.32 U	--	1.09	0.24 U	0.30 U	20.17	1.00 U	--	1.75	--
9/25/06	1.00 U	65.48	0.32 U	--	6.19	0.24 U	0.30 U	55.99	4.37	--	15.95	--
4/17/07	0.18 U	62.00	0.32 U	--	5.60	0.24 U	0.30 U	52.41	4.25	--	12.02	--
10/3/07	0.18 U	60.22	0.32 U	--	8.31	0.24 U	0.30 U	59.10	5.59	--	16.89	--
3/26/08	0.23 U	32.40	0.28 U	0	2.88	0.08 U	--	28.56	1.93	--	4.49	--
9/24/08	0.13 U	52.48	1.00	0	8.83	0.13 U	--	42.66	2.85	--	8.73	--
3/9/09	0.50 U	67.92	0.50 U	1	7.15	0.13 U	--	53.74	4.58	--	15.64	--
9/22/09	1.00 U	43.90	1.00 U	--	6.37	1.00 U	1.00 U	51.50	3.98	--	20.30	--
7/26/10	--	58.00	1.00 U	--	6.00	1.00 U	5.00 U	48.00	1.00 U	1 U	13.00	--
9/15/10	2.00 U	19.60	2.00 U	--	2.78	2.00 U	2.00 U	33.90	3.78	2 U	20.90	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



**Gude Landfill**  
**Monitoring Location OB11 - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/20/11	--	26.00	1.00 U	--	4.90	1.00 U	5.00 U	28.00	6.80	1 U	14.00	1 U
9/6/11	--	44.00	1.00 U	--	3.30	1.00 U	5.00 U	37.00	1.00 U	1 U	1.00 U	1 U
3/12/12	--	47.00	1.00 U	--	4.60	1.00 U	5.00 U	39.00	3.30	1 U	13.00	1 U
9/13/12	1.00 U	40.10	1.00 U	--	1.00 U	1.00 U	5.00 U	34.20	1.00 U	5 U	14.10	--
3/26/13	1.00 U	36.90	1.00 U	--	4.31	1.00 U	5.00 U	32.60	2.47	5 U	13.90	--
9/12/13	1.00 U	32.20	1.00 U	--	4.94	1.00 U	5.00 U	34.60	2.04	5 U	14.00	--
3/11/14	1.00 U	32.30	1.00 U	--	4.41	1.00 U	5.00 U	29.60	2.33	5 U	14.60	--
9/10/14	1.00 U	1.13	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	24.00	1.00 U	--	3.58	1.00 U	5.00 U	25.50	2.00	5 U	15.40	--
9/1/15	1.00 U	21.70	1.00 U	--	3.79	1.00 U	5.00 U	26.30	1.60	5 U	14.60	--
3/21/16	1.00 U	21.30	1.00 U	--	3.95	1.00 U	5.00 U	22.90	1.61	5 U	14.50	--
8/30/16	1.00 U	16.80	1.00 U	--	3.30	1.00 U	5.00 U	18.80	1.33	5 U	13.50	--
3/8/17	1.00 U	17.40	1.00 U	--	4.46	1.00 U	5.00 U	14.10	1.80	5 U	17.90	--
9/14/17	1.00 U	13.20	1.00 U	--	2.71	1.00 U	5.00 U	15.40	1.08	5 U	11.10	--
3/29/18	1.00 U	12.20	1.00 U	--	3.05	1.00 U	5.00 U	14.50	1.08	5 U	11.70	--
9/5/18	1.00 U	11.50	1.00 U	--	3.01	1.00 U	5.00 U	13.10	1.07	5 U	12.50	--
4/10/19	--	10.10	1.00 U	--	3.00	1.00 U	1.00 U	11.30	1.00 U	1 U	13.90	--
7/29/19	--	3.60	1.00 U	--	3.40	1.00 U	1.00 U	9.60	1.00 U	1 U	17.50	--
3/11/20	--	9.50	1.00 U	--	2.70	1.00 U	1.00 U	9.90	1.00 U	1 U	11.50	--
7/30/20	--	8.30	1.00 U	--	2.90	1.00 U	1.00 U	9.30	1.00 U	1 U	13.10	--

**Gude Landfill**  
**Monitoring Location OB12 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.022	0.005 U	0.005 U	34.2	0.01 U	0.01 U	0.005 U	0.5 U	0.005 U	23.1	0.105	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.018	0.005 U	0.005 U	38.2	0.01 U	0.01 U	0.005	0.2 U	0.005 U	25.1	0.117	0.0002 U
9/12/12	0.005 U	0.005 U	0.018	0.005 U	0.005 U	32.8	0.01 U	0.01 U	0.005 U	0.2	0.005 U	20.4	0.108	0.0002 U
3/26/13	0.005 U	0.005 U	0.019	0.005 U	0.005 U	37.0	0.01 U	0.01 U	0.011	0.2 U	0.005 U	23.1	0.109	0.0002 U
9/12/13	0.005 U	0.005 U	0.019	0.005 U	0.005 U	34.9	0.01 U	0.01 U	0.005 U	0.2	0.005 U	21.3	0.120	0.0002 U
3/11/14	0.005 U	0.005 U	0.021	0.005 U	0.005 U	36.2	0.01 U	0.01 U	0.005 U	0.2 U	0.005 U	23.0	0.119	0.0002 U
9/3/14	0.005 U	0.005 U	0.021	0.005 U	0.005 U	37.2	0.01 U	0.01 U	0.005 U	0.2	0.005 U	22.9	0.129	0.0002 U
3/23/15	0.002 U	0.002 U	0.015	0.002 U	0.004 U	40.0	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	26.0	0.110	0.0002 U
9/2/15	0.001 U	0.001 U	0.014	0.001 U	0.001 U	39.0	0.01 U	0.01 U	0.005 U	0.0 U	0.001 U	24.0	0.140	0.0002 U
3/23/16	0.002 U	0.002 U	0.015	0.002 U	0.002 U	38.7	0.00	0.00 U	0.002 U	0.2	0.002 U	24.3	0.109	0.0002 U
8/29/16	0.002 U	0.002 U	0.015	0.002 U	0.002 U	39.1	0.00 U	0.00 U	0.002 U	0.2	0.002 U	24.5	0.138	0.0002 U
3/8/17	0.002 U	0.002 U	0.016	0.002 U	0.002 U	38.6	0.00 U	0.00 U	0.007	0.2	0.002 U	23.9	0.126	0.0002 U
9/18/17	0.002 U	0.002 U	0.014	0.002 U	0.002 U	41.1	0.00 U	0.00 U	0.002 U	0.2	0.002 U	25.2	0.134	0.0002 U
4/3/18	0.002 U	0.002 U	0.015	0.002 U	0.002 U	37.6	0.01	0.00 U	0.002 U	0.1 U	0.002 U	23.0	0.110	0.0002 U
9/11/18	0.002 U	0.002 U	0.015	0.002 U	0.002 U	39.8	0.00	0.00 U	0.002 U	0.1 U	0.002 U	27.4	0.132	0.0002 U

Gude Landfill

Monitoring Location OB12 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01	3.3	0.005 U	0.01 U	24.8	0.005 U	0.01 U	0.005
9/6/11	0.01	--	--	--	--	--	--	--
3/7/12	0.01	2.9	0.005 U	0.01 U	30.7	0.005 U	0.01 U	0.006
9/12/12	0.01	2.9	0.005 U	0.01 U	22.5	0.005 U	0.01 U	0.008
3/26/13	0.01	2.9	0.005 U	0.01 U	27.6	0.005 U	0.01 U	0.006
9/12/13	0.01	2.8	0.005 U	0.01 U	22.2	0.005 U	0.01 U	0.005 U
3/11/14	0.01	2.7	0.005 U	0.01 U	24.1	0.005 U	0.01 U	0.007
9/3/14	0.01	2.6	0.005 U	0.01 U	25.6	0.005 U	0.01 U	0.009
3/23/15	0.01 J	3.9	0.035 U	0.01 U	28.0	0.002 U	0.01 U	0.010 U
9/2/15	0.01 U	2.7	0.005 U	0.00 U	25.0	0.001 U	0.01 U	0.005 U
3/23/16	0.01	3.6	0.002 U	0.00 U	25.8	0.001 U	0.00 U	0.002
8/29/16	0.01	3.0	0.002 U	0.00 U	26.0	0.001 U	0.00 U	0.002
3/8/17	0.01	2.4	0.002 U	0.00 U	25.0	0.001 U	0.00 U	0.004
9/18/17	0.01	2.6	0.002 U	0.00 U	25.4	0.001 U	0.00 U	0.003
4/3/18	0.01	3.1	0.002	0.00 U	24.2	0.001 U	0.00	0.004
9/11/18	0.01	2.7	0.002	0.00 U	24.8	0.001 U	0.00 U	0.003

**Gude Landfill**  
**Monitoring Location OB12 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.054	--
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.026	--
9/26/06	--	--	--	--	0.004	--	--	--	--	--	--	--	--	0.072	--
4/18/07	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.025	--
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	110.0	0.20 U	8.5 J	69.9000	--	--	165.0	1.6220	--	--	--	--	--	--	--
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/21/10	108.0	0.20 U	7.4 J	65.8000	--	--	162.0	1.3770 HT	1 HT	0.05 U	--	--	--	--	--
4/21/11	44.0	0.20 U	6.9	80.1000	--	--	182.0	1.5900	2	0.05 U	--	--	--	--	--
9/6/11	106.0	0.20 U	10.0 U	62.7000	--	--	153.0	1.1400	1	0.05 U	--	--	--	--	--
3/7/12	116.0	0.20 U	8.1	76.9000	--	--	194.0	1.2600	1	0.05 U	--	--	--	--	--
9/12/12	113.0	0.20 U	10.0 U	66.4000	--	--	160.0	0.9900	1	0.05 U	--	--	--	--	--
3/26/13	119.0	0.20 U	21.0	79.0000	--	0	178.0	1.0200	1	0.05 U	313	5.81	--	--	546
9/12/13	126.0	0.20 U	10.0 U	70.5000	--	0	178.0	0.8700	1	0.05 U	255	5.53	--	--	436
3/11/14	123.0	0.20 U	10.0 U	77.9000	--	0	200.0	0.8300	--	--	337	5.56	--	--	470
9/3/14	138.0	0.20 U	10.0 U	77.4000	--	--	208.0	0.6950	1	0.05 U	379	5.92	--	--	482

**Gude Landfill**  
**Monitoring Location OB12 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
3/23/15	125.0	0.20 U	10.0 U	80.7000	--	0	202.0	0.7400	1	0.05 U	401	5.81	--	--	445
9/2/15	132.0	0.20 U	10.8	80.0000	--	1	182.0	0.8030	1	0.05 U	347	5.80	--	--	484
3/23/16	122.0	0.20 U	10.0 U	84.6000	--	0	188.0	0.5880	1	0.05 U	331	5.64	--	--	471
8/29/16	129.0	0.20 U	10.0 U	84.3000	--	--	218.0	0.5750	1	0.05 U	212	5.69	--	--	501
3/8/17	135.0	0.20 U	10.0 U	87.2000	--	--	224.0	0.5410	1	0.05 U	327	5.54	--	--	471
9/18/17	120.0	0.20 U	10.0 U	77.4000	--	0	192.0	0.6360	1	0.05 U	241	5.75	--	--	504
4/3/18	118.0	0.20 U	10.0 U	84.4000	--	--	190.0	0.5330	1	0.05 U	158	5.79	--	--	463
9/11/18	129.0	0.20 U	10.0 U	84.9000	--	--	191.0	0.4650	0	0.05 U	80	5.57	--	--	539
4/10/19	124.0	0.10 U	10.0	75.6000	--	0	191.0 B	0.2000 U	--	--	103	5.59	5.78	--	627
8/6/19	153.0	0.10 U	6.3	97.8000	--	0	202.0	1.2000	--	--	4	5.36	6.05	--	1
3/11/20	138.0	0.10 U	14.2	81.5000	--	0	214.0	0.4000	--	--	1	5.67	5.84	--	535
8/3/20	152.0	0.10 U	15.9	91.3000	--	1	228.0	0.3500	--	--	-67	5.99	1.93	--	547

**Gude Landfill  
Monitoring Location OB12 - General Parameters**

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/6/05	--	--	--	--	--	0	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	0 U	--	--	--
9/21/09	--	7.1	--	--	308	--	--	2.5	--
7/28/10	--	--	3.0 U	--	--	--	--	--	--
9/21/10	--	7.1	--	--	408	--	--	0.3	--
4/21/11	--	4.8	--	--	120	--	--	0.2	--
9/6/11	--	5.6	--	--	296	--	--	--	--
3/7/12	--	12.0	--	--	340	--	--	--	--
9/12/12	--	4.6	--	--	312	--	--	--	--
3/26/13	--	13.4	--	14.0	236	--	--	--	0.0
9/12/13	--	5.8	--	14.9	364	--	--	--	1.3
3/11/14	--	14.4	--	14.2	308	--	--	--	1.4
9/3/14	--	11.6	--	14.6	292	--	--	--	0.9

Gude Landfill

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Monitoring Location OB12 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
3/23/15	--	16.0	--	12.1	338	--	--	--	0.0
9/2/15	--	5.9	--	15.7	229	--	--	--	0.2
3/23/16	--	13.6	--	17.1	316	--	--	--	0.0
8/29/16	--	9.0	--	18.0	294	--	--	--	0.0
3/8/17	--	12.3	--	14.5	224	--	--	--	0.0
9/18/17	--	7.8	--	15.7	308	--	--	--	0.0
4/3/18	--	13.2	--	13.2	222	--	--	--	0.8
9/11/18	--	13.2	--	16.1	301	--	--	--	0.0
4/10/19	521	24.7	--	16.3	306	--	2.6 U	0.9	2.2
8/6/19	606	16.7	--	16.4	370	--	2.4 U	0.5 U	0.0
3/11/20	571	19.9	--	15.1	324	--	2.3 U	1.0	0.7
8/3/20	5890	16.0	--	17.5	385	--	2.3 U	0.5 U	2.9

**Gude Landfill**  
**Monitoring Location OB12 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/6/05	0.0028 U	0.0006 U	0.1420	0.0012 U	--	0.0020 U	--	0.0024	0.0020 U	0.0145	--	0.0020	--
9/21/05	0.0028 U	0.0006 U	0.0989	0.0012 U	--	0.0020 U	--	0.0020	0.0020 U	0.0215	--	0.0032	--
4/5/06	0.0006 U	0.0006 U	0.0431	0.0007 U	--	0.0020 U	--	0.0020 U	0.0005 U	0.0102	--	0.0032	--
9/26/06	0.0007 U	0.0008 U	0.0360	0.0009 U	--	0.0020 U	--	0.0104	0.0020 U	0.0151	--	0.0046	--
4/18/07	0.0020 U	0.0008 U	0.0565	0.0009 U	0.037	--	--	0.0007 U	0.0005 U	0.0048	--	0.0007 U	--
10/4/07	0.0007 U	0.0008 U	0.0146	0.0009 U	0.046	--	--	0.0020	0.0005 U	0.0090	--	0.0020 U	--
3/25/08	0.0005 U	0.0006 U	0.0228	0.0010 U	0.045	--	--	0.0020 U	0.0012 U	0.0055	--	0.0010 U	--
9/24/08	0.0010 U	0.0012 U	0.0200 U	0.0020 U	0.064	--	--	0.0016 U	0.0024 U	0.0070	--	0.0020 U	--
3/10/09	0.0010 U	0.0010 U	0.0298	0.0012 U	0.063	--	--	0.0007 U	0.0007 U	0.0100 U	--	0.0007 U	--
9/21/09	0.0020 U	0.0020 U	0.0186	0.0020 U	--	0.0020 U	33.3	0.0020 U	0.0020 U	0.0061	0.4	0.0020 U	19.700
7/28/10	0.0010 U	0.0009 J	0.0130	0.0010 U	--	0.0010 U	--	0.0006 J	0.0010 U	0.0006 J	--	0.0010 U	--
9/21/10	0.0050 U	0.0050 U	0.0153	0.0050 U	--	0.0050 U	32.3	0.0050 U	0.0050 U	0.0068	0.2 J	0.0050 U	19.800
4/21/11	0.0050 U	0.0050 U	0.0211	0.0050 U	--	0.0050 U	34.1 J	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	27.000 J
9/6/11	0.0050 U	0.0050 U	0.0173	0.0050 U	--	0.0050 U	33.0	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	20.600
3/7/12	0.0050 U	0.0050 U	0.0174	0.0050 U	--	0.0050 U	38.3	0.0050 U	0.0050 U	0.0051	0.2 U	0.0050 U	24.500
9/12/12	0.0050 U	0.0050 U	0.0180	0.0050 U	--	0.0050 U	26.5	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	16.100
3/26/13	0.0050 U	0.0050 U	0.0194	0.0050 U	--	0.0050 U	36.7	0.0050 U	0.0050 U	0.0102	0.2 J	0.0050 U	23.400
9/12/13	0.0050 U	0.0050 U	0.0178	0.0050 U	--	0.0050 U	33.8	0.0050 U	0.0050 U	0.0050 U	0.2 U	0.0050 U	20.200
3/11/14	0.0050 U	0.0050 U	0.0206	0.0050 U	--	0.0050 U	35.0	0.0050 U	0.0050 U	0.0050 U	0.2	0.0050 U	21.400
9/3/14	0.0050 U	0.0050 U	0.0215	0.0050 U	--	0.0050 U	36.5	0.0050 U	0.0050 U	0.0050 U	0.2	0.0050 U	22.500
3/23/15	0.0020 U	0.0020 U	0.0140	0.0020 U	--	0.0040 U	39.0	0.0100 U	0.0100 U	0.0100 U	0.0 U	0.0020 U	25.000
9/2/15	0.0010 U	0.0010 U	0.0140	0.0010 U	--	0.0005 U	39.0	0.0050 U	0.0050 U	0.0050 U	0.0 U	0.0010 U	23.000
3/23/16	0.0020 U	0.0020 U	0.0152	0.0020 U	--	0.0020 U	38.8	0.0022	0.0020 U	0.0020 U	0.2	0.0020 U	24.400

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB12 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
8/29/16	0.0020 U	0.0020 U	0.0149	0.0020 U	--	0.0020 U	39.6	0.0020 U	0.0020 U	0.0020 U	0.2	0.0020 U	24.900
3/8/17	0.0020 U	0.0020 U	0.0154	0.0020 U	--	0.0020 U	37.2	0.0042	0.0020 U	0.0033	0.2 U	0.0020 U	23.100
9/18/17	0.0020 U	0.0020 U	0.0142	0.0020 U	--	0.0020 U	37.7	0.0020 U	0.0020 U	0.0020 U	0.2 U	0.0020 U	22.500
4/3/18	0.0020 U	0.0020 U	0.0151	0.0020 U	--	0.0020 U	37.9	0.0049	0.0020 U	0.0020 U	0.1 U	0.0020 U	23.200
9/11/18	0.0020 U	0.0020 U	0.0157	0.0020 U	--	0.0020 U	38.2	0.0030	0.0020 U	0.0020 U	0.1 U	0.0020 U	23.200
4/10/19	0.0010 U	0.0010 U	0.0177	0.0010 U	--	0.0010 U	33.0 B	0.0010 U	0.0010	0.0010 U	0.1 U	0.0010 U	26.400
8/6/19	0.0010 U	0.0010 U	0.0155	0.0010 U	--	0.0010 U	35.6	0.0010 U	0.0010 U	0.0010 U	0.1 U	0.0010 U	27.600
3/11/20	0.0010 U	0.0010 U	0.0202	0.0010 U	--	0.0010 U	37.6	0.0012	0.0010 U	0.0010 U	0.1 J	0.0010 U	29.100
8/3/20	0.0010 U	0.0010 U	0.0187	0.0010 U	--	0.0010 U	40.0	0.0015	0.0010 U	0.0010 U	0.1 J	0.0010 U	31.000

**Gude Landfill**  
**Monitoring Location OB12 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/6/05	1.030	0.0006	0.0058	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	0.607	0.0004	0.0069	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	0.231	0.0005	0.0065	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/26/06	0.168	0.0011	0.0156	--	0.0020 U	0.0020 U	--	0.0007 U	0.0050 U	0.0020 U	--
4/18/07	--	0.0002 U	0.0035	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0130
10/4/07	--	0.0015	0.0062	--	0.0008 U	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0478
3/25/08	--	0.0007	0.0064	--	0.0020 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0222
9/24/08	--	0.0002	0.0066	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0236
3/10/09	--	0.0002 U	0.0100 U	--	0.0012 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0125
9/21/09	0.102	0.0003	0.0089	3.00	0.0020 U	0.0020 U	24.5	0.0020 U	--	0.0002 U	0.0100 U
7/28/10	--	0.0002 U	0.0066	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0140
9/21/10	0.107	0.0002 U	0.0102	2.32	0.0050 U	0.0050 U	25.4	0.0050 U	--	0.0050 U	0.0077
4/21/11	0.106	0.0002 U	0.0084	3.24	0.0050 U	0.0050 U	27.9 J	0.0050 U	--	0.0050 U	0.0077
9/6/11	0.108	0.0002 U	--	2.69	0.0050 U	0.0050 U	22.8	0.0050 U	--	0.0050 U	0.0063
3/7/12	0.114	0.0002 U	0.0093	3.26	0.0050 U	0.0050 U	30.0	0.0050 U	--	0.0050 U	0.0053
9/12/12	0.119	0.0002 U	0.0070	2.97	0.0050 U	0.0050 U	18.2	0.0050 U	--	0.0050 U	0.0082
3/26/13	0.105	0.0002 U	0.0082	3.33	0.0050 U	0.0050 U	28.4	0.0050 U	--	0.0050 U	0.0051
9/12/13	0.118	0.0002 U	0.0069	2.88	0.0050 U	0.0050 U	21.2	0.0050 U	--	0.0050 U	0.0059
3/11/14	0.115	0.0002 U	0.0076	2.89	0.0050 U	0.0050 U	22.0	0.0050 U	--	0.0050 U	0.0084
9/3/14	0.129	0.0002 U	0.0092	2.51	0.0050 U	0.0050 U	25.1	0.0050 U	--	0.0050 U	0.0096
3/23/15	0.100	0.0002 U	0.0088 J	3.10	0.0350 U	0.0100 U	27.0	0.0020 U	--	0.0100 U	0.0100 U
9/2/15	0.140	0.0002 U	0.0100 U	2.60	0.0050 U	0.0010 U	25.0	0.0010 U	--	0.0050 U	0.0050 U
3/23/16	0.103	0.0002 U	0.0073	2.45	0.0020 U	0.0020 U	25.2	0.0010 U	--	0.0020 U	0.0020 U

**Gude Landfill**  
**Monitoring Location OB12 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
8/29/16	0.135	0.0002 U	0.0069	2.63	0.0020 U	0.0020 U	26.2	0.0010 U	--	0.0020 U	0.0020 U
3/8/17	0.126	0.0002 U	0.0086	2.31	0.0022	0.0020 U	24.2	0.0010 U	--	0.0020 U	0.0026
9/18/17	0.136	0.0002 U	0.0060	2.42	0.0020 U	0.0020 U	22.8	0.0010 U	--	0.0020 U	0.0032
4/3/18	0.109	0.0002 U	0.0087	2.33	0.0024	0.0020 U	24.0	0.0010 U	--	0.0020 U	0.0037
9/11/18	0.130	0.0002 U	0.0093	2.26	0.0024	0.0020 U	23.1	0.0010 U	--	0.0020 U	0.0027
4/10/19	0.110	0.0001 U	0.0074	5.00	0.0010 U	0.0010 U	30.0	0.0010 U	--	0.0010 U	0.0076
8/6/19	0.154	0.0001 U	0.0068	2.69	0.0010 U	0.0010 U	28.8	0.0010 U	--	0.0010 U	0.0058 B
3/11/20	0.138	0.0001 U	0.0079	5.68	0.0010 U	0.0010 U	30.7	0.0010 U	--	0.0010 U	0.0040 U
8/3/20	0.179	0.0001 U	0.0095	6.54	0.0010 U	0.0010 U	33.5	0.0010 U	--	0.0010 U	0.0047

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	11.60	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	3.25
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	2.66	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	2.02
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	4.97	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	11.0 U	1.00 U	4.85
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	2.74	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	1.00 U	1.13
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	12.73	1.00 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	1.59	7.25
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	8.14	0.50 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.90	3.75
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	12.72	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	1.08	5.61
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	10.97	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.79	3.62
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	22.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.4 U	1.00 U	5.55
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	25.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	7.00
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	39.20	0.54 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	1.17 J	6.29
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	23.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	3.30
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	21.00	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.6	1.00 U	5.80
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	18.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	9.71
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	22.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.07	6.48
9/12/13	1.00 U	1.00 U	1.00 U	1.00 U	15.10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	8.07
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	21.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.07	7.09
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	21.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.55	8.23

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	20.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.07	7.65
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	18.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.78	11.60
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	21.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.40	9.68
8/29/16	1.00 U	1.00 U	1.00 U	1.00 U	16.70	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.49	10.10
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	23.60	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.70	6.28
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	17.20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.66	10.50
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	17.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.56	8.91
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	16.40	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.57	9.02
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	18.50	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.10	8.10
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	15.20	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.40	9.70
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	15.80	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.10	8.40
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	15.20	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.1	1.40	10.30

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.86	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.52	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.58	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	1.00 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	2.15	0.31 U	1.29
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/4/07	0.35 U	0.33 U	3.77	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	3.54	0.31 U	1.00 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	1.89	0.20 U	0.50 U
9/24/08	0.11 U	0.13 U	2.82	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	2.66	0.14 U	0.14 U
3/10/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	1.82	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	4.18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	2.63	1.00 U	1.00 U
7/28/10	--	1.00 U	5.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	3.00	--	1.00 U
9/21/10	2.00 U	2.00 U	4.51	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	0.70 J	--	2 U	--	3.46	2.00 U	2.00 U
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	2.20	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/7/12	--	--	5.40	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	3.50	--	1.00 U
9/12/12	1.00 U	1.00 U	6.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	6.13	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.61	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	4.30	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.27	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	7.28	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.82	1.00 U	--
9/3/14	1.00 U	1.00 U	8.46	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.95	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/23/15	1.00 U	1.00 U	6.36	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.73	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	10.00	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.41	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	9.23	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.23	1.00 U	1.00 U
8/29/16	1.00 U	1.00 U	8.06	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.95	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	10.30	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	4.96	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	8.53	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.73	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	8.21	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.66	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	8.09	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	3.30	1.00 U	1.00 U
4/10/19	--	1.00 U	7.40	1.00 U	5.00 U	--	5.00 U	--	5 U	9.00	--	5 U	1 U	3.40	--	1.00 U
8/6/19	--	1.00 U	11.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	3.30	--	1.00 U
3/11/20	--	1.00 U	9.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	3.10	--	1.00 U
8/3/20	--	1.00 U	12.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	3.40	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80		
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	7.4	0.27 U	0.25 U	--	5.03	0.29 U	0.27 U	1.01	--
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	1.3	0.27 U	0.25 U	--	11.79	0.29 U	0.27 U	51.05	--
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	2.7	0.27 U	0.25 U	--	7.57	0.29 U	0.27 U	2.12	--
9/26/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	1.00 U	1.0	0.27 U	0.25 U	--	18.10	0.29 U	0.27 U	23.19	--
4/18/07	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	22.60	0.29 U	0.27 U	1.00 U	--
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	1.0 U	0.27 U	0.25 U	--	25.91	0.29 U	0.27 U	41.81	--
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.68	0.1 U	0.21 U	0.50 U	--	25.54	0.13 U	0.15 U	25.43	--
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.88	2.5	0.12 U	0.20 U	--	26.92	0.12 U	0.13 U	24.95	--
3/10/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.73	2.6	0.12 U	0.20 U	--	26.86	0.12 U	0.13 U	13.67	--
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.21	1.4	1.00 U	1.00 U	--	21.40	1.00 U	1.00 U	34.60	--
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0	1.00 U	1.00 U	--	29.00	1.00 U	1.00 U	23.00	--
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.46 J	1.6 J	2.00 U	2.00 U	--	26.20	2.00 U	2.00 U	132.00	--
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.10	--	14.00	1.00 U	1.00 U	--	--
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.10	1.0 U	1.00 U	1.00 U	--	23.00	1.00 U	1.00 U	--	--
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	32.10	1.00 U	1.00 U	25.20	--
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.27	1.0 U	1.00 U	1.00 U	--	22.50	1.00 U	1.00 U	20.70	--
9/12/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.23	1.0 U	1.00 U	1.00 U	--	30.60	1.00 U	1.00 U	12.00	--
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.69	1.0 U	1.00 U	1.00 U	--	24.90	1.00 U	1.00 U	16.10	--
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.82	1.0 U	1.00 U	1.00 U	--	31.30	1.00 U	1.00 U	22.00	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.65	1.0 U	1.00 U	1.00 U	--	24.50	1.00 U	1.00 U	15.80	--
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.38	1.0 U	1.00 U	1.00 U	--	43.20	1.00 U	1.00 U	19.00	--
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.40	1.0 U	1.00 U	1.00 U	--	31.60	1.00 U	1.00 U	17.40	--
8/29/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.02	1.0 U	1.00 U	1.00 U	--	38.40	1.00 U	1.00 U	16.30	--
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.57	1.0 U	1.00 U	1.00 U	--	47.40	1.00 U	1.00 U	20.20	--
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.18	1.0 U	1.00 U	1.00 U	--	43.70	1.00 U	1.00 U	17.00	--
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.25	1.0 U	1.00 U	1.00 U	--	33.00	1.00 U	1.00 U	14.00	--
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.44	1.0 U	1.00 U	1.00 U	--	34.50	1.00 U	1.00 U	15.00	--
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.0 U	1.00 U	1.00 U	1 U	27.80	1.00 U	1.00 U	--	5 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.90	1.0 U	1.00 U	1.00 U	1 U	44.60	1.00 U	1.00 U	--	5 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.50	1.0 U	1.00 U	1.00 U	1 U	34.30	1.00 U	1.00 U	--	5 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.80	1.0 U	1.00 U	1.00 U	1 U	47.50	1.00 U	1.00 U	--	5 U

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
MCL/ GWPS	700			10000					5			10000			100
4/6/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	1.00	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/21/05	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	7.22	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/5/06	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	1.00 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
9/26/06	0.23 U	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	12.30	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
4/18/07	0.23 U	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	1.72	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U
10/4/07	0.23 U	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	6.16	1.00 U	0.39 U	1.00 U	0.36 U	0.41 U	0.25 U
3/25/08	0.26 U	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	9.35	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U
9/24/08	0.12 U	--	0.12 U	0.23 U	--	--	5.00 U	0.20 U	6.24	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
3/10/09	0.12 U	--	0.12 U	0.23 U	--	--	5.00 U	0.20 U	4.91	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U
9/21/09	1.00 U	--	1.00 U	2.00 U	1.00 U	--	0.66 J	1.00 U	8.27	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/28/10	1.00 U	--	--	2.00 U	20.00 U	--	--	1.00 U	9.00	--	--	1.00 U	--	--	1.00 U
9/21/10	2.00 U	--	2.00 U	4.00 U	2.00 U	--	0.85 J	2.00 U	8.19	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/21/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	10.00	--	--	--	--	--	1.00 U
9/6/11	1.00 U	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U
3/7/12	1.00 U	--	--	--	1.00 U	--	1.00 U	1.00 U	5.90	--	--	--	--	--	1.00 U
9/12/12	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.01	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	7.93	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/13	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	6.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.44	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

Printed 10/24/20

	Ethylbenzene (ug/L)	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)
3/23/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.34	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.73	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.34	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/29/16	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.84	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	5.76	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.08	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	4.37	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	3.25	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	4.10	--	--	1.00 U	--	--	1.00 U
8/6/19	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.10	1.00 U	3.20 J	--	--	1.00 U	--	--	1.00 U
3/11/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.10	1.00 U	3.60	--	--	1.00 U	--	--	1.00 U
8/3/20	1.00 U	100 U	--	1.00 U	1.00 U	5 U	1.00 J	1.00 U	3.10	--	--	1.00 U	--	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS		5	1000	80	100			5			2	10000
4/6/05	0.18 U	4.85	1.00 U	--	0.45 U	0.24 U	1.00 U	10.18	0.36 U	--	1.01	--
9/21/05	0.18 U	12.43	0.32 U	--	1.00 U	0.24 U	0.30 U	14.72	2.57	--	1.80	--
4/5/06	0.18 U	5.03	0.32 U	--	0.45 U	0.24 U	0.30 U	13.99	0.36 U	--	1.00 U	--
9/26/06	0.18 U	21.98	0.32 U	--	1.38	0.24 U	0.30 U	17.23	2.26	--	6.32	--
4/18/07	0.18 U	1.00 U	0.32 U	--	1.00 U	0.24 U	0.30 U	0.31 U	0.36 U	--	1.54	--
10/4/07	0.18 U	23.67	1.00 U	--	2.68	0.24 U	0.30 U	24.95	3.46	--	2.90	--
3/25/08	0.23 U	16.57	0.28 U	0	1.42	0.08 U	--	12.65	1.91	--	6.72	--
9/24/08	0.13 U	21.49	0.50 U	0	1.52	0.13 U	--	18.35	1.78	--	3.97	--
3/10/09	0.13 U	7.95	0.50 U	0	1.23	0.13 U	--	6.22	0.80	--	6.99	--
9/21/09	1.00 U	15.40	1.00 U	--	1.91	1.00 U	1.00 U	18.10	2.42	--	6.30	--
7/28/10	--	29.00	1.00 U	--	2.00	1.00 U	5.00 U	22.00	1.00 U	1 U	4.00	--
9/21/10	2.00 U	17.10	2.00 U	--	2.44	2.00 U	2.00 U	20.30	3.80	2 U	6.22	--
4/21/11	--	12.00	1.00 U	--	1.80	1.00 U	5.00 U	9.40	4.50	7	1.00 U	1 U
9/6/11	--	1.80	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/7/12	--	22.00	1.00 U	--	2.50	1.00 U	5.00 U	17.00	2.20	1 U	6.40	1 U
9/12/12	1.00 U	26.50	1.00 U	--	1.00 U	1.00 U	5.00 U	24.90	1.00 U	5 U	1.00 U	--
3/26/13	1.00 U	22.30	1.00 U	--	2.55	1.00 U	5.00 U	16.70	2.17	5 U	6.64	--
9/12/13	1.00 U	14.40	1.00 U	--	2.09	1.00 U	5.00 U	16.00	1.74	5 U	2.95	--
3/11/14	1.00 U	20.80	1.00 U	--	2.81	1.00 U	5.00 U	16.70	1.87	5 U	5.70	--
9/3/14	1.00 U	18.50	1.00 U	--	2.91	1.00 U	5.00 U	18.30	2.21	5 U	5.66	--

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**Gude Landfill**  
**Monitoring Location OB12 - Volatile Organic Compounds**

Printed 10/24/20

	tert-Butylbenzene (ug/L)	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/23/15	1.00 U	15.60	1.00 U	--	2.50	1.00 U	5.00 U	15.00	1.47	5 U	5.76	--
9/2/15	1.00 U	26.20	1.00 U	--	2.65	1.00 U	5.00 U	28.90	2.47	5 U	3.84	--
3/23/16	1.00 U	20.70	1.00 U	--	3.13	1.00 U	5.00 U	19.70	1.92	5 U	6.39	--
8/29/16	1.00 U	17.80	1.00 U	--	2.51	1.00 U	5.00 U	20.30	2.09	5 U	3.88	--
3/8/17	1.00 U	22.40	1.00 U	--	3.69	1.00 U	5.00 U	15.40	2.54	5 U	5.80	--
9/18/17	1.00 U	21.20	1.00 U	--	2.52	1.00 U	5.00 U	21.30	2.29	5 U	3.38	--
4/3/18	1.00 U	18.20	1.00 U	--	2.69	1.00 U	5.00 U	17.70	1.73	5 U	4.14	--
9/11/18	1.00 U	15.80	1.00 U	--	2.71	1.00 U	5.00 U	17.40	2.48	5 U	4.56	--
4/10/19	--	13.00	1.00 U	--	3.20	1.00 U	1.00 U	12.30	1.10	1 U	7.10	--
8/6/19	--	16.20	1.00 U	--	2.60	1.00 U	1.00 U	16.00	1.50	1 U	6.20	--
3/11/20	--	14.80	1.00 U	--	3.00	1.00 U	1.00 U	14.90	1.50	1 U	8.40	--
8/3/20	--	17.00	1.00 U	--	2.80	1.00 U	1.00 U	17.40	1.70	1 U	7.00	--

**Gude Landfill**  
**Monitoring Location OB015 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/21/11	0.005 U	0.005 U	0.072	0.005 U	0.005 U	14.5	0.01 U	0.01 U	0.005 U	1.9	0.005 U	18.2	1.580	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/7/12	0.005 U	0.005 U	0.079	0.005 U	0.005 U	17.9	0.01 U	0.01	0.005 U	11.8	0.005 U	20.6	1.620	0.0002 U
9/12/12	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/26/13	0.005 U	0.005 U	0.071	0.005 U	0.005 U	14.1	0.01 U	0.01 U	0.011	0.2 U	0.005 U	15.8	0.164	0.0002 U
9/16/13	0.005 U	0.005 U	0.065	0.005 U	0.005 U	16.1	0.01 U	0.01	0.005 U	15.2	0.005 U	16.9	1.100	0.0002 U
3/11/14	0.005 U	0.005 U	0.063	0.005 U	0.005 U	13.4	0.01 U	0.01 U	0.005 U	0.8	0.005 U	17.1	0.161	0.0002 U
9/3/14	0.005 U	0.005 U	0.077	0.005 U	0.005 U	13.3	0.01 U	0.02	0.005 U	11.3	0.005 U	15.4	0.705	0.0002 U
3/23/15	0.002 U	0.002 U	0.053	0.002 U	0.004 U	9.3	0.01 U	0.01 U	0.010 U	0.0 U	0.002 U	14.0	0.027	0.0002 U
9/2/15	0.001 U	0.001 U	0.060	0.001 U	0.001 U	11.0	0.01 U	0.01	0.005 U	13.0	0.001 U	15.0	0.490	0.0002 U
3/23/16	0.002 U	0.002 U	0.056	0.002 U	0.002 U	10.6	0.00 U	0.00 U	0.002 U	0.2 U	0.002 U	15.8	0.074	0.0002 U
8/30/16	0.002 U	0.002 U	0.067	0.002 U	0.002 U	13.2	0.00 U	0.01	0.003	8.1	0.002 U	16.3	0.872	0.0002 U
3/8/17	0.002 U	0.002 U	0.096	0.002 U	0.002 U	23.0	0.00 U	0.00	0.017	9.9	0.002 U	25.1	1.690	0.0002 U
9/18/17	0.002 U	0.002 U	0.079	0.002 U	0.002 U	18.4	0.00 U	0.00	0.002 U	8.7	0.002 U	19.2	0.949	0.0002 U
4/3/18	0.002 U	0.002 U	0.067	0.002 U	0.002 U	14.5	0.00	0.00 U	0.002 U	0.4	0.002 U	16.5	0.186	0.0002 U
9/11/18	0.002 U	0.002 U	0.052	0.002 U	0.002 U	10.2	0.00 U	0.00 U	0.002 U	0.7	0.002 U	13.2	0.061	0.0002 U

Gude Landfill

Monitoring Location OB015 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/21/11	0.01	1.9	0.005 U	0.01 U	29.2	0.005 U	0.01 U	0.033
9/6/11	0.01	--	--	--	--	--	--	--
3/7/12	0.02	2.2	0.005 U	0.01 U	40.3	0.005 U	0.01 U	0.072
9/12/12	0.02	--	--	--	--	--	--	--
3/26/13	0.01	2.2	0.005 U	0.01 U	25.9	0.005 U	0.01 U	0.138
9/16/13	0.01	2.1	0.005 U	0.01 U	51.7	0.005 U	0.01 U	0.058
3/11/14	0.01	1.9	0.005 U	0.01 U	17.6	0.005 U	0.01 U	0.053
9/3/14	0.01	1.9	0.005 U	0.01 U	28.9	0.005 U	--	0.070
3/23/15	0.01 U	1.7	0.035 U	0.01 U	20.0	0.002 U	0.01 U	0.036
9/2/15	0.01 U	2.0	0.005 U	0.00 U	41.0	0.001 U	0.01 U	0.070
3/23/16	0.01	1.4	0.002 U	0.00 U	17.1	0.001 U	0.00 U	0.035
8/30/16	0.01	1.8	0.002 U	0.00 U	49.3	0.001 U	0.00 U	0.047
3/8/17	0.02	2.2	0.002 U	0.00 U	94.0	0.001 U	0.00 U	0.029
9/18/17	0.01	2.0	0.002 U	0.00 U	75.8	0.001 U	0.00 U	0.013
4/3/18	0.00	1.9	0.002 U	0.00 U	70.0	0.001 U	0.00 U	0.015
9/11/18	0.00	1.7	0.002 U	0.00 U	34.0	0.001 U	0.00 U	0.016

**Gude Landfill**  
**Monitoring Location OB015 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
5/1/01	--	--	--	9.1803	0.002	--	--	--	--	--	--	--	--	--	--
9/5/01	--	--	--	7.2977	0.004	--	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	20.6060	0.006	--	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	58.4814	0.001	--	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	2.5623	0.002 U	--	--	--	--	--	--	--	--	0.018	--
10/9/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.056	--
3/30/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.105	--
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.024	--
9/26/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.060	--
4/18/07	--	--	--	--	0.064	--	--	--	--	--	--	--	--	0.029	--
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	242.0	0.65	49.3	3.1600	--	--	600.0	0.2000 U	--	--	--	--	--	--	--
7/28/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/21/10	230.0	0.29	11.2	7.7300	--	--	165.0	0.0080 U	0 U	0.05 U	--	--	--	--	--
4/21/11	74.0	0.20 U	10.0 U	4.6100	--	--	114.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/6/11	228.0	0.31	27.3	10.0000	--	--	156.0	0.2000 U	0 U	0.05 U	--	--	--	--	--



**Gude Landfill**  
**Monitoring Location OB015 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
3/7/12	51.0	0.20 U	10.0 U	3.9500	--	--	140.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
9/12/12	226.0	0.27	17.8	11.9000	--	--	120.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/26/13	33.0	0.20 U	10.0 U	4.7300	--	1	94.0	0.2920	0	0.05 U	406	5.78	--	--	329
9/16/13	151.0	0.20 U	10.0 U	10.8000	--	--	120.0	0.2000 U	0 U	0.05 U	--	--	--	--	--
3/11/14	29.0	0.20 U	10.0 U	4.0400	--	1	96.0	0.6780	--	--	386	5.40	--	--	237
9/3/14	91.0	0.20 U	11.4	10.3000	--	--	102.0	0.2000 U	0 U	0.05 U	292	6.03	--	--	249
3/23/15	33.0	0.20 U	10.0 U	5.9600	--	0	112.0	1.7800	2	0.05 U	374	6.26	--	--	202
9/2/15	88.0	0.20 U	10.0 U	9.0100	--	2	320.0	0.2000 U	0 U	0.05 U	159	6.04	--	--	325
3/23/16	36.0	0.20 U	10.0 U	7.1400	--	0	92.0	5.1850	5	0.14	299	5.98	--	--	254
8/30/16	151.0	0.20 U	10.0 U	12.3000	--	2	140.0	0.2000 U	0 U	0.05 U	209	5.84	--	--	323
3/8/17	270.0	0.20 U	10.0 U	17.9000	--	--	340.0	0.2000 U	0 U	0.05 U	156	6.28	--	--	634
9/18/17	242.0	0.20 U	10.0 U	16.5000	--	--	142.0	0.2000 U	0 U	0.05 U	177	6.39	--	--	590
4/3/18	177.0	0.20 U	10.0 U	14.3000	--	0	111.0	0.2830	0	0.05 U	128	6.24	--	--	452
9/11/18	82.7	0.20 U	18.7	11.4000	--	--	87.2	0.2000 U	0 U	0.05 U	134	5.79	--	--	308
4/10/19	50.9	0.18	3.0 J	7.1000	--	1	134.0 B	0.5000	--	--	116	5.43	5.61	--	367
8/6/19	82.7	0.10 U	3.0 U	10.3000	--	1	91.7	0.6000	--	--	138	5.56	6.45	--	0
3/11/20	94.8	0.10 U	3.0 U	9.8000	--	1	92.8	1.2700	--	--	107	6.00	6.18	--	311
8/3/20	63.1	0.10 U	8.9	8.3000	--	1	105.0	0.7800	--	--	118	5.73	5.76	--	281

Gude Landfill

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Monitoring Location OB015 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
5/1/01	--	--	--	--	--	--	--	280.0	--
9/5/01	--	--	--	--	--	--	--	255.0	--
3/13/02	--	--	--	--	--	--	--	102.0	--
9/16/02	--	--	--	--	--	--	--	592.0	--
6/3/03	--	--	--	--	--	0	--	167.0	--
10/9/03	--	--	--	--	--	0 U	--	--	--
3/30/04	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	0 U	--	--	--
9/21/09	--	78.6	--	--	328	--	--	125.0	--
7/28/10	--	--	3.0 U	--	--	--	--	--	--
9/21/10	--	56.5	--	--	324	--	--	25.4	--
4/21/11	--	78.9	--	--	420	--	--	96.8	--
9/6/11	--	49.2	--	--	528	--	--	--	--

**Gude Landfill**  
**Monitoring Location OB015 - General Parameters**

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
3/7/12	--	93.2	--	--	272	--	--	--	--
9/12/12	--	37.9	--	--	308	--	--	--	--
3/26/13	--	92.8	--	15.1	184	--	--	--	46.8
9/16/13	--	63.3	--	--	244	--	--	--	--
3/11/14	--	91.8	--	15.4	164	--	--	--	33.0
9/3/14	--	69.1	--	15.7	198	--	--	--	48.1
3/23/15	--	79.0	--	7.3	192	--	--	--	22.1
9/2/15	--	64.2	--	21.2	133	--	--	--	31.6
3/23/16	--	60.6	--	18.2	168	--	--	--	22.9
8/30/16	--	65.1	--	24.9	219	--	--	--	32.3
3/8/17	--	68.1	--	16.3	315	--	--	--	6.0
9/18/17	--	67.6	--	20.0	377	--	--	--	49.0
4/3/18	--	52.3	--	13.7	287	--	--	--	30.8
9/11/18	--	4.9	--	19.9	117	--	--	--	26.2
4/10/19	303	91.0	--	17.0	186	--	2.7 U	4.5	4.4
8/6/19	325	74.4	--	20.5	197	--	23.4	28.8	281.1
3/11/20	331	57.9	--	15.2	151	--	2.3 U	4.7	4.9
8/3/20	307	58.4	--	18.9	185	--	18.8	31.2 O-	48.2

**Gude Landfill**  
**Monitoring Location OB015 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
5/1/01	0.0007 U	0.0020 U	0.0443	0.0005 U	--	0.0006 U	--	0.0034	0.0034	0.0100 U	--	0.0025
9/5/01	0.0020 U	0.0105	0.0795	0.0017 U	--	0.0020 U	--	0.0200	0.0155	0.0497	--	0.0413
3/13/02	0.0005 U	0.0020 U	0.0487	0.0017 U	--	0.0006 U	--	0.0034	0.0061	0.0133	--	0.0031
9/16/02	0.0007 U	0.0310	0.9000	0.0090	--	0.0150	--	0.4250	0.2930	0.7730	--	0.2990
6/3/03	0.0007 U	0.0020 U	0.1019	0.0004 U	--	0.0020 U	--	0.0047	0.0242	0.0213	--	0.0060
10/9/03	0.0045 U	0.0040 U	0.0999	0.0080 U	--	0.0035 U	--	0.0100 U	0.0213	0.0500 U	--	0.0100 U
3/30/04	0.0009 U	0.0008 U	0.1026	0.0016 U	--	0.0007 U	--	0.0020 U	0.0217	0.0113	--	0.0026
9/20/04	0.0028 U	0.0031	0.3716	0.0039	--	0.0020 U	--	0.1041	0.0583	0.0416	--	0.0242
4/6/05	0.0028 U	0.0006 U	0.0852	0.0012 U	--	0.0003 U	--	0.0020 U	0.0219	0.0153	--	0.0020 U
4/5/06	0.0006 U	0.0020 U	0.0991	0.0007 U	--	0.0020 U	--	0.0090	0.0163	0.0267	--	0.0088
9/26/06	0.0140 U	0.0400 U	0.3997	0.0180 U	--	0.0120 U	--	0.3214	0.2322	0.5593	--	0.1747
4/18/07	0.0007 U	0.0008 U	0.0364	0.0009 U	0.045	--	--	0.0007 U	0.0020 U	0.0061	--	0.0020 U
10/3/07	0.0070 U	0.0080 U	0.2282	0.0090 U	0.200 U	--	--	0.0521	0.0599	0.1171	--	0.0409
3/25/08	0.0005 U	0.0006 U	0.0856	0.0010 U	0.037	--	--	0.0020 U	0.0095	0.0067	--	0.0020 U
3/10/09	0.0010 U	0.0010 U	0.0881	0.0012 U	0.054	--	--	0.0100 U	0.0134	0.0100 U	--	0.0100 U
9/21/09	0.0020 U	0.0069	0.1190	0.0020 U	--	0.0042	29.5	0.0190	0.0273	0.0475	54.9	0.0170
7/28/10	0.0010 U	0.0015	0.0720	0.0010 U	--	0.0010 U	--	0.0035	0.0068	0.0022	--	0.0007 U
9/21/10	0.0050 U	0.0050 U	0.0785	0.0050 U	--	0.0050 U	18.0	0.0050 U	0.0050 U	0.0083	27.3	0.0050 U
4/21/11	0.0050 U	0.0050 U	0.0857	0.0050 U	--	0.0050 U	14.8 U	0.0053	0.0072	0.0119	9.2	0.0050 U
9/6/11	0.0050 U	0.0050 U	0.0919	0.0050 U	--	0.0050 U	21.6	0.0050 U	0.0062	0.0094	39.4	0.0050 U
3/7/12	0.0050 U	0.0050 U	0.0722	0.0050 U	--	0.0050 U	16.5	0.0050 U	0.0050 U	0.0066	6.6	0.0050 U
9/12/12	0.0050 U	0.0070	0.0923	0.0050 U	--	0.0050 U	18.3	0.0114	0.0165	0.0408	47.8	0.0079
3/26/13	0.0050 U	0.0050 U	0.0709	0.0050 U	--	0.0050 U	12.9	0.0050 U	0.0050 U	0.0100	2.9	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB015 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/16/13	0.0050 U	0.0050 U	0.0624	0.0050 U	--	0.0050 U	16.8	0.0050 U	0.0116	0.0059	17.3	0.0050 U
3/11/14	0.0050 U	0.0050 U	0.0635	0.0050 U	--	0.0050 U	12.0	0.0050 U	0.0050 U	0.0069	2.0	0.0050 U
9/3/14	0.0050 U	0.0050 U	0.0944	0.0050 U	--	0.0050 U	11.6	0.0096	0.0174	0.0281	52.5	0.0082
3/23/15	0.0020 U	0.0020 U	0.0510	0.0020 U	--	0.0040 U	9.5	0.0100 U	0.0100 U	0.0018 J	1.9	0.0020 U
9/2/15	0.0010 U	0.0011	0.0630	0.0013	--	0.0005 U	10.0	0.0050 U	0.0092	0.0050 U	24.0	0.0015
3/23/16	0.0050 U	0.0050 U	0.0656	0.0050 U	--	0.0050 U	13.3	0.0050 U	0.0050 U	0.0050 U	1.7	0.0050 U
8/30/16	0.0020 U	0.0020 U	0.0704	0.0020 U	--	0.0020 U	12.4	0.0020 U	0.0104	0.0056	22.4	0.0020 U
3/8/17	0.0020 U	0.0020 U	0.0944	0.0020 U	--	0.0020 U	22.6	0.0034	0.0049	0.0194	10.0	0.0020 U
9/18/17	0.0050 U	0.0050 U	0.0948	0.0050 U	--	0.0050 U	21.1	0.0050 U	0.0050 U	0.0080	18.5	0.0050 U
4/3/18	0.0020 U	0.0020 U	0.0669	0.0020 U	--	0.0020 U	15.5	0.0026	0.0020 U	0.0020 U	1.3	0.0020 U
9/11/18	0.0050 U	0.0050 U	0.0280	0.0050 U	--	0.0050 U	24.6	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
4/10/19	0.0010 U	0.0010 U	0.0875	0.0010 U	--	0.0010 U	11.7 B	0.0013	0.0052	0.0010 U	0.7	0.0010 U
8/6/19	0.0010 U	0.0010 U	0.0591	0.0010 U	--	0.0010 U	9.2	0.0098	0.0010 U	0.0039 B	3.0	0.0010 U
3/11/20	0.0010 U	0.0010 U	0.0583	0.0010 U	--	0.0010 U	9.1	0.0011	0.0010 U	0.0010 U	0.8	0.0010 U
8/3/20	0.0010 U	0.0010 U	0.0657	0.0010 U	--	0.0010 U	9.8	0.0038	0.0010 U	0.0040	5.8	0.0010 U

**Gude Landfill**  
**Monitoring Location OB015 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
5/1/01	--	0.465	0.0001 U	0.0061	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0020 U	--
9/5/01	--	1.035	0.0001 U	0.0255	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0060	--
3/13/02	--	0.701	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
9/16/02	--	7.311	0.0006	0.6290	--	0.0012 U	0.0096 U	--	0.0010 U	0.0259	0.1980	--
6/3/03	--	5.642	0.0002 U	0.0234	--	0.0012 U	0.0096 U	--	0.0010 U	0.0020 U	0.0029	--
10/9/03	--	3.500	0.0002 U	0.0288	--	0.0035 U	0.0110 U	--	0.0020 U	0.0020 U	0.0100 U	--
3/30/04	--	0.020 U	0.0002 U	0.0206	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/20/04	--	6.422	0.0002 U	0.1422	--	0.0134	0.0018 U	--	0.0006 U	0.0020 U	0.0390	--
4/6/05	--	4.440	0.0002 U	0.0197	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	--	0.002 U	0.0001 U	0.0259	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0032	--
9/26/06	--	9.224	0.0003	0.4895	--	0.0400 U	--	--	0.0140 U	0.0233	0.1477	--
4/18/07	--	--	0.0002 U	0.0086	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0081
10/3/07	--	--	0.0002 U	0.1120	--	0.0080 U	0.0050 U	--	0.0070 U	0.0020 U	0.0282	1.2155
3/25/08	--	--	0.0002 U	0.0084	--	0.0009 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0220
3/10/09	--	--	0.0002 U	0.0157	--	0.0012 U	0.0043 U	--	0.0008 U	0.0011 U	0.0100 U	0.0955
9/21/09	23.200	5.730	0.0002 U	0.0473	3.15	0.0020 U	0.0020 U	35.0	0.0020 U	--	0.0052	0.6980
7/28/10	--	--	0.0002 U	0.0100	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0200
9/21/10	17.400	3.870	0.0002 U	0.0098	2.18	0.0050 U	0.0050 U	53.3	0.0050 U	--	0.0050 U	0.0212
4/21/11	22.000 J	1.780	0.0002 U	0.0149	2.29	0.0050 U	0.0050 U	36.1 J	0.0050 U	--	0.0050 U	0.0544
9/6/11	21.600	3.270	0.0002 U	--	2.46	0.0050 U	0.0050 U	59.1	0.0050 U	--	0.0050 U	0.0668
3/7/12	21.300	1.280	0.0002 U	0.0144	2.12	0.0050 U	0.0050 U	29.2	0.0050 U	--	0.0050 U	0.0966
9/12/12	17.400	2.500	0.0002 U	--	2.32	0.0050 U	0.0050 U	62.5	0.0050 U	--	0.0050 U	0.3970
3/26/13	16.000	0.163	0.0002 U	0.0143	2.04	0.0050 U	0.0050 U	26.1	0.0050 U	--	0.0050 U	0.1360

**Gude Landfill**  
**Monitoring Location OB015 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/16/13	17.300	1.100	0.0002 U	0.0087	2.07	0.0050 U	0.0050 U	50.6	0.0050 U	--	0.0050 U	0.0516
3/11/14	14.500	0.130	0.0002 U	0.0115	1.84	0.0050 U	0.0050 U	17.3	0.0050 U	--	0.0050 U	0.0723
9/3/14	14.500	0.639	0.0002 U	0.0214	1.80	0.0050 U	0.0050 U	30.6	0.0050 U	--	0.0050 U	0.1830
3/23/15	15.000	0.028	0.0002 U	0.0061 U	1.70	0.0350 U	0.0100 U	20.0	0.0020 U	--	0.0100 U	0.0340
9/2/15	14.000	0.720	0.0002 U	0.0100 U	1.90	0.0050 U	0.0010 U	34.0	0.0010 U	--	0.0050 U	0.0830
3/23/16	19.500	0.085	0.0002 U	0.0119	1.82	0.0050 U	0.0050 U	22.0	0.0050 U	--	0.0050 U	0.0434
8/30/16	15.900	0.816	0.0002 U	0.0130	1.74	0.0020 U	0.0020 U	42.4	0.0010 U	--	0.0020 U	0.0866
3/8/17	25.000	1.740	0.0002 U	0.0180	2.21	0.0020 U	0.0020 U	92.4	0.0010 U	--	0.0020 U	0.0439
9/18/17	21.000	1.260	0.0002 U	0.0076	2.05	0.0050 U	0.0050 U	88.1	0.0050 U	--	0.0050 U	0.0499
4/3/18	17.500	0.144	0.0002 U	0.0049	1.94	0.0020 U	0.0020 U	73.8	0.0010 U	--	0.0020 U	0.0161
9/11/18	6.250	0.084	0.0002 U	0.0050 U	3.82	0.0050 U	0.0050 U	9.0	0.0050 U	--	0.0050 U	0.0058
4/10/19	25.400	1.920	0.0001 U	0.0343	1.98	0.0010 U	0.0010 U	8.4	0.0010 U	--	0.0010 U	0.0613
8/6/19	16.700	0.066	0.0001 U	0.0087	1.77	0.0010 U	0.0010 U	32.7	0.0010 U	--	0.0010 U	0.0296 B
3/11/20	17.000	0.448	0.0001 U	0.0101	1.78	0.0010 U	0.0010 U	39.9	0.0010 U	--	0.0010 U	0.0203
8/3/20	19.400	0.066	0.0001 U	0.0082	1.88	0.0010 U	0.0010 U	24.6	0.0010 U	--	0.0010 U	0.0270

Gude Landfill

Printed 10/24/20

Monitoring Location OB015 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
5/1/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/5/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/9/03	0.18 U	0.15 U	0.23 U	0.22 U	1.65	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	0.2 U	0.17 U	0.21 U
3/30/04	0.18 U	0.15 U	0.23 U	0.22 U	2.69	1.00 U	0.22 U	1.00 U	0.21 U	1.00 U	1.00 U	0.20 U	1.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	3.21	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	1.00 U	0.25 U	1.48	0.37 U	0.35 U	22.11	0.40 U	1.00 U	1.34	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	3.19	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	1.88	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	11.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	7.04	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/3/07	--	--	--	--	--	--	--	--	--	--	--	--	10.0 U	--	--
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	4.20	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	4.04	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.50 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	4.62	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	0.39 J
7/28/10	1.00 U	1.00 U	1.00 U	1.00 U	3.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	12.00	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	2.30	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location OB015 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	3.10	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	1.56	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	3.73	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	1.59	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.64	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.04	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	2.36
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	3.80	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.84
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB015 - Volatile Organic Compounds

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
5/1/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/9/03	0.21 U	0.19 U	1.00 U	0.11 U	3.49	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/30/04	0.21 U	0.19 U	1.00 U	0.11 U	35.64	0.15 U	1.00 U	0.14 U	--	1.00 U	--	--	--	1.00 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	1.00 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	0.23 U	6.45	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
10/3/07	--	--	10.00 U	--	--	--	--	--	--	--	--	--	--	--	--	--
3/25/08	0.24 U	0.20 U	0.23 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.50 U	0.20 U	0.12 U
3/10/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	0.17 J	1.00 U	1.00 U	1.00 U	0.19 J	1.00 U	1 U	0.20 J	--	1 U	--	0.49 J	1.00 U	1.00 U
7/28/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/21/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB015 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/7/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/3/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	15.10	--	5 U	1 U	1.00 U	--	1.00 U
8/6/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/11/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB015 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
5/1/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.36	--	0.26 U
9/5/01	0.18 U	0.14 U	0.15 U	1.81	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.20	--	0.26 U
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.66	--	0.26 U
10/9/03	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
3/30/04	0.18 U	0.14 U	1.00 U	1.77	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/6/05	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.97	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
9/26/06	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	1.0 U	0.27 U	1.00 U	--	1.28	0.29 U	0.27 U	1.00 U	--	0.23 U
10/3/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.5 U	0.21 U	0.15 U	--	1.10	0.13 U	0.15 U	0.52	--	0.26 U
3/10/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.17	0.12 U	0.13 U	0.50 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	0.4 J	1.00 U	1.00 U	--	1.51	1.00 U	1.00 U	1.00 U	--	1.00 U
7/28/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	0.90 J	1.00 U	1.00 U	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	1.0 J	2.00 U	2.00 U	--	1.02 J	2.00 U	2.00 U	2.00 U	--	2.00 U
4/21/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB015 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/7/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.02	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.27	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.21	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/6/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/11/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB015 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
5/1/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.84	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/9/03	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/30/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	1.00 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	1.44	0.39 U	0.18 U	1.00 U	1.00 U	0.25 U	1.00 U
4/5/06	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/3/07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
3/10/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/28/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/21/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/6/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB015 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/7/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/6/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/11/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location OB015 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
5/1/01	1.00 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	--
9/5/01	1.00 U	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	--
3/13/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/16/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/3/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
10/9/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	7.44	--
3/30/04	1.00 U	1.00 U	--	1.00 U	0.13 U	0.14 U	1.24	0.18 U	--	18.30	--
9/20/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.42	0.36 U	--	4.28	--
4/6/05	1.00 U	0.32 U	--	0.45 U	0.24 U	1.00 U	1.00 U	0.36 U	--	6.37	--
4/5/06	0.36 U	0.32 U	--	1.00 U	0.24 U	0.30 U	2.73	0.36 U	--	6.33	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.75	0.36 U	--	11.66	--
4/18/07	0.36 U	0.32 U	--	1.00 U	0.24 U	0.30 U	1.16	0.36 U	--	18.40	--
10/3/07	--	--	--	--	--	--	--	--	--	--	--
3/25/08	0.20 U	0.28 U	0	0.50 U	0.08 U	--	0.65	0.07 U	--	6.29	--
3/10/09	0.16 U	0.12 U	0	0.50 U	0.13 U	--	0.50 U	0.10 U	--	2.78	--
9/21/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	0.91 J	1.00 U	--	3.92	--
7/28/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1 U	3.00	--
9/21/10	0.54 J	2.00 U	--	2.00 U	2.00 U	2.00 U	1.23 J	2.00 U	2 U	10.20	--
4/21/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.10	1.00 U	1 U	1.00 U	1 U
9/6/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U



Gude Landfill

Printed 10/24/20

Monitoring Location OB015 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/7/12	1.10	1.00 U	--	1.00 U	1.00 U	5.00 U	2.20	1.00 U	1 U	1.90	1 U
9/12/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/26/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.18	1.00 U	5 U	1.00 U	--
9/16/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.11	1.00 U	5 U	1.87	--
3/11/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/8/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.70	1.00 U	5 U	1.00 U	--
9/18/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.73	1.00 U	5 U	1.17	--
4/3/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/10/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.20	--
8/6/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/11/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/3/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location OB025 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/20/11	0.005 U	0.005 U	0.097	0.005 U	0.005 U	65.7	0.01 U	0.01	0.005 U	0.6	0.005 U	42.2	7.200	0.0002 U
9/6/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/12/12	0.005 U	0.005 U	0.080	0.005 U	0.005 U	74.2	0.01 U	0.02	0.005 U	1.1	0.005 U	48.3	4.910	0.0002 U
9/13/12	0.005 U	0.005 U	0.153	0.005 U	0.005 U	89.2	0.01 U	0.03	0.005 U	9.9	0.005 U	61.3	19.100	0.0002 U
3/26/13	0.005 U	0.005 U	0.068	0.005 U	0.005 U	59.9	0.01 U	0.01 U	0.014	0.3	0.005 U	43.2	0.488	0.0002 U
9/12/13	0.005 U	0.005 U	0.110	0.005 U	0.005 U	73.3	0.01 U	0.02	0.005 U	2.2	0.005 U	51.1	10.100	0.0002 U
3/11/14	0.005 U	0.005 U	0.049	0.005 U	0.005 U	40.7	0.01 U	0.01 U	0.005 U	0.2	0.005 U	28.1	0.141	0.0002 U
9/10/14	0.005 U	0.005 U	0.117	0.005 U	0.005 U	68.9	0.01 U	0.02	0.005	0.4	0.005 U	48.0	8.660	0.0002 U
3/19/15	0.002 U	0.002 U	0.069	0.002 U	0.004 U	79.0	0.01 U	0.01 J	0.003 J	0.0 U	0.002 U	57.0	14.000	0.0002 U
9/1/15	0.001 U	0.001 J	0.065	0.001 U	0.001 U	75.0	0.01 U	0.01	0.005 U	0.0 U	0.001 U	54.0	16.000	0.0002 U
3/21/16	0.002 U	0.002 U	0.109	0.002 U	0.002 U	72.5	0.00	0.02	0.002 U	4.1	0.002 U	52.1	4.050	0.0002 U
8/30/16	0.002 U	0.002 U	0.149	0.002 U	0.002 U	72.2	0.00 U	0.03	0.003	2.6	0.002 U	54.1	21.500	0.0002 U
3/8/17	0.002 U	0.002 U	0.113	0.002 U	0.002 U	75.8	0.00 U	0.03	0.016	1.1	0.002 U	54.8	21.100	0.0002 U
9/14/17	0.002 U	0.002 U	0.156	0.002 U	0.002 U	79.8	0.01	0.03	0.002 U	12.6	0.002 U	56.5	22.600	0.0002 U
3/29/18	0.002 U	0.002 U	0.107	0.002 U	0.002 U	87.0	0.01	0.03	0.002 U	0.2 U	0.002 U	59.9	24.700	0.0002 U
9/5/18	0.002 U	0.002 U	0.133	0.002 U	0.002 U	89.3	0.01	0.04	0.002 U	2.6	0.002 U	61.6	24.100	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB025 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/20/11	0.01	10.2	0.005 U	0.01 U	38.7	0.005 U	0.01 U	0.009
9/6/11	0.01	--	--	--	--	--	--	--
3/12/12	0.05	9.6	0.005 U	0.01 U	42.1	0.005 U	0.01 U	0.008
9/13/12	0.06	17.8	0.005 U	0.01 U	78.0	0.005 U	0.01 U	0.009
3/26/13	0.01	9.6	0.005 U	0.01 U	41.4	0.005 U	0.01 U	0.007
9/12/13	0.03	13.4	0.005 U	0.01 U	56.2	0.005 U	0.01 U	0.007
3/11/14	0.01 U	7.0	0.005 U	0.01 U	21.7	0.005 U	0.01 U	0.009
9/10/14	0.01	11.7	0.005 U	0.01 U	51.5	0.005 U	0.01 U	0.010
3/19/15	0.02	14.0	0.035 U	0.01 U	68.0	0.001 J	0.01 U	0.005 J
9/1/15	0.01	14.0	0.005 U	0.00 U	68.0	0.001 U	0.01 U	0.011
3/21/16	0.01	13.0	0.003	0.00 U	66.4	0.001 U	0.00 U	0.005
8/30/16	0.02	14.2	0.003	0.00 U	71.6	0.001 U	0.00 U	0.009
3/8/17	0.02	14.2	0.005	0.00 U	76.6	0.001 U	0.00 U	0.010
9/14/17	0.02	14.2	0.003	0.00 U	79.5	0.001 U	0.00 U	0.006
3/29/18	0.02	14.6	0.007	0.00 U	80.9	0.001 U	0.00 U	0.009
9/5/18	0.02	13.5	0.005	0.00 U	77.9	0.001 U	0.00	0.012

**Gude Landfill**  
**Monitoring Location OB025 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
5/1/01	--	--	--	112.3660	0.002	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	108.9420	0.004	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	21.4801	0.002	--	--	--	--	--	--	--	--	--
9/17/02	--	--	--	190.5350	0.003	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	93.1125	0.005 U	--	--	--	--	--	--	--	--	0.028
10/9/03	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
3/30/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.041
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.023
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.055
4/4/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
9/25/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.011
4/17/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/26/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	423.0	1.57	1080.0	156.0000	--	--	740.0	0.6782	--	--	--	--	--	--
7/26/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	472.0	3.69	90.0	173.0000	--	--	750.0	0.2000 U	0 U	0.05 U	--	--	--	--

**Gude Landfill**  
**Monitoring Location OB025 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/20/11	282.0	0.63	107.0	62.3000	--	--	450.0	1.3300	1	0.05 U	--	--	--	--
9/6/11	267.0	1.91	19.6	86.6000	--	--	292.0	0.2000 U	0	0.05 U	--	--	--	--
3/12/12	249.0	0.73	18.6	73.5000	--	--	356.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/13/12	374.0	2.31	23.5	158.0000	--	--	500.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/26/13	268.0	0.20 U	21.6	59.5000	--	8	316.0	0.6060	1	0.05 U	381	7.16	--	--
9/12/13	387.0	2.94	17.2	175.0000	--	3	490.0	0.2000 U	0 U	0.05 U	364	6.12	--	--
3/11/14	194.0	0.20 U	10.0 U	34.8000	--	8	238.0	2.1300	--	--	305	6.86	--	--
9/10/14	287.0	0.95	28.6	80.2000	--	5	354.0	0.7560	1	0.05 U	309	6.89	--	--
3/19/15	316.0	0.20 U	20.0	147.0000	--	7	440.0	2.2200	2	0.05 U	354	6.83	--	--
9/1/15	323.0	0.54	17.8	168.0000	--	--	460.0	1.9300	2	0.05 U	274	6.23	--	--
3/21/16	307.0	1.81	19.1	195.0000	--	4	428.0	0.7310	1	0.05 U	218	6.42	--	--
8/30/16	330.0	2.82	24.1	191.0000	--	--	292.0	0.2000 U	0 U	0.05 U	219	6.09	--	--
3/8/17	335.0	1.15	16.9	211.0000	--	--	584.0	1.7100	2	0.05 U	355	6.51	--	--
9/14/17	296.0	2.25	16.8	219.0000	--	1	520.0	0.8070	1	0.05 U	244	6.39	--	--
3/29/18	280.0	0.61	27.1	250.0000	--	--	524.0	2.3100	2	0.05 U	207	6.32	--	--
9/5/18	300.0	2.67	26.3	251.0000	--	--	455.0	0.2000 U	0	0.05 U	88	5.86	--	--
4/10/19	315.0	0.33	25.0	191.0000	--	2	388.0 B	0.2000 U	--	--	139	6.36	6.26	--
7/29/19	330.0	1.96	22.2	170.0000	--	0	354.0 B	1.9000	--	--	200	5.99	5.32	--
3/5/20	310.0	0.37	25.6	190.0000	--	2	377.0	3.2700	--	--	180	6.32	6.41	--
7/30/20	329.0	3.65	34.7	158.0000	--	1	366.0	0.2000 U	--	--	112	5.59	6.20	--

### Gude Landfill Monitoring Location OB025 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
5/1/01	--	--	--	--	--	--	--	--	56.0	--
9/4/01	--	--	--	--	--	--	--	--	37.0	--
3/13/02	--	--	--	--	--	--	--	--	966.0	--
9/17/02	--	--	--	--	--	--	--	--	225.0	--
6/3/03	--	--	--	--	--	--	0	--	94.0	--
10/9/03	--	--	--	--	--	--	0 U	--	--	--
3/30/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	--	0 U	--	--	--
3/26/08	--	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	--	0 U	--	--	--
9/22/09	--	--	71.8	--	--	888	--	--	10100.0	--
7/26/10	--	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	--	67.0	--	--	916	--	--	357.0	--

## Gude Landfill

Printed 10/24/20

### Monitoring Location OB025 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/20/11	--	--	32.1 J	--	--	532	--	--	15050.0	--
9/6/11	--	--	39.7	--	--	252	--	--	--	--
3/12/12	--	--	44.1	--	--	568	--	--	--	--
9/13/12	--	--	61.8	--	--	756	--	--	--	--
3/26/13	395	--	39.6	--	10.2	454	--	--	--	51.0
9/12/13	807	--	65.0	--	17.7	838	--	--	--	153.0
3/11/14	491	--	32.6	--	9.0	324	--	--	--	65.0
9/10/14	544	--	37.2	--	17.1	516	--	--	--	37.6
3/19/15	960	--	47.5	--	13.7	666	--	--	--	14.4
9/1/15	356	--	47.2	--	28.3	593	--	--	--	14.0
3/21/16	1075	--	51.4	--	11.4	694	--	--	--	45.7
8/30/16	1178	--	45.4	--	26.7	681	--	--	--	22.7
3/8/17	1143	--	44.3	--	18.8	701	--	--	--	48.1
9/14/17	1215	--	45.9	--	19.0	780	--	--	--	21.5
3/29/18	1215	--	48.9	--	25.8	736	--	--	--	22.9
9/5/18	1358	--	41.3	--	23.6	751	--	--	--	35.0
4/10/19	1449	1210	45.8	--	15.9	751	--	19.3	12.8	15.9
7/29/19	1143	1180	45.2	--	19.5	732	--	6.3	1.5	0.0
3/5/20	1062	1190	37.6	--	14.0	698	--	57.0	72.5	33.2
7/30/20	1081	1210	32.5	--	18.4	682	--	17.8	9.3	12.1

**Gude Landfill**  
**Monitoring Location OB025 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
5/1/01	0.0007 U	0.0005 U	0.0597	0.0005 U	--	0.0020 U	--	0.0046	0.0102	0.0100 U	--	0.0031
9/4/01	0.0020 U	0.0020 U	0.0851	0.0017 U	--	0.0006 U	--	0.0012 U	0.0138	0.0105	--	0.0020 U
3/13/02	0.0005 U	0.0041	0.1423	0.0017 U	--	0.0020 U	--	0.0182	0.0102	0.0382	--	0.0401
9/17/02	0.0007 U	0.0065	0.1118	0.0004 U	--	0.0020 U	--	0.0060	0.0289	0.0214	--	0.0043
6/3/03	0.0256	0.0200 U	0.1133	0.0200 U	--	0.0200 U	--	0.0200 U	0.0311	0.0439	--	0.0200 U
10/9/03	0.0009 U	0.0008 U	0.0846	0.0016 U	--	0.0020 U	--	0.0020 U	0.0109	0.0100 U	--	0.0020 U
3/30/04	0.0009 U	0.0034	0.1361	0.0016 U	--	0.0020 U	--	0.0228	0.0410	0.0339	--	0.0086
9/21/04	0.0028 U	0.0006 U	0.0800	0.0012 U	--	0.0020 U	--	0.0035	0.0104	0.0153	--	0.0020 U
4/6/05	0.0028 U	0.0006 U	0.0817	0.0012 U	--	0.0020 U	--	0.0007 U	0.0166	0.0137	--	0.0006 U
9/21/05	0.0028 U	0.0040	0.2081	0.0020 U	--	0.0024	--	0.0652	0.0865	0.0774	--	0.0260
4/4/06	0.0006 U	0.0006 U	0.0658	0.0007 U	--	0.0020 U	--	0.0020 U	0.0119	0.0085	--	0.0021
9/25/06	0.0007 U	0.0008 U	0.0794	0.0009 U	--	0.0020 U	--	0.0020 U	0.0157	0.0075	--	0.0020 U
4/17/07	0.0007 U	0.0020 U	0.0832	0.0009 U	0.200 U	--	--	0.0007 U	0.0187	0.0065	--	0.0007 U
10/3/07	0.0007 U	0.0020 U	0.1065	0.0009 U	0.182	--	--	0.0046	0.0229	0.0083	--	0.0020 U
3/26/08	0.0005 U	0.0024	0.1388	0.0010 U	0.167	--	--	0.0089	0.0329	0.0146	--	0.0026
9/24/08	0.0010 U	0.0040 U	0.1179	0.0020 U	0.400 U	--	--	0.0016 U	0.0270	0.0065	--	0.0020 U
3/9/09	0.0010 U	0.0100 U	0.1126	0.0012 U	0.209	--	--	0.0007 U	0.0241	0.0100 U	--	0.0007 U
9/22/09	0.0020 U	0.0037	1.3100	0.0137	--	0.0174	111.0	0.1050	0.4180	0.3640	239.0	0.1480
7/26/10	0.0010 U	0.0009 U	0.1500	0.0010 U	--	0.0006 U	--	0.0035	0.0410	0.0085	--	0.0013
9/15/10	0.0050 U	0.0050 U	0.1920	0.0050 U	--	0.0050 U	90.2	0.0193	0.0532	0.0302	29.9	0.0050 U
4/20/11	0.0050 U	0.0050 U	0.1950	0.0050 U	--	0.0050 U	92.7	0.0050 U	0.0244	0.0062	1.3	0.0050 U
9/6/11	0.0050 U	0.0050 U	0.1630	0.0050 U	--	0.0050 U	65.1	0.0050 U	0.0285	0.0168	5.7	0.0137
3/12/12	0.0050 U	0.0050 U	0.1460	0.0050 U	--	0.0050 U	73.3	0.0297	0.0393	0.0374	31.7	0.0077

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB025 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/13/12	0.0050 U	0.0050 U	0.6310	0.0062	--	0.0050 U	89.5	0.0174	0.1220	0.1430	25.9	0.0269
3/26/13	0.0050 U	0.0050 U	0.0769	0.0050 U	--	0.0050 U	56.2	0.0081	0.0067	0.0194	4.7	0.0050 U
9/12/13	0.0050 U	0.0050 U	0.1750	0.0050 U	--	0.0050 U	91.2	0.0117	0.0373	0.0153	17.0	0.0050 U
3/11/14	0.0050 U	0.0050 U	0.0539	0.0050 U	--	0.0050 U	39.6	0.0060	0.0050 U	0.0080	3.1	0.0050 U
9/10/14	0.0212	0.0263	0.6240	0.1160	--	0.1150	61.9	0.3050	0.3360	0.3370	163.0	0.1220
3/19/15	0.0020 U	0.0020 U	0.0710	0.0020 U	--	0.0040 U	81.0	0.0082 J	0.0090 J	0.0042 J	0.8	0.0020 U
9/1/15	0.0010 U	0.0010 U	0.0700	0.0010 U	--	0.0005 U	83.0	0.0050 U	0.0090	0.0050 U	0.5	0.0010 U
3/21/16	0.0050 U	0.0050 U	0.2200	0.0050 U	--	0.0050 U	86.1	0.0071	0.0501	0.0122	7.6	0.0050 U
8/30/16	0.0020 U	0.0020 U	0.1440	0.0020 U	--	0.0020 U	71.7	0.0020 U	0.0339	0.0037	3.9	0.0020 U
3/8/17	0.0050 U	0.0050 U	0.1230	0.0050 U	--	0.0050 U	81.2	0.0050 U	0.0339	0.0242	2.9	0.0050 U
9/14/17	0.0050 U	0.0050 U	0.1150	0.0050 U	--	0.0050 U	83.3	0.0050 U	0.0260	0.0053	3.7	0.0050 U
3/29/18	0.0050 U	0.0050 U	0.1210	0.0050 U	--	0.0050 U	86.1	0.0050 U	0.0302	0.0070	2.4	0.0050 U
9/5/18	0.0050 U	0.0050 U	0.1390	0.0050 U	--	0.0050 U	82.9	0.0050 U	0.0377	0.0090	3.6	0.0050 U
4/10/19	0.0010 U	0.0010 U	0.0912	0.0010 U	--	0.0010 U	62.1 B	0.0029	0.0310	0.0010 U	1.3	0.0010 U
7/29/19	0.0010 U	0.0010 U	0.1000	0.0010 U	--	0.0010 U	57.6 B	0.0023	0.0300	0.0336	0.3	0.0010 U
3/5/20	0.0010 U	0.0020	0.1150	0.0010 U	--	0.0010 U	60.5	0.0354	0.0351	0.0053	10.8	0.0012
7/30/20	0.0010 U	0.0010 U	0.1380	0.0010 U	--	0.0010 U	59.1	0.0021	0.0365	0.0018	2.2	0.0010 U

**Gude Landfill**  
**Monitoring Location OB025 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
5/1/01	--	12.980	0.0001 U	0.0051	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	--
9/4/01	--	16.200	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
3/13/02	--	0.397	0.0002 U	0.0215	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0238	--
9/17/02	--	20.940	0.0001 U	0.0281	--	0.0060	0.0096 U	--	0.0010 U	0.0025	0.0127	--
6/3/03	--	11.460	0.0002 U	0.0366	--	0.0120 U	0.0960 U	--	0.0100 U	0.0020 U	0.0200 U	--
10/9/03	--	7.731	0.0002 U	0.0074	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/30/04	--	1.955	0.0002 U	0.0446	--	0.0025	0.0022 U	--	0.0010 U	0.0022	0.0171	--
9/21/04	--	5.523	0.0001 U	0.0138	--	0.0020 U	0.0018 U	--	0.0006 U	0.0003 U	0.0022	--
4/6/05	--	11.562	0.0001 U	0.0109	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0004 U	--
9/21/05	--	15.005	0.0002	0.0872	--	0.0053	0.0018 U	--	0.0006 U	0.0100 U	0.0629	--
4/4/06	--	10.264	0.0001 U	0.0090	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/25/06	--	9.249	0.0002 U	0.0097	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/17/07	--	--	0.0002 U	0.0113	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0378
10/3/07	--	--	0.0002 U	0.0161	--	0.0023	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0487
3/26/08	--	--	0.0002 U	0.0215	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0087	0.1868
9/24/08	--	--	0.0002 U	0.0128	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0263
3/9/09	--	--	0.0002 U	0.0127	--	0.0100 U	0.0043 U	--	0.0008 U	0.0011 U	0.0008 U	0.0243
9/22/09	82.800	55.800	0.0003	0.2260	17.60	0.0364	0.0020 U	84.0	0.0020 U	--	0.1560	3.9500
7/26/10	--	--	0.0001 J	0.0220	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0460
9/15/10	71.600	24.200	0.0002 U	0.0506	16.60	0.0059	0.0050 U	88.9	0.0050 U	--	0.0141	0.1090
4/20/11	70.200	6.860	0.0014	0.0183	7.24	0.0050 U	0.0050 U	100.0 J	0.0050 U	--	0.0050 U	0.0216
9/6/11	44.200	10.520	0.0002 U	--	14.30	0.0050 U	0.0050 U	54.3	0.0050 U	--	0.0077	0.0256
3/12/12	57.700	7.210	0.0013	0.0098	10.70	0.0052	0.0050 U	43.9	0.0050 U	--	0.0236	0.1120

**Gude Landfill**  
**Monitoring Location OB025 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/13/12	62.400	20.700	0.0005	0.0145	16.80	0.0088	0.0050 U	69.0	0.0050 U	--	0.0452	0.1300
3/26/13	41.500	0.818	0.0002 U	0.0077	9.22	0.0050 U	0.0050 U	39.0	0.0050 U	--	0.0077	0.0196
9/12/13	69.000	18.200	0.0002	0.0110	16.40	0.0050 U	0.0050 U	83.5	0.0050 U	--	0.0100	0.0400
3/11/14	27.000	0.210	0.0002 U	0.0089	6.49	0.0050 U	0.0050 U	20.4	0.0050 U	--	0.0050 U	0.0150
9/10/14	90.300	12.800	0.0002	0.4000	13.20	0.0411	0.0991	38.4	0.0778	--	0.2610	0.9620
3/19/15	59.000	14.000	0.0002 U	0.0220	14.00	0.0350 U	0.0100 U	66.0	0.0020 U	--	0.0100 U	0.0085 U
9/1/15	58.000	15.000	0.0002 U	0.0150	14.00	0.0050 U	0.0010 U	70.0	0.0010 U	--	0.0050 U	0.0096
3/21/16	62.600	20.300	0.0002 U	0.0334	14.20	0.0054	0.0050 U	77.9	0.0050 U	--	0.0051	0.0415
8/30/16	52.400	21.700	0.0002 U	0.0167	13.50	0.0027	0.0020 U	69.8	0.0010 U	--	0.0020 U	0.0121
3/8/17	58.600	22.400	0.0002 U	0.0213	15.00	0.0061	0.0050 U	80.0	0.0050 U	--	0.0050 U	0.0168
9/14/17	61.000	21.400	0.0002 U	0.0156	14.60	0.0050 U	0.0050 U	80.8	0.0050 U	--	0.0050 U	0.0261
3/29/18	59.800	25.000	0.0002 U	0.0197	14.90	0.0050 U	0.0050 U	80.4	0.0050 U	--	0.0050 U	0.0340
9/5/18	60.300	24.000	0.0002 U	0.0239	14.40	0.0080	0.0050 U	80.3	0.0050 U	--	0.0050 U	0.0198
4/10/19	56.500	24.700	0.0001	0.0184	14.40	0.0010 U	0.0010 U	82.4	0.0010 U	--	0.0010 U	0.0127
7/29/19	51.100	22.600	0.0001 U	0.0181	13.50	0.0010 U	0.0010 U	73.7 B	0.0010 U	--	0.0010 U	0.0114
3/5/20	54.400	22.700	0.0001 U	0.0364	16.10	0.0011	0.0010 U	83.3	0.0010 U	--	0.0038	0.0258
7/30/20	53.100	24.100	0.0001 U	0.0161	15.50	0.0010 U	0.0010 U	82.5	0.0010 U	--	0.0010 U	0.0083

Gude Landfill

Printed 10/24/20

Monitoring Location OB025 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200			5		7					0.2	0.05	600	5	5
5/1/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	1.00 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/17/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/9/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	0.2 U	0.17 U	0.21 U
3/30/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	1.00 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.59	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	1.32	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	0.34 U
3/26/08	0.18 U	0.18 U	0.21 U	0.23 U	0.50 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	0.70	0.15 U	0.13 U	0.50 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.50 U
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.50 U	0.17 U	0.13 U	0.20 U	0.08 U	--	0.13 U	0.50 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.3 U	1.00 U	0.40 U
7/26/10	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	1.11 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	143.00	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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Gude Landfill

Printed 10/24/20

Monitoring Location OB025 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	0.4	1.00 U	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	1.00 U	1.00 U	2.16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	1.42	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.77	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	1.14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	1.00 U	1.00 U	2.71	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	1.30	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	1.00 U	2.87	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.07
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	1.20	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
5/1/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	1.00 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/17/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/9/03	0.21 U	0.19 U	0.12 U	0.11 U	0.08	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/30/04	0.21 U	0.19 U	10.00 U	0.11 U	4.60	0.15 U	1.00 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	1.00 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	1.00 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	1.38	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
3/26/08	0.24 U	0.20 U	10.00 U	0.50 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	0.84	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	--	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	3.16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	0.46 U	1.00 U	1.00 U
7/26/10	--	1.00 U	3.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00	--	1.00 U
9/15/10	2.00 U	2.00 U	3.80	2.00 U	0.87 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.11	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/20/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/12/12	--	--	3.70	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/13/12	1.00 U	1.00 U	3.30	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/13	1.00 U	1.00 U	6.84	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.43	1.00 U	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.48	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.15	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.49	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.37	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	7.99	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/14/17	1.00 U	1.00 U	1.82	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/5/18	1.00 U	1.00 U	2.83	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/10/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	14.50	--	5 U	1 U	1.00 U	--	1.00 U
7/29/19	--	1.00 U	3.10	1.00 U	5.00 U	--	5.00 U	--	5 U	5.80	--	5 U	1 U	1.00 U	--	1.00 U
3/5/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/30/20	--	1.00 U	4.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloroethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
5/1/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	1.00 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/13/02	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	1.0 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/17/02	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
10/9/03	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/30/04	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	2.56	0.29 U	0.27 U	0.20 U	--	0.23 U
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.58	0.3 U	0.27 U	1.00 U	--	6.07	0.29 U	0.27 U	1.00 U	--	0.23 U
3/26/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	4.38	0.13 U	0.15 U	0.19 U	--	0.26 U
9/24/08	0.11 U	0.16 U	0.12 U	--	0.14 U	1.07	0.5 U	0.12 U	0.50 U	--	6.23	0.12 U	0.13 U	0.15 U	--	0.12 U
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.50 U	0.1 U	0.12 U	0.20 U	--	4.12	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.93	0.3 J	1.00 U	1.00 U	--	7.50	1.00 U	1.00 U	1.00 U	--	1.00 U
7/26/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	3.00	1.0 U	1.00 U	1.00 U	--	11.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	4.50	0.7 J	2.00 U	2.00 U	--	6.82	2.00 U	2.00 U	2.00 U	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/20/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/12/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.60	1.0 U	1.00 U	1.00 U	--	4.90	1.00 U	1.00 U	--	--	1.00 U
9/13/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	9.55	1.00 U	1.00 U	1.00 U	--	1.00 U
3/26/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	7.75	1.0 U	1.00 U	1.00 U	--	19.50	1.00 U	1.00 U	1.00 U	--	1.00 U
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.34	1.0 U	1.00 U	1.00 U	--	1.02	1.00 U	1.00 U	1.00 U	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.14	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.15	1.0 U	1.00 U	1.00 U	--	7.14	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.56	1.0 U	1.00 U	1.00 U	--	9.22	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.64	1.0 U	1.00 U	1.00 U	--	12.00	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	7.39	1.00 U	1.00 U	1.00 U	--	1.00 U
9/14/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.60	1.0 U	1.00 U	1.00 U	--	16.90	1.00 U	1.00 U	1.00 U	--	1.00 U
3/29/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	7.85	1.00 U	1.00 U	1.00 U	--	1.00 U
9/5/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	3.02	1.0 U	1.00 U	1.00 U	--	17.10	1.00 U	1.00 U	1.00 U	--	1.00 U
4/10/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	3.60	1.00 U	1.00 U	--	5 U	1.00 U
7/29/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.0 U	1.00 U	1.00 U	1 U	7.50	1.00 U	1.00 U	--	5 U	1.00 U
3/5/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	4.30	1.00 U	1.00 U	--	5 U	1.00 U
7/30/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	3.60	1.0 U	1.00 U	1.00 U	1 U	8.20	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
5/1/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	2.69	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/17/02	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/9/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/30/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/4/06	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	1.00 U	0.41 U	0.25 U	1.00 U
9/25/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	1.00 U	1.00 U	0.25 U	1.00 U
10/3/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/26/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/24/08	--	0.12 U	0.23 U	--	--	5.00 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/9/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/26/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/20/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/6/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/12/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/13/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/26/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/11/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/14/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/29/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/5/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/10/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/29/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/5/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location OB025 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
5/1/01	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	--
9/4/01	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
3/13/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/17/02	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
6/3/03	1.45	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
10/9/03	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	2.49	--
3/30/04	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.12	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	3.33	--
4/6/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	1.21	--
4/4/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/25/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	2.15	--
4/17/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.04	0.36 U	--	1.00 U	--
10/3/07	1.44	0.32 U	--	0.45 U	0.24 U	0.30 U	2.43	0.36 U	--	5.29	--
3/26/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	1.21	0.07 U	--	0.50 U	--
9/24/08	0.16 U	0.12 U	0	0.50 U	0.13 U	--	0.13 U	0.10 U	--	4.29	--
3/9/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.96	0.10 U	--	0.50 U	--
9/22/09	0.70 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.66	1.00 U	--	2.61	--
7/26/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.00	1.00 U	1 U	3.00	--
9/15/10	0.86 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.24	2.00 U	2 U	4.04	--

Shaded concentrations represent MCL/GWPS exceedances

**Gude Landfill**  
**Monitoring Location OB025 - Volatile Organic Compounds**

Printed 10/24/20

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/20/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/6/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/12/12	3.80	1.00 U	--	1.00 U	1.00 U	5.00 U	2.10	1.00 U	1 U	1.00 U	1 U
9/13/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/26/13	1.40	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/13	3.92	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.47	--
3/11/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.07	1.00 U	5 U	2.78	--
3/21/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.43	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	3.79	--
3/8/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.26	--
9/14/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.29	1.00 U	5 U	4.64	--
3/29/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.29	--
9/5/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.08	1.00 U	5 U	5.66	--
4/10/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/29/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	3.50	--
3/5/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	3.80	--

**Gude Landfill**  
**Monitoring Location OB102 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/19/11	0.005 U	0.006	0.352	0.005 U	0.005 U	115.0	0.01 U	0.08	0.080	1.1	0.005 U	96.1	21.700	0.0002 U
9/7/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/6/12	0.005 U	0.005 U	0.344	0.005 U	0.005 U	115.0	0.01 U	0.07	0.045	0.6	0.005 U	96.1	21.100	0.0002 U
9/11/12	0.005 U	0.012	0.364	0.005 U	0.005 U	114.0	0.01 U	0.08	0.044	0.8	0.005 U	98.2	19.900	0.0002 U
3/21/13	0.010 U	0.012	0.398	0.010 U	0.010 U	116.0	0.01 U	0.08	0.049	0.8	0.005 U	102.0	20.500	0.0002 U
9/11/13	0.005 U	0.005	0.370	0.005 U	0.005 U	121.0	0.01 U	0.07	0.041	0.7	0.005 U	100.0	20.500	0.0002 U
3/24/14	0.005 U	0.005 U	0.351	0.005 U	0.005 U	114.0	0.01 U	0.07	0.036	0.2 U	0.005 U	96.3	18.200	0.0002 U
9/2/14	0.005 U	0.005	0.373	0.005 U	0.005 U	111.1	0.01 U	0.07	0.046	2.0 U	0.005 U	91.7	18.800	0.0002 U
3/17/15	0.002 U	0.008	0.360	0.002 U	0.001 J	120.0	0.01 U	0.07	0.032	0.0 U	0.002 U	97.0	19.000	0.0002 U
9/3/15	0.001 U	0.009	0.350	0.001 U	0.001 U	120.0	0.01 U	0.07	0.026	0.0 U	0.001 U	97.0	19.000	0.0002 U
3/17/16	0.005 U	0.005 U	0.412	0.005 U	0.005 U	--	0.01 U	0.08	0.041	--	0.005 U	--	17.700	0.0002 U
8/31/16	0.002 U	0.006	0.405	0.002 U	0.002 U	112.0	0.00	0.07	0.035	0.8	0.002 U	97.2	16.100	0.0002 U
3/7/17	0.005 U	0.005 U	0.407	0.005 U	0.005 U	119.0	0.01 U	0.07	0.041	1.0	0.005 U	99.4	16.600	0.0002 U
9/11/17	0.005 U	0.005 U	0.365	0.005 U	0.005 U	102.0	0.01 U	0.06	0.021	0.7	0.005 U	86.9	12.100	0.0002 U
4/4/18	0.002 U	0.007	0.349	0.002 U	0.002 U	93.7	0.02	0.06	0.021	0.1	0.002 U	82.4	12.700	0.0002 U
9/4/18	0.002 U	0.006	0.306	0.002 U	0.002 U	89.4	0.02	0.04	0.012	0.2	0.004 U	78.3	10.600	0.0002 U

**Gude Landfill**  
**Monitoring Location OB102 - Dissolved Metals**

Printed 10/24/20

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/19/11	0.10	37.3	0.026	0.01 U	582.0	0.005 U	0.01 U	0.013
9/7/11	0.09	--	--	--	--	--	--	--
3/6/12	0.09	39.0	0.016	0.01 U	508.0	0.005 U	0.01 U	0.013
9/11/12	0.10	42.1	0.039	0.01 U	532.0	0.005 U	0.01 U	0.013
3/21/13	0.11	47.2	0.043	0.01 U	545.0	0.005 U	0.01 U	0.015
9/11/13	0.09	48.3	0.020	0.01 U	499.0	0.005 U	0.01 U	0.011
3/24/14	0.09	43.7	0.015	0.01 U	522.0	0.005 U	0.01 U	0.012
9/2/14	0.09	43.6	0.021	0.01 U	529.0	0.005 U	0.01 U	0.016
3/17/15	0.10	51.0	0.022 J	0.01 U	490.0	0.002 U	0.01 U	0.009 J
9/3/15	0.09	49.0	0.024	0.00 U	510.0	0.001 U	0.01 U	0.009
3/17/16	0.10	64.0	0.017	0.01 U	--	0.005 U	0.01 U	0.012
8/31/16	0.09	50.1	0.020	0.00 U	527.4	0.001 U	0.00 U	0.007
3/7/17	0.09	52.7	0.015	0.01 U	532.0	0.005 U	0.01 U	0.011
9/11/17	0.08	53.6	0.010	0.01 U	466.0	0.005 U	0.01 U	0.045
4/4/18	0.08	52.5	0.017	0.00 U	467.0	0.001 U	0.00	0.009
9/4/18	0.07	53.8	0.018	0.00 U	437.0	0.002 U	0.00	0.008

**Gude Landfill**  
**Monitoring Location OB102 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
5/1/01	--	--	--	187.8970	0.002	--	--	--	--	--	--	--	--	--
9/4/01	--	--	--	114.1510	0.003	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	447.9400	0.005	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	550.9640	0.003	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	82.9571	0.005 U	--	--	--	--	--	--	--	--	0.011
10/8/03	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.061
3/24/04	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.024
9/21/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.170
4/6/05	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.029
4/5/06	--	--	--	--	0.037	--	--	--	--	--	--	--	--	0.023
9/26/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.021
4/17/07	--	--	--	--	0.015	--	--	--	--	--	--	--	--	0.023
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.058
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	1140.0	11.20	262.0	560.0000	--	--	810.0	0.2000 U	--	--	--	--	--	--
7/27/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/20/10	1100.0	8.98	252.0	577.0000	--	--	900.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB102 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/19/11	1008.0	11.10	235.0 J	578.0000	--	--	775.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/7/11	1000.0	11.10	237.0	564.0000	--	--	701.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/6/12	1056.0	11.60	227.0	602.0000	--	--	640.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/11/12	1060.0	12.00	242.0	588.0000	--	--	700.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/21/13	1110.0	14.00	235.0	558.0000	--	0	686.0	0.2000 U	0 U	0.05 U	299	6.86	--	--
9/11/13	1080.0	13.30	126.0	543.0000	--	0	696.0	0.2000 U	0 U	0.05 U	272	6.41	--	--
3/24/14	980.0	13.50	176.0	519.0000	--	0	710.0	0.2000 U	--	--	251	6.80	--	--
9/2/14	1000.0	12.30	147.0	520.0000	--	6	684.0	0.2000 U	0 U	0.05 U	234	6.74	--	--
3/17/15	1040.0	14.60	87.0	563.0000	--	0	724.0	0.2000 U	0 U	0.05 U	290	7.07	--	--
9/3/15	1100.0	15.80	120.0	551.0000	--	--	700.0	0.2000 U	0 U	0.05 U	163	6.54	--	--
3/17/16	1160.0	16.10	210.0	560.0000	--	0	660.0	0.2000 U	0 U	0.05 U	287	6.80	--	--
8/31/16	2180.0	18.30	146.0	528.0000	--	1	620.0	0.2000 U	0 U	0.05 U	244	6.76	--	--
3/7/17	1340.0	16.70	229.0	519.0000	--	--	620.0	0.2000 U	0 U	0.05 U	253	6.74	--	--
9/11/17	1200.0	23.70	148.0	464.0000	--	0	680.0	0.2000 U	0 U	0.05 U	271	6.78	--	--
4/4/18	1090.0	19.40	222.0	465.0000	--	--	541.0	0.2000 U	0 U	0.05 U	212	6.80	--	--
9/4/18	1050.0	23.70	142.0	466.0000	--	0	575.0	0.2000 U	0 U	0.05 U	63	6.80	--	--
4/15/19	957.0	18.30	131.0	410.0000	--	0	492.0	0.9000	--	--	103	6.68	6.80	--
8/5/19	1050.0	18.00	149.0	472.0000	--	0	550.0	1.1000	--	--	61	6.38	6.68	--
3/3/20	1040.0	17.30	147.0	487.0000	--	0	601.0	2.1300	--	--	77	6.56	6.70	--
7/29/20	1050.0	19.80	155.0	475.0000	--	1	583.0	1.4500	--	--	47	6.48	6.65	--

Gude Landfill

Printed 10/24/20

Monitoring Location OB102 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
5/1/01	--	--	--	--	--	--	--	--	4.2	--
9/4/01	--	--	--	--	--	--	--	--	13.5	--
3/12/02	--	--	--	--	--	--	--	--	66.5	--
9/16/02	--	--	--	--	--	--	--	--	3.8	--
6/2/03	--	--	--	--	--	--	0	--	6.9	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/24/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0	--	--	--
10/2/07	--	--	--	--	--	--	0	--	--	--
3/25/08	--	--	--	--	--	--	0	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/21/09	--	--	71.9	--	--	2120	--	--	191.0	--
7/27/10	--	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	--	57.4	--	--	2252	--	--	71.4	--

Gude Landfill

Printed 10/24/20

Monitoring Location OB102 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/19/11	--	--	74.3	--	--	2308	--	--	23.7	--
9/7/11	--	--	74.4	--	--	2244	--	--	--	--
3/6/12	--	--	55.4	--	--	2268	--	--	--	--
9/11/12	--	--	55.2	--	--	2236	--	--	--	--
3/21/13	3	--	48.1	--	13.2	2146	--	--	--	58.9
9/11/13	3303	--	44.7	--	16.2	2158	--	--	--	84.5
3/24/14	3270	--	45.0	--	13.5	2122	--	--	--	79.5
9/2/14	3129	--	69.4	--	15.7	2098	--	--	--	19.9
3/17/15	1902	--	65.3	--	13.6	2066	--	--	--	15.4
9/3/15	3390	--	64.9	--	16.4	2099	--	--	--	8.5
3/17/16	3339	--	51.9	--	14.6	2220	--	--	--	6.5
8/31/16	3436	--	48.0	--	21.2	2100	--	--	--	13.7
3/7/17	3128	--	43.5	--	14.5	1830	--	--	--	6.3
9/11/17	3443	--	27.1	--	16.0	1990	--	--	--	0.4
4/4/18	2225	--	31.1	--	12.5	1860	--	--	--	3.4
9/4/18	2646	--	25.5	--	20.9	1840	--	--	--	3.2
4/15/19	3530	2930	83.3	--	14.0	1760	--	2.7	1.0	9.7
8/5/19	3	3160	99.4	--	16.5	1960	--	42.8	5.2	0.4
3/3/20	3069	3330	78.7	--	14.9	1950	--	4.5	2.0	0.0
7/29/20	2965	3360	70.1	--	18.8	1970	--	5.4	2.4	0.0

**Gude Landfill**  
**Monitoring Location OB102 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
5/1/01	0.0007 U	0.0020 U	0.1103	0.0005 U	--	0.0020 U	--	0.0043	0.0201	0.0166	--	0.0028
9/4/01	0.0038	0.0020 U	0.0859	0.0017 U	--	0.0020 U	--	0.0020 U	0.0247	0.0161	--	0.0025
3/12/02	0.0020 U	0.0052	0.2397	0.0017 U	--	0.0022	--	0.0029	0.0591	0.0702	--	0.0036
9/16/02	0.0007 U	0.0251	0.2550	0.0004 U	--	0.0020 U	--	0.0005 U	0.0737	0.2655	--	0.0020 U
6/2/03	0.0007 U	0.0020 U	0.0633	0.0004 U	--	0.0020 U	--	0.0005 U	0.0134	0.0236	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.0818	0.0016 U	--	0.0007 U	--	0.0005 U	0.0947	0.0100 U	--	0.0020 U
3/24/04	0.0009 U	0.0008 U	0.1215	0.0016 U	--	0.0007 U	--	0.0020 U	0.0145	0.0228	--	0.0020 U
9/21/04	0.0028 U	0.0020 U	0.2291	0.0012 U	--	0.0020 U	--	0.0020 U	0.1029	0.0248	--	0.0026
4/6/05	0.0028 U	0.0020 U	0.3498	0.0012 U	--	0.0020 U	--	0.0024	0.0991	0.0384	--	0.0020 U
9/21/05	0.0028 U	0.0020 U	0.3393	0.0012 U	--	0.0020	--	0.0043	0.1041	0.2110	--	0.0046
4/5/06	0.0006 U	0.0042	0.3277	0.0007 U	--	0.0020 U	--	0.0029	0.0894	0.0543	--	0.0022
9/26/06	0.0020	0.0061	0.3264	0.0009 U	--	0.0020 U	--	0.0026	0.1094	0.0437	--	0.0020 U
4/17/07	0.0007 U	0.0057	0.3338	0.0009 U	2.627	--	--	0.0035	0.0873	0.0557	--	0.0020 U
10/2/07	0.0070 U	0.0200 U	0.7682	0.0090 U	2.054	--	--	0.1373	0.2586	1.8022	--	0.0806
3/25/08	0.0005 U	0.0063	0.3156	0.0010 U	1.383	--	--	0.0033	0.0821	0.0638	--	0.0020 U
9/23/08	0.0010 U	0.0061	0.3331	0.0020 U	4.923	--	--	0.0088	0.0876	0.0880	--	0.0055
3/10/09	0.0010 U	0.0100 U	0.4215	0.0024 U	4.394	--	--	0.0200 U	0.0850	0.1301	--	0.0100 U
9/21/09	0.0020 U	0.0065	0.3850	0.0020 U	--	0.0021	116.0	0.0105	0.0925	0.1360	9.0	0.0043
7/27/10	0.0010 U	0.0028	0.3400	0.0010 U	--	0.0017	--	0.0082	0.0860	0.1000	--	0.0035
9/20/10	0.0050 U	0.0068	0.3420	0.0050 U	--	0.0050 U	114.0	0.0050 U	0.0842	0.0908	3.6	0.0050 U
4/19/11	0.0050 U	0.0061	0.3490	0.0050 U	--	0.0050 U	124.0	0.0050 U	0.0764	0.0483	1.7	0.0050 U
9/7/11	0.0050 U	0.0058	0.3440	0.0050 U	--	0.0050 U	119.7	0.0050 U	0.0724	0.0449	0.8	0.0050 U
3/6/12	0.0050 U	0.0050 U	0.3550	0.0050 U	--	0.0050 U	115.0	0.0050 U	0.0734	0.0505	0.9	0.0050 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB102 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/11/12	0.0050 U	0.0050 U	0.3490	0.0050 U	--	0.0050 U	120.0	0.0062	0.0729	0.0485	1.0	0.0050 U
3/21/13	0.0100 U	0.0112	0.4040	0.0100 U	--	0.0100 U	118.0	0.0140	0.0852	0.0710	1.9	0.0050 U
9/11/13	0.0050 U	0.0052	0.3470	0.0050 U	--	0.0050 U	116.0	0.0050 U	0.0704	0.0709	2.0	0.0050 U
3/24/14	0.0050 U	0.0050 U	0.3670	0.0050 U	--	0.0050 U	116.0	0.0050 U	0.0695	0.0616	3.6	0.0050 U
9/2/14	0.0050 U	0.0050	0.3660	0.0050 U	--	0.0050 U	109.0	0.0050 U	0.0686	0.0500	2.0 U	0.0050 U
3/17/15	0.0020 U	0.0083	0.3500	0.0020 U	--	0.0007 U	120.0	0.0100 U	0.0740	0.0410	0.4	0.0020 U
9/3/15	0.0010 U	0.0120	0.3500	0.0010 U	--	0.0005 U	120.0	0.0050 U	0.0730	0.0380	0.2	0.0010 U
3/17/16	0.0050 U	0.0050 U	0.4070	0.0050 U	--	0.0050 U	--	0.0050 U	0.0744	0.0448	--	0.0050 U
8/31/16	0.0020 U	0.0046	0.3750	0.0020 U	--	0.0020 U	100.0	0.0026	0.0677	0.0428	1.2	0.0020 U
3/7/17	0.0050 U	0.0060	0.3780	0.0050 U	--	0.0050 U	118.0	0.0050 U	0.0708	0.1670	1.2	0.0050 U
9/11/17	0.0050 U	0.0050 U	0.3740	0.0050 U	--	0.0050 U	104.0	0.0050 U	0.0631	0.3030	0.7	0.0050 U
4/4/18	0.0050 U	0.0061	0.3520	0.0050 U	--	0.0050 U	88.2	0.0050 U	0.0497	0.0299	0.3	0.0050 U
9/4/18	0.0020 U	0.0050	0.3320	0.0020 U	--	0.0020 U	93.6	0.0063	0.0595	0.0249	0.2	0.0020 U
4/15/19	0.0010 U	0.0010 U	0.2580	0.0010 U	--	0.0010 U	69.1	0.0016	0.0605	0.0228	0.1	0.0010 U
8/5/19	0.0010 U	0.0010 U	0.3040	0.0010 U	--	0.0010 U	80.5	0.0024	0.0610	0.0213	0.3	0.0010 U
3/3/20	0.0010 U	0.0011	0.3310	0.0010 U	--	0.0010 U	89.3	0.0029	0.0609	0.0239	0.2	0.0010 U
7/29/20	0.0010 U	0.0010	0.3210	0.0010 U	--	0.0010 U	83.0	0.0034	0.0673	0.0212	0.4	0.0010 U

**Gude Landfill**  
**Monitoring Location OB102 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
5/1/01	--	4.290	0.0001 U	0.0113	--	0.0050 U	0.0052 U	--	0.0009 U	0.2000 U	0.0020 U	--
9/4/01	--	3.720	0.0002 U	0.0106	--	0.0022	0.0044 U	--	0.0010 U	0.2000 U	0.0021	--
3/12/02	--	16.290	0.0002 U	0.0421	--	0.0155	0.0044 U	--	0.0009 U	0.2000 U	0.0045	--
9/16/02	--	17.810	0.0002 U	0.0781	--	0.0661	0.0096 U	--	0.0010 U	0.0020 U	0.0098	--
6/2/03	--	2.041	0.0002 U	0.0082	--	0.0023	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	4.083	0.0002 U	0.0052	--	0.0020 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/24/04	--	6.425	0.0002 U	0.0230	--	0.0026	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
9/21/04	--	17.250	0.0001 U	0.0362	--	0.0071	0.0018 U	--	0.0010 U	0.0003 U	0.0020 U	--
4/6/05	--	25.835	0.0001 U	0.0900	--	0.0092	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	24.560	0.0001 U	0.0767	--	0.0093	0.0018 U	--	0.0010	0.0050 U	0.0047	--
4/5/06	--	0.002 U	0.0001 U	0.0913	--	0.0127	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/26/06	--	--	0.0002 U	0.0870	--	0.0185	--	--	0.0007 U	0.0050 U	0.0020 U	--
4/17/07	--	--	0.0002 U	0.0942	--	0.0179	0.0005 U	--	0.0007 U	0.0500 U	0.0030	0.0210
10/2/07	--	--	0.0006	0.2651	--	0.0360	0.0050 U	--	0.0200 U	0.0020 U	0.1443	1.2540
3/25/08	--	--	0.0002 U	0.0908	--	0.0186	0.0008 U	--	0.0006 U	0.0500 U	0.0020 U	0.0248
9/23/08	--	--	0.0002 U	0.0871	--	0.0152	0.0016 U	--	0.0012 U	0.0011 U	0.0105	0.0424
3/10/09	--	--	0.0002 U	0.1029	--	0.0167	0.0043 U	--	0.0008 U	0.0011 U	0.0200 U	0.0776
9/21/09	94.800	22.200	0.0002 U	0.1180	37.20	0.0256	0.0020 U	613.0	0.0020 U	--	0.0104	0.0464
7/27/10	--	--	0.0002 U	0.0970	--	0.0005 J	0.0010 U	--	0.0015	0.0050 U	0.0081	0.0390
9/20/10	94.300	21.800	0.0002 U	0.1010	37.80	0.0256	0.0050 U	500.0	0.0050 U	--	0.0050 U	0.0224
4/19/11	102.000 J	23.500	0.0002 U	0.0920	39.80 J	0.0237	0.0050 U	561.0	0.0050 U	--	0.0050 U	0.0135
9/7/11	98.400	20.900	0.0002 U	--	40.40	0.0224	0.0050 U	550.0	0.0050 U	--	0.0050 U	0.0127
3/6/12	97.400	21.200	0.0002 U	0.0900	39.90	0.0170	0.0050 U	532.0	0.0050 U	--	0.0050 U	0.0130

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB102 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/11/12	97.400	21.700	0.0002 U	0.0970	41.40	0.0176	0.0050 U	586.0	0.0050 U	--	0.0050 U	0.0129
3/21/13	104.000	20.200	0.0002 U	0.1070	47.40	0.0411	0.0100 U	558.0	0.0050 U	--	0.0100 U	0.0206
9/11/13	96.900	20.100	0.0008 U	0.0963	46.70	0.0188	0.0050 U	483.0	0.0050 U	--	0.0050 U	0.0196
3/24/14	99.200	18.800	0.0002 U	0.0903	44.90	0.0162	0.0050 U	523.0	0.0050 U	--	0.0050 U	0.0231
9/2/14	89.730	18.000	0.0002 U	0.0884	43.00	0.0197	0.0050 U	504.0	0.0050 U	--	0.0050 U	0.0194
3/17/15	96.000	19.000	0.0002 U	0.1000	51.00	0.0210 J	0.0100 U	490.0	0.0020 U	--	0.0100 U	0.0110
9/3/15	100.000	18.000	0.0002 U	0.0910	51.00	0.0320	0.0010 U	510.0	0.0010 U	--	0.0050 U	0.0110
3/17/16	--	17.300	0.0002 U	0.1010	49.50	0.0165	0.0050 U	--	0.0050 U	--	0.0050 U	0.0119
8/31/16	86.400	15.500	0.0002 U	0.0903	45.60	0.0159	0.0020 U	483.0	0.0010 U	--	0.0020 U	0.0074
3/7/17	98.100	15.700	0.0002 U	0.1020	52.60	0.0114	0.0050 U	547.0	0.0050 U	--	0.0050 U	0.0118
9/11/17	89.900	11.900	0.0002 U	0.0848	55.30	0.0105	0.0050 U	460.0	0.0050 U	--	0.0050 U	0.0329
4/4/18	77.800	14.000	0.0002 U	0.0768	51.10	0.0097	0.0050 U	437.0	0.0050 U	--	0.0050 U	0.0232
9/4/18	82.900	10.200	0.0002 U	0.0875	58.40	0.0135	0.0020 U	462.0	0.0010 U	--	0.0020 U	0.0127
4/15/19	77.700	12.600	0.0001 U	0.0727	46.20	0.0010 U	0.0010 U	493.0 B	0.0010 J	--	0.0010 U	0.0090
8/5/19	84.700	14.400	0.0001 U	0.0767	47.90	0.0010 U	0.0010 U	525.0	0.0010 U	--	0.0010 U	0.0104 B
3/3/20	91.800	14.900	0.0001 U	0.0810	51.40	0.0010 U	0.0010 U	495.0	0.0010 U	--	0.0010 U	0.0076
7/29/20	91.100	13.900	0.0001 U	0.0789	50.90	0.0010 U	0.0010 U	518.0	0.0010 U	--	0.0010 U	0.0080

Gude Landfill

Printed 10/24/20

Monitoring Location OB102 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
5/1/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	1.00 U	0.22 U	0.19 U	1.00 U	1.00 U	4.19	0.21 U	1.00 U	1.00 U	0.20 U	1.0 U	0.17 U	0.21 U
3/24/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	12.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.5 U	0.13 U	0.15 U
3/10/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.37 J	1.00 U	1.00 U	1.00 U	1.00 U	0.4 J	1.00 U	1.00 U
7/27/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



Gude Landfill

Printed 10/24/20

Monitoring Location OB102 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
5/1/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	1.00 U	0.19 U	1.05	0.11 U	0.62	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	1.00 U	0.20 U
3/24/04	0.21 U	0.19 U	10.00 U	0.11 U	1.72	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.25	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	2.32	0.23 U	1.36	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	12.00 U	0.23 U	1.77	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.84	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	1.58	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	1.81	0.50 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.50 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	1.43	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
3/10/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	0.69 J	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--	1 U	--	0.46 J	1.00 U	1.00 U
7/27/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	1.12 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	0.53 J	--	2 U	--	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
4/19/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/7/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/6/12	--	--	1.40	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.14	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.27	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.55	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.30	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	8.00	--	5 U	--	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.62	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.37	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/7/17	1.00 U	1.00 U	1.40	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/4/18	1.00 U	1.00 U	1.01	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/15/19	--	1.00 U	1.10	1.00 U	5.00 U	--	5.00 U	--	5 U	7.20 B	--	5 U	1 U	1.00 U	--	1.00 U
8/5/19	--	1.00 U	1.40	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/3/20	--	1.00 U	1.30	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/29/20	--	1.00 U	1.50	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
5/1/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/4/01	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/12/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	2.07	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
10/8/03	0.18 U	0.14 U	1.00 U	2.13	0.15 U	1.00 U	0.2 U	0.23 U	1.00 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	1.00 U
3/24/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.17	0.3 U	0.27 U	0.25 U	--	1.34	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.31	0.3 U	0.27 U	0.25 U	--	2.27	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.54	0.3 U	0.27 U	0.25 U	--	1.28	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	1.65	0.3 U	0.27 U	1.00 U	--	2.30	0.29 U	0.27 U	0.20 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.74	0.3 U	0.27 U	0.25 U	--	2.14	0.29 U	0.27 U	0.20 U	--	0.23 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	2.43	0.3 U	0.27 U	0.25 U	--	2.50	0.29 U	0.27 U	0.20 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	1.65	0.1 U	0.21 U	0.15 U	--	1.75	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	1.41	0.1 U	0.12 U	0.20 U	--	1.46	0.12 U	0.13 U	0.15 U	--	0.12 U
3/10/09	0.11 U	0.16 U	0.12 U	--	0.14 U	2.08	0.1 U	0.12 U	0.20 U	--	1.54	0.12 U	0.13 U	0.15 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	2.27	1.0 U	1.00 U	1.00 U	--	1.38	1.00 U	1.00 U	1.00 U	--	1.00 U
7/27/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0 U	1.00 U	1.00 U	--	1.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	1.51 J	2.0 U	2.00 U	2.00 U	--	0.65 J	2.00 U	2.00 U	2.00 U	--	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
4/19/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/7/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/6/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.60	1.0 U	1.00 U	1.00 U	--	0.79	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.14	1.0 U	1.00 U	1.00 U	--	1.26	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.14	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.22	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.36	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.74	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.38	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/31/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.88	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/7/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.44	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	2.02	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.80	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.75	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/15/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/5/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.30	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.40	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.70	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
5/1/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.54	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/8/03	--	1.00 U	1.00 U	1.05	--	--	0.22 U	0.21 U	1.93	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U
3/24/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	1.00 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/2/07	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/10/09	--	0.50 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/27/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB102 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
4/19/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/7/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/6/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/31/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/7/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/15/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/5/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/29/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location OB102 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
5/1/01	1.00 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	--
9/4/01	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
3/12/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/16/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/2/03	1.32	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
10/8/03	1.83	0.24 U	--	1.00 U	0.13 U	0.14 U	1.00 U	1.00 U	--	2.79	--
3/24/04	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	0.10	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	2.98	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	2.33	--
4/5/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	1.11	--
4/17/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/2/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
3/25/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.80	--
3/10/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
9/21/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
7/27/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--



Gude Landfill

Printed 10/24/20

Monitoring Location OB102 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
4/19/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/7/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/6/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/11/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/31/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/7/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/15/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/5/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/3/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/29/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location OB105 - Dissolved Metals**

Printed 10/24/20

	Antimony, dissolved (mg/L)	Arsenic, dissolved (mg/L)	Barium, dissolved (mg/L)	Beryllium, dissolved (mg/L)	Cadmium, dissolved (mg/L)	Calcium, dissolved (mg/L)	Chromium, dissolved (mg/L)	Cobalt, dissolved (mg/L)	Copper, dissolved (mg/L)	Iron, dissolved (mg/L)	Lead, dissolved (mg/L)	Magnesium, dissolved (mg/L)	Manganese, dissolved (mg/L)	Mercury, dissolved (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005		0.1				0.015			0.002
4/25/11	0.005 U	0.005 U	0.189	0.005 U	0.005 U	92.9	0.01 U	0.01	0.005	7.2	0.005 U	84.6	1.550	0.0002 U
9/15/11	--	--	--	--	--	--	--	--	--	--	--	--	--	--
3/13/12	0.005 U	0.008	0.208	0.005 U	0.005 U	165.0	0.01 U	0.01	0.005	14.1	0.005 U	156.2	3.370	0.0002 U
9/17/12	0.005 U	0.007	0.111	0.005 U	0.005 U	171.0	0.01 U	0.01	0.005	7.2	0.005 U	119.0	2.830	0.0002 U
4/2/13	0.005 U	0.009	0.152	0.005 U	0.005 U	160.0	0.01 U	0.02	0.015	8.4	0.005 U	130.0	5.090	0.0002 U
9/16/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/19/13	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/13	0.010 U	0.010 U	0.122	0.005 U	0.010 U	173.1	0.01 U	0.01 U	0.010 U	5.6	0.010 U	125.6	3.380	0.0002 U
3/13/14	0.005 U	0.005 U	0.242	0.005 U	0.005 U	144.0	0.01 U	0.01 U	0.005 U	7.6	0.005 U	121.0	1.910	0.0002 U
9/8/14	0.005 U	0.005 U	0.142	0.005 U	0.005 U	158.0	0.01 U	0.01	0.008	4.2	0.005 U	119.0	4.490	0.0002 U
3/18/15	0.002 U	0.006	0.360	0.002 U	0.004 U	150.0	0.01 U	0.01	0.003 J	15.0	0.002 U	150.0	3.200	0.0002 U
9/1/15	0.001 U	0.006	0.240	0.001 U	0.001 U	150.0	0.01 U	0.01	0.005 U	9.6	0.001 U	130.0	4.400	0.0002 U
3/16/16	0.005 U	0.005 U	0.362	0.005 U	0.005 U	--	0.01 U	0.01	0.007	--	0.005 U	--	3.600	0.0002 U
8/30/16	0.002 U	0.004	0.231	0.002 U	0.002 U	132.0	0.00 U	0.01	0.010	8.0	0.002 U	113.0	2.290	0.0002 U
3/6/17	0.005 U	0.005 U	0.410	0.005 U	0.005 U	138.0	0.01 U	0.01	0.007	16.8	0.005 U	135.0	2.960	0.0002 U
9/12/17	0.005 U	0.005 U	0.215	0.005 U	0.005 U	157.0	0.01 U	0.01	0.116	7.5	0.005 U	128.0	3.700	0.0002 U
3/28/18	0.002 U	0.007	0.533	0.002 U	0.002 U	101.0	0.01	0.01	0.002 U	12.8	0.002 U	127.0	1.450	0.0002 U
9/11/18	0.002 U	0.008	0.225	0.002 U	0.002 U	143.0	0.02	0.01	0.002 U	6.2	0.002 U	117.0	3.390	0.0002 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB105 - Dissolved Metals

	Nickel, dissolved (mg/L)	Potassium, dissolved (mg/L)	Selenium, dissolved (mg/L)	Silver, dissolved (mg/L)	Sodium, dissolved (mg/L)	Thallium, dissolved (mg/L)	Vanadium, dissolved (mg/L)	Zinc, dissolved (mg/L)
MCL/ GWPS			0.05			0.002		
4/25/11	0.01	61.4	0.010	0.01 U	216.0	0.005 U	0.01 U	0.093
9/15/11	0.05	--	--	--	--	--	--	--
3/13/12	0.28	51.0	0.026	0.01 U	242.0	0.005 U	0.01 U	0.010
9/17/12	0.07	12.8	0.025	0.01 U	179.0	0.005 U	0.01 U	0.016
4/2/13	0.10	25.7	0.030	0.01 U	279.0	0.005 U	0.01 U	0.009
9/16/13	0.01	--	--	--	--	--	--	--
9/19/13	0.10	--	--	--	--	--	--	--
9/23/13	0.07	12.7	0.017	0.01 U	190.0	0.010 U	0.01 U	0.017
3/13/14	0.03	46.4	0.019	0.01 U	188.0	0.005 U	0.01 U	0.018
9/8/14	0.03	18.1	0.013	0.01 U	194.0	0.005 U	0.01 U	0.045
3/18/15	0.03	88.0	0.017 U	0.01 U	330.0	0.002 U	0.01 U	0.016
9/1/15	0.01	55.0	0.017	0.00 U	280.0	0.001 U	0.01 U	0.060
3/16/16	0.02	58.3	0.011	0.01 U	--	0.005 U	0.01 U	0.020
8/30/16	0.02	55.8	0.010	0.00 U	237.0	0.001 U	0.00 U	0.045
3/6/17	0.02	78.2	0.012	0.01 U	323.0	0.005 U	0.01 U	0.010
9/12/17	0.02	41.5	0.008	0.01 U	232.0	0.005 U	0.01 U	0.101
3/28/18	0.01	102.0	0.014	0.00 U	361.0	0.001 U	0.01	0.010
9/11/18	0.03	41.9	0.016	0.00 U	216.0	0.001 U	0.01	0.012

**Gude Landfill**  
**Monitoring Location OB105 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
5/1/01	--	--	--	303.4410	0.004	--	--	--	--	--	--	--	--	--
9/17/02	--	--	--	391.0500	0.001 U	--	--	--	--	--	--	--	--	--
6/2/03	--	--	--	180.6250	0.008	--	--	--	--	--	--	--	--	0.034
10/8/03	--	--	--	--	0.008	--	--	--	--	--	--	--	--	0.021
3/23/04	--	--	--	--	0.009	--	--	--	--	--	--	--	--	0.014
9/20/04	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.095
4/5/05	--	--	--	--	0.008	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.032
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.018
9/25/06	--	--	--	--	0.003	--	--	--	--	--	--	--	--	0.019
4/17/07	--	--	--	--	0.005	--	--	--	--	--	--	--	--	0.012
10/3/07	--	--	--	--	0.010 U	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	810.0	12.40	173.0	328.0000	--	--	900.0	0.2000 U	--	--	--	--	--	--
7/30/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/15/10	600.0	5.02	207.0	334.0000	--	--	950.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/25/11	728.0	25.10	92.4	219.0000 J	--	--	576.0	0.9900	1	0.05 U	--	--	--	--
9/15/11	494.0	4.40	83.4	309.0000	--	--	866.0	0.2000 U	0 U	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB105 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
3/13/12	51.0	16.30	140.0	356.0000	--	--	960.0	0.2000 U	0 U	0.05 U	--	--	--	--
9/17/12	522.0	3.48	61.5	337.0000	--	--	908.0	0.2000 U	0 U	0.05 U	--	--	--	--
4/2/13	770.0	13.10	93.4	334.0000	--	0	924.0	0.2000 U	0 U	0.05 U	200	6.61	--	--
9/16/13	--	--	--	--	--	0	820.0	--	--	--	-60	6.62	--	--
9/19/13	--	--	--	--	--	2	920.0	--	--	--	69	6.18	--	--
9/23/13	50.0	4.61	56.2	318.0000	--	0	940.0	0.2000 U	0 U	0.05 U	176	6.34	--	--
3/13/14	774.0	19.30	102.0	307.0000	--	1	900.0	0.2000 U	--	--	150	6.69	--	--
9/8/14	645.0	6.80	75.3	336.0000	--	5	924.0	0.2000 U	0 U	0.05 U	228	6.83	--	--
3/18/15	1250.0	42.50	135.0	339.0000	--	0	424.0	0.2000 U	0 U	0.05 U	112	7.00	--	--
9/1/15	1100.0	29.10	121.0	320.0000	--	1	860.0	0.2690	0	0.05 U	77	6.68	--	--
3/16/16	1040.0	29.70	122.0	340.0000	--	0	890.0	0.2000 U	0 U	0.05 U	67	6.80	--	--
8/30/16	870.0	24.00	112.0	308.0000	--	2	660.0	0.2000 U	0 U	0.05 U	135	6.57	--	--
3/6/17	1420.0	43.30	148.0	346.0000	--	--	550.0	0.2000 U	0 U	0.05 U	93	6.96	--	--
9/12/17	877.0	18.90	90.8	305.0000	--	1	400.0	0.2000 U	0 U	0.05 U	163	6.54	--	--
3/28/18	1360.0	52.50	224.0	302.0000	--	--	410.0	0.2000 U	0 U	0.05 U	-97	7.14	--	--
9/11/18	820.0	17.10	87.4	313.0000	--	--	832.0	0.2000 U	0 U	0.05 U	-8	6.41	--	--
4/9/19	1270.0	43.80	131.0	224.0000	--	0	821.0 B	0.7000	--	--	-106	6.90	6.97	--
8/1/19	675.0	6.34	77.2	317.0000	--	0	846.0	1.0000	--	--	-12	6.05	6.53	--
3/9/20	1260.0	41.80	137.0	140.0000	--	1	1090.0	1.4300	--	--	-81	6.79	6.79	--
7/27/20	929.0	28.70	110.0	288.0000	--	0	879.0	0.2000 U	--	--	-17	6.46	6.55	--

**Gude Landfill**  
**Monitoring Location OB105 - General Parameters**

Printed 10/24/20

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
5/1/01	--	--	--	--	--	--	--	--	36.0	--
9/17/02	--	--	--	--	--	--	--	--	24.3	--
6/2/03	--	--	--	--	--	--	0	--	31.4	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/23/04	--	--	--	--	--	--	0 U	--	--	--
9/20/04	--	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	--	0	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	--	0	--	--	--
10/3/07	--	--	--	--	--	--	0	--	--	--
3/25/08	--	--	--	--	--	--	0	--	--	--
9/23/08	--	--	--	--	--	--	0	--	--	--
9/21/09	--	--	346.0	--	--	1736	--	--	1215.0	--
7/30/10	--	--	--	2.9 J	--	--	--	--	--	--
9/15/10	--	--	309.0	--	--	1876	--	--	3430.0	--
4/25/11	--	--	139.0 J	--	--	1320	--	--	240.0	--
9/15/11	--	--	314.0	--	--	1872	--	--	--	--

## Gude Landfill

Printed 10/24/20

### Monitoring Location OB105 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
3/13/12	--	--	312.0	--	--	1776	--	--	--	--
9/17/12	--	--	289.0	--	--	1628	--	--	--	--
4/2/13	3	--	240.0	--	13.8	1784	--	--	--	1721.0
9/16/13	2	--	--	--	17.7	--	--	--	120.0	6.5
9/19/13	2	--	--	--	13.5	--	--	--	1100.0	820.0
9/23/13	2224	--	299.0	--	17.1	1606	--	--	--	728.0
3/13/14	2477	--	267.0	--	13.2	1600	--	--	--	335.0
9/8/14	2473	--	287.0	--	15.7	1608	--	--	--	1070.0
3/18/15	2920	--	137.0	--	12.2	1792	--	--	--	258.3
9/1/15	2099	--	190.0	--	19.0	1747	--	--	--	39.8
3/16/16	2888	--	189.0	--	14.6	1770	--	--	--	314.5
8/30/16	2561	--	208.0	--	19.5	1620	--	--	--	143.0
3/6/17	3147	--	134.0	--	12.6	1960	--	--	--	44.4
9/12/17	2879	--	267.0	--	18.0	1660	--	--	--	13.5
3/28/18	3078	--	60.7	--	11.4	1770	--	--	--	60.8
9/11/18	2710	--	240.0	--	18.7	1600	--	--	--	8.9
4/9/19	3590	2950	150.0	--	13.3	1730	--	50.3	204.0	19.5
8/1/19	2	2420	267.0	--	16.6	1630	--	163.0	113.0	79.0
3/9/20	2923	3130	114.0	--	13.3	1830	--	55.4	266.0	8.9
7/27/20	2917	2860	191.0	--	22.8	1680	--	31.9	145.0	34.5

**Gude Landfill**  
**Monitoring Location OB105 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
5/1/01	0.0007 U	0.0027	0.1043	0.0005 U	--	0.0020 U	--	0.0035	0.0061	0.0319	--	0.0031
9/17/02	0.0020 U	0.0184	0.1957	0.0020 U	--	0.0020 U	--	0.0068	0.0095	0.0177	--	0.0039
6/2/03	0.0007 U	0.0020	0.0954	0.0004 U	--	0.0020 U	--	0.0042	0.0064	0.0190	--	0.0054
10/8/03	0.0009 U	0.0020 U	0.1666	0.0016 U	--	0.0007 U	--	0.0025	0.0051	0.0416	--	0.0020 U
3/23/04	0.0009 U	0.0050	0.2607	0.0016 U	--	0.0007 U	--	0.0028	0.0173	0.0100 U	--	0.0024
9/20/04	0.0028 U	0.0020 U	0.1224	0.0012 U	--	0.0020 U	--	0.0026	0.0045	0.0130	--	0.0020
4/5/05	0.0028 U	0.0070	0.5120	0.0012 U	--	0.0020	--	0.0051	0.0146	0.0156	--	0.0020 U
9/21/05	0.0028 U	0.0023	0.2067	0.0012 U	--	0.0020	--	0.0027	0.0070	0.0654	--	0.0033
4/4/06	0.0006 U	0.0058	0.2254	0.0007 U	--	0.0079	--	0.0028	0.0077	0.0148	--	0.0033
9/25/06	0.0007 U	0.0027	0.2080	0.0009 U	--	0.0125	--	0.0024	0.0054	0.0103	--	0.0020 U
4/17/07	0.0007 U	0.0041	0.2161	0.0009 U	2.469	--	--	0.0020 U	0.0073	0.0094	--	0.0020 U
10/3/07	0.0020 U	0.0057	0.1660	0.0009 U	1.541	--	--	0.0057	0.0116	0.0217	--	0.0033
3/25/08	0.0005 U	0.0064	0.2560	0.0010 U	1.151	--	--	0.0044	0.0120	0.0184	--	0.0021
9/23/08	0.0010 U	0.0044	0.1682	0.0020 U	4.000 U	--	--	0.0040 U	0.0077	0.0120	--	0.0040 U
3/9/09	0.0010 U	0.0100 U	0.4660	0.0012 U	4.152	--	--	0.0100 U	0.0108	0.0134	--	0.0007 U
9/21/09	0.0020 U	0.0120	0.3040	0.0026	--	0.0047	156.0	0.0717	0.1010	0.1120	85.3	0.0268
7/30/10	0.0010 U	0.0052	0.2000	0.0014	--	0.0010 U	--	0.0720	0.0460	0.0430	--	0.0088
9/15/10	0.0050 U	0.0109	0.2580	0.0050 U	--	0.0050 U	165.0	0.0808	0.1960	0.1730	110.0	0.0332
4/25/11	0.0050 U	0.0050 U	0.2180	0.0050 U	--	0.0050 U	92.2	0.0106	0.0202	0.0277	17.1 J	0.0050 U
9/15/11	0.0050 U	0.0050 U	0.1570	0.0050 U	--	0.0050 U	170.0	0.0184	0.0345	0.0237	20.0	0.0150
3/13/12	0.0050 U	0.0147	0.6010	0.0112	--	0.0109	160.0	0.1660	0.2000	0.2930	253.0	0.0726
9/17/12	0.0050 U	0.0090	0.1380	0.0050 U	--	0.0050 U	167.0	0.0236	0.0316	0.0417	26.7	0.0155
4/2/13	0.0050 U	0.0094	0.2330	0.0050 U	--	0.0050 U	168.0	0.0434	0.0540	0.0906	50.7	0.0164

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB105 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/16/13	0.0050 U	0.0018	0.2600	0.0010 U	--	0.0010 U	130.0	0.0016	0.0064	0.0013	11.0	0.0010 U
9/19/13	0.0050 U	0.0078	0.1900	0.0033	--	0.0015	170.0	0.0370	0.0480	0.0580	41.0	0.0420
9/23/13	0.0050 U	0.0058	0.1440	0.0050 U	--	0.0050 U	169.0	0.0235	0.0306	0.0415	24.7	0.0104
3/13/14	0.0050 U	0.0050 U	0.2770	0.0050 U	--	0.0050 U	147.0	0.0213	0.0214	0.0321	27.2	0.0075
9/8/14	0.0050 U	0.0050 U	0.3370	0.0050 U	--	0.0050 U	166.0	0.0574	0.0436	0.0958	75.4	0.0280
3/18/15	0.0020 U	0.0070	0.3900	0.0020 U	--	0.0040 U	140.0	0.0087 U	0.0190	0.0210	27.0	0.0037
9/1/15	0.0010 U	0.0061	0.2800	0.0010 U	--	0.0005 U	150.0	0.0050 U	0.0110	0.0050 U	14.0	0.0010 U
3/16/16	0.0050 U	0.0050 U	0.3810	0.0050 U	--	0.0050 U	--	0.0050 U	0.0129	0.0150	--	0.0050 U
8/30/16	0.0020 U	0.0035	0.2450	0.0020 U	--	0.0020 U	136.0	0.0065	0.0105	0.0159	13.1	0.0035
3/6/17	0.0050 U	0.0050 U	0.4520	0.0050 U	--	0.0050 U	143.0	0.0050 U	0.0088	0.0102	19.6	0.0050 U
9/12/17	0.0050 U	0.0050 U	0.2260	0.0050 U	--	0.0050 U	154.0	0.0050 U	0.0079	0.0074	9.6	0.0050 U
3/28/18	0.0050 U	0.0075	0.5820	0.0050 U	--	0.0050 U	110.0	0.0050 U	0.0070	0.0093	19.6	0.0050 U
9/11/18	0.0050 U	0.0055	0.2300	0.0050 U	--	0.0050 U	142.0	0.0050 U	0.0073	0.0050 U	6.7	0.0050 U
4/9/19	0.0010 U	0.0027	0.5660	0.0010 U	--	0.0010 U	115.0	0.0021	0.0066	0.0020	21.4	0.0010 U
8/1/19	0.0010 U	0.0031	0.1340	0.0010 U	--	0.0010 U	139.0	0.0096	0.0126	0.0141	14.4	0.0034
3/9/20	0.0010 U	0.0026	0.5700	0.0010 U	--	0.0010 U	139.0	0.0041	0.0076	0.0012	22.5	0.0010 U
7/27/20	0.0010 U	0.0031	0.3640	0.0010 U	--	0.0010 U	128.0	0.0024	0.0062	0.0154	13.7	0.0010 U

**Gude Landfill**  
**Monitoring Location OB105 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
5/1/01	--	1.268	0.0001 U	0.0096	--	0.0060	0.0052 U	--	0.0009 U	0.2000 U	0.0034	--
9/17/02	--	2.301	0.0001 U	0.0185	--	0.0462	0.0262	--	0.0010	0.0008 U	0.0003 U	--
6/2/03	--	0.878	0.0002 U	0.0140	--	0.0026	0.0096 U	--	0.0010 U	0.0008 U	0.0071	--
10/8/03	--	1.850	0.0002 U	0.0092	--	0.0051	0.0022 U	--	0.0004 U	0.0003 U	0.0034	--
3/23/04	--	2.046	0.0002 U	0.0137	--	0.0049	0.0022 U	--	0.0004 U	0.0003 U	0.0038	--
9/20/04	--	1.112	0.0001 U	0.0088	--	0.0036	0.0018 U	--	0.0006 U	0.0003 U	0.0032	--
4/5/05	--	2.101	0.0001 U	0.0145	--	0.0070	0.0018 U	--	0.0006 U	0.0050 U	0.0060	--
9/21/05	--	2.237	0.0001 U	0.0141	--	0.0044	0.0018 U	--	0.0006 U	0.0050 U	0.0037	--
4/4/06	--	0.002 U	0.0001 U	0.0111	--	0.0135	0.0004 U	--	0.0004 U	0.0050 U	0.0023	--
9/25/06	--	1.481	--	0.0103	--	0.0040	0.0005 U	--	0.0007 U	0.0050 U	0.0020 U	--
4/17/07	--	--	0.0002 U	0.0091	--	0.0087	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0175
10/3/07	--	--	0.0004	0.0200	--	0.0120	0.0005 U	--	0.0007 U	0.0020 U	0.0077	0.0799
3/25/08	--	--	0.0002 U	0.0142	--	0.0119	0.0008 U	--	0.0006 U	0.0500 U	0.0042	0.1131
9/23/08	--	--	0.0002 U	0.0143	--	0.0100	0.0016 U	--	0.0012 U	0.0020 U	0.0040 U	0.0352
3/9/09	--	--	0.0002 U	0.0116	--	0.0130	0.0043 U	--	0.0008 U	0.0011 U	0.0100 U	0.0501
9/21/09	129.000	3.580	0.0038	0.1740	35.70	0.0193	0.0020 U	286.0	0.0020 U	--	0.0789	0.5560
7/30/10	--	--	0.0013	0.1100	--	0.0007 U	0.0010 U	--	0.0010 U	0.0030 U	0.0340	0.1700
9/15/10	132.000	3.760	0.0031	0.2280	19.30	0.0214	0.0050 U	174.0	0.0050 U	--	0.1360	0.7650
4/25/11	96.500	1.680	0.0003	0.0258	61.30	0.0102	0.0050 U	202.0	0.0050 U	--	0.0194	0.1530
9/15/11	132.000	2.660	0.0010	--	15.00	0.0098	0.0050 U	183.6	0.0050 U	--	0.0331	0.1500
3/13/12	168.000	6.030	0.0065	0.0260	58.60	0.0198	0.0050 U	226.0	0.0050 U	--	0.3630	0.9750
9/17/12	116.000	3.070	0.0017	0.0364	12.90	0.0225	0.0050 U	167.0	0.0050 U	--	0.0492	0.2520
4/2/13	139.000	4.650	0.0008	0.0364	33.30	0.0276	0.0050 U	279.0	0.0050 U	--	0.0811	0.2630

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location OB105 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/16/13	120.000	2.100	0.0002 U	--	70.00	0.0010 U	0.0010 U	280.0	0.0010 U	--	0.0050 U	2.0000 U
9/19/13	120.000	3.100	0.0014	--	12.00	0.0007 J	0.0010 U	150.0	0.0010 U	--	0.0920	0.4900
9/23/13	127.000	3.530	0.0010	0.0306	15.40	0.0157	0.0050 U	184.0	0.0050 U	--	0.0362	0.1570
3/13/14	128.000	1.910	0.0006	0.0508	51.50	0.0169	0.0050 U	224.0	0.0050 U	--	0.0307	0.1800
9/8/14	137.000	5.170	0.0044	0.0915	23.40	0.0144	0.0050 U	207.9	0.0050 U	--	0.0896	0.3910
3/18/15	150.000	3.100	0.0003	0.0037 J	89.00	0.0130 J	0.0100 U	320.0	0.0020 U	--	0.0160	0.0760
9/1/15	130.000	4.700	0.0002 U	0.0100 J	65.00	0.0160	0.0010 U	300.0	0.0010 U	--	0.0050 U	0.0850
3/16/16	--	3.540	0.0002 U	0.0211	69.30	0.0111	0.0050 U	--	0.0050 U	--	0.0050 U	0.0379
8/30/16	115.000	2.760	0.0002 U	0.0252	51.40	0.0096	0.0020 U	233.0	0.0010 U	--	0.0098	0.0599
3/6/17	144.000	2.740	0.0002 U	0.0157	86.30	0.0115	0.0050 U	346.0	0.0050 U	--	0.0050 U	0.0220
9/12/17	126.000	3.460	0.0002 U	0.0222	44.60	0.0079	0.0050 U	245.0	0.0050 U	--	0.0050 U	0.0409
3/28/18	135.000	1.410	0.0002 U	0.0129	112.00	0.0050 U	0.0050 U	337.0	0.0050 U	--	0.0050 U	0.0519
9/11/18	116.000	3.440	0.0002 U	0.0216	43.50	0.0158	0.0050 U	220.0	0.0050 U	--	0.0050 U	0.0191
4/9/19	138.000	1.900	0.0001 U	0.0108	85.70	0.0010 U	0.0010 U	253.0	0.0010 U	--	0.0013	0.0261 B
8/1/19	121.000	5.520	0.0003	0.0381	15.80	0.0014	0.0010 U	194.0	0.0010 U	--	0.0115	0.0878 B
3/9/20	180.000	2.510	0.0001 U	0.0150	89.90	0.0010 U	0.0010 U	360.0	0.0010 U	--	0.0020	0.0167
7/27/20	136.000	2.290	0.0001 U	0.0181	65.50	0.0010 U	0.0010 U	253.0	0.0010 U	--	0.0013	0.0423

Gude Landfill

Printed 10/24/20

Monitoring Location OB105 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
5/1/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	1.00 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/17/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/2/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	1.0 U	0.17 U	0.21 U
3/23/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	0.23 J
7/30/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.55 J
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location OB105 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
5/1/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	1.00 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/17/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/2/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	1.35	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/23/04	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.30	0.29 U	--	0.39 U	--	--	--	1.00 U	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	1.46	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	3.38	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.27	--	1 U	--	1.00 U	1.00 U	1.00 U
7/30/10	--	1.00 U	3.00	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	3.32	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	31.10	--	2 U	--	0.90 U	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/15/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/13/12	--	--	3.90	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/17/12	1.00 U	1.00 U	4.51	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/2/13	1.00 U	1.00 U	7.03	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	3.66	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	4.22	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.78	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	2.37	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	3.05	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.88	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	2.87	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	3.52	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	2.61	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/9/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	9.40 B	--	5 U	1 U	1.00 U	--	1.00 U
8/1/19	--	1.00 U	3.70	1.00 U	5.00 U	--	5.00 U	--	5 U	6.90	--	5 U	1 U	1.00 U	--	1.00 U
3/9/20	--	1.00 U	1.20	1.00 U	5.00 U	--	5.00 U	--	5 U	5.10	--	5 U	1 U	1.00 U	--	1.00 U
7/27/20	--	1.00 U	2.70	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
5/1/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/17/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
6/2/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/23/04	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	1.00 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	3.19	0.29 U	0.27 U	0.20 U	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	3.71	0.29 U	0.27 U	0.20 U	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	8.03	0.29 U	0.27 U	0.20 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.50 U	--	0.25 U	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.50 U	--	0.14 U	0.50 U	0.1 U	0.12 U	0.20 U	--	7.14	0.12 U	0.13 U	0.15 U	--	0.12 U
3/9/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.50 U	0.1 U	0.12 U	0.20 U	--	0.14 U	0.12 U	0.13 U	0.15 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	0.60 J	1.0 U	1.00 U	1.00 U	--	11.10	1.00 U	1.00 U	1.00 U	--	1.00 U
7/30/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	13.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	0.55 J	0.9 J	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/15/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U



**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/13/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	14.00	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	15.00	1.00 U	1.00 U	1.00 U	--	1.00 U
4/2/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.24	1.0 U	1.00 U	1.00 U	--	24.60	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.40	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	11.60	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.17	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	5.54	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	7.11	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	6.64	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	3.99	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	6.77	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	5.77	1.00 U	1.00 U	1.00 U	--	1.00 U
4/9/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.90	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	7.60	1.00 U	1.00 U	--	5 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	2.00	1.00 U	1.00 U	--	5 U	1.00 U
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	5.30	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
5/1/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/17/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/2/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/8/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/23/04	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	1.00 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/4/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/3/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/9/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/30/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	0.77 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/25/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/15/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location OB105 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/13/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/2/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/9/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/9/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/27/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location OB105 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
5/1/01	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	--	--
9/17/02	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
6/2/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
10/8/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	0.51	--
3/23/04	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	0.04	--
9/20/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	1.01	--
4/5/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	1.31	--
4/4/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/25/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/17/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/3/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	2.04	--
3/25/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.69	0.10 U	--	0.18 U	--
3/9/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
9/21/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.25	1.00 U	--	1.51	--
7/30/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00	1.00 U	1 U	1.00 U	--
9/15/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	1.38 U	2.00 U	2 U	3.03	--
4/25/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/15/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.10	1.00 U	1 U	1.00 U	1 U

**Gude Landfill  
Monitoring Location OB105 - Volatile Organic Compounds**

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/13/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.40	1.00 U	1 U	1.00 U	1 U
9/17/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/2/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	2.96	1.00 U	5 U	1.66	--
9/23/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/13/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.47	1.00 U	5 U	1.00 U	--
9/8/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.46	1.00 U	5 U	1.00 U	--
3/18/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/16/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/28/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/9/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/1/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/9/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/27/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location ST015 - Dissolved Metals**

Printed 10/24/20

Nickel, dissolved (mg/L)

MCL/  
GWPS

9/6/11	0.01	U
3/5/12	0.01	
9/12/12	0.01	U
3/18/13	0.01	
9/16/13	0.01	U

**Gude Landfill**  
**Monitoring Location ST015 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
5/2/01	--	--	--	82.1356	0.002	--	--	--	--	--	--	--	--	--
3/31/04	--	--	--	--	0.473	--	--	--	--	--	--	--	--	0.010 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.017
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.011
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.016
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.017
9/26/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.018
4/18/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.018
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--
3/27/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	80.0	0.20 U	7.5 J	58.2000	--	--	160.0	1.4650	--	--	--	--	--	--
8/3/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/23/10	79.0	0.20 U	6.7 J	67.7000	--	--	160.0	1.3876	1	0.01 J	--	--	--	--
4/18/11	98.0	0.20 U	24.8	38.1000	--	--	95.0	0.4010	0	0.05 U	--	--	--	--
9/6/11	31.0	0.20 U	14.1	5.3200	--	--	29.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/5/12	99.0	0.20 U	22.8	157.0000	--	--	122.0	0.7990	1	0.05 U	--	--	--	--
9/12/12	38.0	0.20 U	14.5	13.1000	--	--	48.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/18/13	68.0	0.20 U	10.0 U	75.3000	--	12	124.0	1.6600	2	0.05 U	--	6.46	--	--
9/16/13	29.0	0.20 U	10.0 U	10.2000	--	8	36.0	0.2000 U	0 U	0.05 U	284	6.83	--	--

**Gude Landfill**  
**Monitoring Location ST015 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
3/11/14	180.0	0.90	36.2	1090.0000	--	10	252.0	1.6949	--	--	401	6.64	--	--
9/10/14	52.0	0.20 U	10.0 U	30.7000	--	5	74.0	0.2000 U	0 U	0.05 U	--	6.61	--	--
3/23/15	154.0	0.23	35.5	806.0000	--	15	246.0	1.1400	1	0.05 U	369	8.01	--	--
3/23/16	136.0	0.20 U	17.6	397.0000	--	10	244.0	0.5244	1	0.06	--	6.83	--	--
8/30/16	100.0	0.48	12.7	80.9000	--	3	140.0	0.2000 U	0 U	0.05 U	135	6.71	--	--
3/8/17	59.0	0.20 U	14.3	240.0000	--	10	124.0	1.0700	1	0.05 U	194	6.99	--	--
9/18/17	83.0	0.20 U	11.4	62.4000	--	5	108.0	0.2000 U	0 U	0.05 U	231	6.93	--	--
4/3/18	104.0	0.20 U	26.4	1040.0000	--	8	197.0	0.2200	0	0.05 U	138	6.68	--	--
9/11/18	76.1	0.20 U	10.0 U	9.1100	--	7	81.0	1.2000	1	0.05 U	201	6.96	--	--
4/8/19	78.7	0.10 U	17.3	142.0000	--	10	159.0 B	1.4000	--	--	145	7.25	7.30	--
8/1/19	74.5	0.10 U	3.0 U	108.0000	--	8	160.0	1.7000	--	--	111	8.36	7.41	--
3/10/20	65.6	0.10 J	4.3	90.9000	--	11	150.0	1.8100	--	--	146	8.67	7.61	--
8/3/20	74.6	0.10 U	16.6	94.3000	--	7	158.0	1.3300	--	--	27	7.33	7.14	--



## Gude Landfill

Printed 10/24/20

### Monitoring Location ST015 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
5/2/01	--	--	--	--	--	--	--	--	2.0	--
3/31/04	--	--	--	--	--	--	0 U	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	--	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	--	0 U	--	--	--
3/27/08	--	--	--	--	--	--	0	--	--	--
9/22/09	--	--	20.7	--	--	280	--	--	3.0	--
8/3/10	--	--	--	3.0 U	--	--	--	--	--	--
9/23/10	--	--	25.5	--	--	404	--	--	6.1	--
4/18/11	--	--	7.2	--	--	204	--	--	25.6	--
9/6/11	--	--	4.4	--	--	1276	--	--	--	--
3/5/12	--	--	8.5	--	--	392	--	--	--	--
9/12/12	--	--	4.0 U	--	--	100	--	--	--	--
3/18/13	526	--	12.6	--	5.8	222	--	--	--	--
9/16/13	93	--	4.0 U	--	19.0	6	--	--	--	6.2

Gude Landfill

Monitoring Location ST015 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
3/11/14	3441	--	25.3	--	9.4	2028	--	--	--	16.4
9/10/14	200	--	4.6	--	20.9	134	--	--	--	--
3/23/15	2406	--	20.9	--	8.5	1468	--	--	--	15.9
3/23/16	1331	--	19.6	--	13.0	823	--	--	--	3.9
8/30/16	367	--	4.0 U	--	23.8	197	--	--	--	3.8
3/8/17	792	--	9.2	--	11.9	482	--	--	--	7.0
9/18/17	290	--	4.9	--	20.6	199	--	--	--	0.0
4/3/18	2984	--	16.4	--	10.6	1850	--	--	--	5.1
9/11/18	201	--	50.3	--	20.0	174	--	--	--	7.8
4/8/19	752	627	15.7	--	19.9	380	--	4.8	4.7	130.0
8/1/19	1	523	18.5	--	24.2	338	--	2.5 U	1.2	0.0
3/10/20	410	472	13.5	--	10.7	275	--	2.7 U	4.3	0.5
8/3/20	480	504	13.2	--	22.2	310	--	4.7	2.5 O-	9.1

**Gude Landfill**  
**Monitoring Location ST015 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
5/2/01	0.0007 U	0.0020 U	0.0278	0.0005 U	--	0.0006 U	--	0.0020 U	0.0007 U	0.0169	--	0.0013 U	--
3/31/04	0.0009 U	0.0008 U	0.0449	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0149	--	0.0020 U	--
9/21/04	0.0028 U	0.0006 U	0.0470	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0104	--	0.0020 U	--
4/6/05	0.0028 U	0.0006 U	0.0451	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0159	--	0.0020 U	--
9/21/05	0.0028 U	0.0006 U	0.0511	0.0012 U	--	0.0020 U	--	0.0007 U	0.0005 U	0.0100	--	0.0020 U	--
4/5/06	0.0006 U	0.0006 U	0.0468	0.0007 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0074	--	0.0020 U	--
9/26/06	0.0007 U	0.0008 U	0.0502	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0055	--	0.0007 U	--
4/18/07	0.0007 U	0.0008 U	0.0481	0.0009 U	0.084	--	--	0.0007 U	0.0020 U	0.0059	--	0.0007 U	--
10/4/07	0.0020 U	0.0008 U	0.0545	0.0009 U	0.083	--	--	0.0020 U	0.0020 U	0.0076	--	0.0020 U	--
3/27/08	0.0005 U	0.0006 U	0.0454	0.0010 U	0.077	--	--	0.0020 U	0.0020 U	0.0050	--	0.0020 U	--
3/5/09	0.0020 U	0.0020 U	0.0786	0.0010 U	0.072	--	--	0.0041	0.0027	0.0139	--	0.0032	--
9/22/09	0.0020 U	0.0020 U	0.0588	0.0020 U	--	0.0020 U	33.4	0.0020 U	0.0005 J	0.0058	0.4	0.0020 U	13.700
8/3/10	0.0010 U	0.0008 J	0.0600	0.0010 U	--	0.0010 U	--	0.0007 J	0.0008 J	0.0023	--	0.0010 U	--
9/23/10	0.0050 U	0.0050 U	0.0681	0.0050 U	--	0.0050 U	32.5	0.0050 U	0.0050 U	0.0077	0.7	0.0050 U	15.000
4/18/11	0.0050 U	0.0050 U	0.0290	0.0050 U	--	0.0050 U	27.4 J	0.0050 U	0.0050 U	0.0062	0.9	0.0050 U	8.500
9/6/11	0.0050 U	0.0050 U	0.0197	0.0050 U	--	0.0050 U	10.3	0.0050 U	0.0050 U	0.0050 U	0.5 U	0.0050 U	2.230
3/5/12	0.0050 U	0.0050 U	0.0367	0.0050 U	--	0.0050 U	31.2	0.0050 U	0.0050 U	0.0081	0.8	0.0050 U	12.000
9/12/12	0.0050 U	0.0050 U	0.0197	0.0050 U	--	0.0050 U	14.4	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	3.730
3/18/13	0.0050 U	0.0050 U	0.0630	0.0050 U	--	0.0050 U	31.1	0.0050 U	0.0050 U	0.0058	0.5	0.0050 U	16.000
9/16/13	0.0050 U	0.0050 U	0.0165	0.0050 U	--	0.0050 U	11.4	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U	3.010
3/11/14	0.0050 U	0.0050 U	0.0888	0.0050 U	--	0.0050 U	61.7	0.0050 U	0.0050 U	0.0089	0.2 U	0.0050 U	20.300
9/10/14	0.0050 U	0.0050 U	0.0288	0.0050 U	--	0.0050 U	20.1	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U	5.930
3/23/15	0.0020 U	0.0020 U	0.0630	0.0020 U	--	0.0040 U	70.0	0.0100 U	0.0100 U	0.0062 J	0.4	0.0020 U	19.000

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location ST015 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/23/16	0.0050 U	0.0050 U	0.0948	0.0050 U	--	0.0050 U	60.3	0.0050 U	0.0050 U	0.0056	0.8	0.0050 U	26.200
8/30/16	0.0050 U	0.0050 U	0.0409	0.0050 U	--	0.0050 U	29.5	0.0050 U	0.0050 U	0.0050 U	2.2	0.0050 U	11.300
3/8/17	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	28.9	0.0050 U	0.0050 U	0.0270	0.7	0.0050 U	7.790
9/18/17	0.0050 U	0.0050 U	0.0422	0.0050 U	--	0.0050 U	26.8	0.0050 U	0.0050 U	0.0050 U	1.5	0.0050 U	10.300
4/3/18	0.0050 U	0.0050 U	0.0981	0.0050 U	--	0.0050 U	54.9	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U	14.500
9/11/18	0.0050 U	0.0050 U	0.0535	0.0050 U	--	0.0050 U	10.3	0.0050 U	0.0050 U	0.0070	3.5	0.0050 U	13.400
4/8/19	0.0010 U	0.0010 U	0.0692	0.0010 U	--	0.0010 U	30.0	0.0010 U	0.0013	0.0022	0.4	0.0010 U	20.400
8/1/19	0.0010 U	0.0010 U	0.0717	0.0010 U	--	0.0010 U	33.1	0.0010 U	0.0010 U	0.0010 U	0.2	0.0010 U	18.800
3/10/20	0.0010 U	0.0010 U	0.0847	0.0010 U	--	0.0010 U	28.6	0.0010 U	0.0011	0.0010 U	0.4	0.0010 U	19.100
8/3/20	0.0010 U	0.0010 U	0.0768	0.0010 U	--	0.0010 U	32.4	0.0010 U	0.0010 U	0.0010	0.3	0.0010 U	18.800

**Gude Landfill**  
**Monitoring Location ST015 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
5/2/01	0.107	0.0001 U	0.0050	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/31/04	0.285	0.0002 U	0.0091	--	0.0007 U	0.0022 U	--	0.0004 U	0.0020 U	0.0020 U	--
9/21/04	0.145	0.0001 U	0.0060	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	0.139	0.0001 U	0.0090	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	0.119	0.0001 U	0.0047	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	0.183	0.0001 U	0.0091	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/26/06	0.126	0.0002 U	0.0043	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	0.0002 U	0.0087	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0007 U	0.0246
10/4/07	--	0.0002 U	0.0069	--	0.0008 U	0.0005 U	--	0.0007 U	0.0024	0.0020 U	0.0187
3/27/08	--	0.0002 U	0.0097	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0296
3/5/09	--	0.0002 U	0.0172	--	0.0009 U	0.0008 U	--	0.0006 U	0.0011 U	0.0027	0.0536
9/22/09	0.101	0.0002 U	0.0083	2.59	0.0020 U	0.0020 U	24.5	0.0020 U	--	0.0003 J	0.0202
8/3/10	--	0.0002 U	0.0065	--	0.0010 U	0.0010 U	--	0.0005 J	0.0050 U	0.0050 U	0.0230
9/23/10	0.190	0.0002 U	0.0078	2.58	0.0050 U	0.0050 U	24.8	0.0050 U	--	0.0050 U	0.0174
4/18/11	0.109	0.0002 U	0.0052	3.48	0.0050 U	0.0050 U	28.0 J	0.0050 U	--	0.0050 U	0.0131
9/6/11	0.043	0.0002 U	--	2.15	0.0050 U	0.0050 U	4.3	0.0050 U	--	0.0050 U	0.0103
3/5/12	0.245	0.0002 U	--	4.16	0.0050 U	0.0050 U	108.0	0.0050 U	--	0.0050 U	0.0155
9/12/12	0.077	0.0002 U	--	1.48	0.0050 U	0.0050 U	7.4	0.0050 U	--	0.0050 U	0.0065
3/18/13	0.155	0.0002 U	--	2.11	0.0050 U	0.0050 U	29.1	0.0050 U	--	0.0050 U	0.0207
9/16/13	0.038	0.0002 U	--	1.14	0.0050 U	0.0050 U	7.2	0.0050 U	--	0.0050 U	0.0050
3/11/14	0.329	0.0002 U	0.0119	6.83	0.0050 U	0.0050 U	607.0	0.0050 U	--	0.0050 U	0.0167
9/10/14	0.201	0.0002 U	0.0050 U	1.63	0.0050 U	0.0050 U	12.3	0.0050 U	--	0.0050 U	0.0058
3/23/15	0.250	0.0002 U	0.0130	7.70	0.0350 U	0.0100 U	450.0	0.0020 U	--	0.0100 U	0.0190

**Gude Landfill**  
**Monitoring Location ST015 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/23/16	0.482	0.0002 U	0.0129	4.78	0.0050 U	0.0050 U	233.0	0.0050 U	--	0.0050 U	0.0104
8/30/16	0.738	0.0002 U	0.0050 U	1.78	0.0050 U	0.0050 U	25.5	0.0050 U	--	0.0050 U	0.0056
3/8/17	0.117	0.0002 U	0.0064	2.63	0.0050 U	0.0050 U	143.0	0.0050 U	--	0.0050 U	0.0058
9/18/17	0.452	0.0002 U	0.0057	1.71	0.0050 U	0.0050 U	18.8	0.0050 U	--	0.0050 U	0.0289
4/3/18	0.307	0.0002 U	0.0091	4.56	0.0050 U	0.0050 U	566.0	0.0050 U	--	0.0050 U	0.0203
9/11/18	0.064	0.0002 U	0.0050 U	1.67	0.0050 U	0.0050 U	35.3	0.0050 U	--	0.0050 U	0.0205
4/8/19	0.254	0.0001 U	0.0075	2.34	0.0010 U	0.0010 U	55.7	0.0010 U	--	0.0010 U	0.0107
8/1/19	0.112	0.0001 U	0.0043	2.17	0.0010 U	0.0010 U	32.8	0.0010 U	--	0.0010 U	0.0044 B
3/10/20	0.155	0.0001 U	0.0088	1.93	0.0010 U	0.0010 U	31.2	0.0010 U	--	0.0010 U	0.0179
8/3/20	0.186	0.0001 U	0.0055	2.20	0.0010 U	0.0010 U	30.3	0.0010 U	--	0.0012	0.0082

Gude Landfill

Printed 10/24/20

Monitoring Location ST015 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
5/2/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
3/31/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	1.00 U	0.22 U	0.18 U	0.21 U	1.00 U	1.00 U	0.20 U	1.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	1.00 U	0.28 U	0.4 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	1.00 U	0.24 U	2.82	1.80	0.27 U	0.37 U	0.35 U	3.96	3.69	1.00 U	5.52	2.56	10.0 U	1.00 U	1.00 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/27/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.50 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.01	1.00 U	0.22 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	3.65	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U



**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
5/2/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/31/04	0.21 U	0.19 U	1.00 U	0.11 U	3.27	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.33	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	1.00 U	2.01	10.00 U	0.23 U	2.58	1.00 U	3.49	0.29 U	--	3.90	--	--	--	0.28 U	1.17	1.00 U
9/26/06	0.35 U	0.33 U	10.00 U	1.00 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/4/07	1.00 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	1.11	0.31 U	0.34 U
3/27/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	0.46 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.94 J	--	1 U	--	1.00 U	1.00 U	1.00 U
8/3/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	0.56 J	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/18/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/6/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/5/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/11/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/10/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.20	--	5 U	1 U	1.00 U	--	1.00 U
8/1/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/10/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
5/2/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/31/04	0.18 U	0.14 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	1.00 U	1.09	1.00 U	0.75 U	0.25 U	1.00 U	0.3 U	0.27 U	0.25 U	--	0.28 U	1.00 U	1.04	1.00 U	--	1.00 U
9/26/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	1.15
3/27/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	0.76	0.13 U	0.15 U	0.19 U	--	0.26 U
3/5/09	0.11 U	0.16 U	0.50 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.00	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	0.22 J	2.50 U	1.00 U	1.00 U	0.1 J	1.00 U	1.00 U	--	0.53 J	1.00 U	1.00 U	1.00 U	--	1.00 U
8/3/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/6/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/16/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/11/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/10/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
5/2/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/31/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	1.00 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	1.00 U	2.00 U	0.28 U	--	--	2.33	1.00 U	1.28	1.00 U	1.00 U	1.00 U	1.07	1.00 U	1.00 U
9/26/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	0.13 U	3.64	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	1.45	0.36 U	0.41 U	0.25 U	0.18 U
3/27/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	0.22 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/3/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/18/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/6/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/5/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/16/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location ST015 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/11/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/10/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/10/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location ST015 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
5/2/01	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
3/31/04	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.08	0.18 U	--	0.05	--
9/21/04	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.05	0.36 U	--	0.32 U	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	1.00 U	1.00 U	0.36 U	--	0.32 U	--
9/21/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/5/06	0.36 U	0.32 U	--	0.45 U	1.06	1.83	1.00 U	0.36 U	--	0.32 U	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.40	0.36 U	--	0.32 U	--
10/4/07	0.36 U	5.94	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
3/27/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	1.10	0.07 U	--	0.22 U	--
3/5/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	2.20	0.50 U	--	0.18 U	--
9/22/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	0.62 J	1.00 U	--	1.00 U	--
8/3/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/18/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/6/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/5/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.50	1.00 U	5 U	1.00 U	--
9/16/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--

Gude Landfill

Monitoring Location ST015 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/11/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/10/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/8/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/18/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/3/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/1/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/10/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.10	1.00 U	1 U	1.00 U	--
8/3/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--



**Gude Landfill**  
**Monitoring Location ST065 - Dissolved Metals**

Printed 10/24/20

Nickel, dissolved (mg/L)

MCL/  
GWPS

9/12/11	0.01
3/5/12	0.01
9/11/12	0.01 U
3/27/13	0.01
9/11/13	0.01 U

**Gude Landfill**  
**Monitoring Location ST065 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/3/01	--	--	--	90.7963	0.005 U	--	--	1.2261	--	--	--	--	--	--
9/5/01	--	--	--	42.5057	0.002	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	249.4420	0.004	--	--	--	--	--	--	--	--	--
9/16/02	--	--	--	45.8664	0.001 U	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	69.5377	0.005 U	--	--	--	--	--	--	--	--	0.010
10/8/03	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.010 U
3/24/04	--	--	--	--	0.006	--	--	--	--	--	--	--	--	0.001 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.003 U
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012
9/26/06	--	--	--	--	0.630	--	--	--	--	--	--	--	--	0.011
4/18/07	--	--	--	--	0.119	--	--	--	--	--	--	--	--	0.011
10/2/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.026
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	70.0	0.20 U	34.8	51.7000	--	--	100.0	0.2000 U	--	--	--	--	--	--
8/3/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/20/10	88.0	0.20 U	7.7 J	98.4000	--	--	170.0	1.1170	1	0.05 U	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location ST065 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
4/18/11	243.0	0.20 U	35.1	99.6000	--	--	180.0	0.3920	0	0.05 U	--	--	--	--
9/12/11	203.0	0.20 U	39.2	154.0000	--	--	174.0	0.2000 U	0 U	0.05 U	--	--	--	--
3/5/12	237.0	0.20 U	32.6	136.0000	--	--	178.0	0.6210	1	0.05 U	--	--	--	--
9/11/12	98.0	0.20 U	10.5	91.5000	--	--	150.0	0.6540	1	0.05 U	--	--	--	--
3/27/13	253.0	0.20 U	60.7	171.0000	--	10	196.0	0.2000 U	0 U	0.05 U	--	6.42	--	--
9/11/13	112.0	0.20 U	10.0 U	68.4000	--	8	170.0	1.1600	1	0.05 U	337	7.48	--	--
3/24/14	74.0	0.20 U	18.6	586.0000	--	15	174.0	1.3700	--	--	505	7.88	--	--
9/2/14	174.0	0.20 U	110.0	89.2000	--	7	158.0	1.0775	1	0.06	--	8.07	--	--
3/17/15	65.0	0.20 U	10.0	273.0000	--	12	120.0	1.1500	1	0.05 U	356	7.53	--	--
3/17/16	68.0	0.20 U	10.0 U	192.0000	--	12	156.0	1.3000	1	0.05 U	--	7.69	--	--
9/4/18	272.0	0.20 U	41.3	96.3000	--	4	201.0	0.2000 U	0 U	0.05 U	111	7.36	--	--
4/8/19	89.1	0.15	18.9	171.0000	--	10	173.0 B	2.0000	--	--	136	7.72	7.77	--
7/30/19	78.5	0.10 U	21.5	98.1000	--	8	142.0 B	1.6000	--	--	200	7.76	7.66	--
3/2/20	79.5	0.10 U	10.8	105.0000	--	14	142.0	1.9000	--	--	242	7.84	7.97	--
7/29/20	66.1	0.10 U	16.7	97.4000	--	8	146.0	1.1200	--	--	77	7.73	7.70	--

Gude Landfill

Printed 10/24/20

Monitoring Location ST065 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/3/01	--	--	--	--	--	--	--	--	8.9	--
9/5/01	--	--	--	--	--	--	--	--	1.5	--
3/12/02	--	--	--	--	--	--	--	--	1.9	--
9/16/02	--	--	--	--	--	--	--	--	0.2	--
6/3/03	--	--	--	--	--	--	0	--	4.5	--
10/8/03	--	--	--	--	--	--	0 U	--	--	--
3/24/04	--	--	--	--	--	--	--	--	--	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/2/07	--	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	--	0 U	--	--	--
9/22/09	--	--	5.3	--	--	196	--	--	90.3	--
8/3/10	--	--	--	3.0 U	--	--	--	--	--	--
9/20/10	--	--	10.8	--	--	500	--	--	0.7	--

Gude Landfill

Monitoring Location ST065 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
4/18/11	--	--	26.6 J	--	--	524	--	--	8.3	--
9/12/11	--	--	32.8	--	--	588	--	--	--	--
3/5/12	--	--	25.4	--	--	532	--	--	--	--
9/11/12	--	--	10.4	--	--	360	--	--	--	--
3/27/13	1	--	26.3	--	7.3	562	--	--	--	--
9/11/13	467	--	29.2	--	23.5	352	--	--	--	0.0
3/24/14	1916	--	19.8	--	5.9	1038	--	--	--	--
9/2/14	563	--	10.7	--	22.8	370	--	--	--	--
3/17/15	813	--	13.5	--	10.6	470	--	--	--	7.5
3/17/16	694	--	14.0	--	10.1	473	--	--	--	1.0
9/4/18	807	--	10.4	--	24.0	459	--	--	--	7.8
4/8/19	712	752	18.0	--	14.3	430	--	2.6 U	1.7	6.9
7/30/19	529	505	12.5	--	22.9	321	--	2.5 U	0.8	0.0
3/2/20	420	520	14.0	--	8.8	310	--	2.6 U	1.3	328.3
7/29/20	495	487	10.3	--	24.8	268	--	2.3 U	0.5	17.8

**Gude Landfill**  
**Monitoring Location ST065 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015
4/3/01	0.0007 U	0.0020 U	0.0258	0.0005 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0013 U
9/5/01	0.0020 U	0.0007 U	0.0305	0.0017 U	--	0.0006 U	--	0.0012 U	0.0004 U	0.0082	--	0.0020 U
3/12/02	0.0005 U	0.0007 U	0.0475	0.0017 U	--	0.0006 U	--	0.0031	0.0020 U	0.0104	--	0.0020 U
9/16/02	0.0007 U	0.0020 U	0.0293	0.0004 U	--	0.0004 U	--	0.0026	0.0020 U	0.0076	--	0.0020 U
6/3/03	0.0007 U	0.0020 U	0.0328	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0157	--	0.0020 U
10/8/03	0.0009 U	0.0008 U	0.0327	0.0016 U	--	0.0007 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0020 U
3/24/04	0.0009 U	0.0020 U	0.0745	0.0016 U	--	0.0020 U	--	0.0020 U	0.0074	0.0100 U	--	0.0020
9/21/04	0.0028 U	0.0006 U	0.0376	0.0012 U	--	0.0003 U	--	0.0007 U	0.0005 U	0.0105	--	0.0006 U
4/6/05	0.0028 U	0.0006 U	0.0301	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0134	--	0.0020 U
9/21/05	0.0028 U	0.0006 U	0.0351	0.0012 U	--	0.0003 U	--	0.0007 U	0.0005 U	0.0105	--	0.0020 U
4/5/06	0.0006 U	0.0006 U	0.0592	0.0007 U	--	0.0004 U	--	0.0020 U	0.0005 U	0.0137	--	0.0032
9/26/06	0.0007 U	0.0008 U	0.0472	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0049	--	0.0007 U
4/18/07	0.0007 U	0.0008 U	0.1000	0.0009 U	0.035	--	--	0.0020 U	0.0134	0.0063	--	0.0020 U
10/2/07	0.0020 U	0.0008 U	0.0404	0.0009 U	0.138	--	--	0.0020 U	0.0020 U	0.0069	--	0.0007 U
3/25/08	0.0005 U	0.0006 U	0.0380	0.0010 U	0.047	--	--	0.0020 U	0.0012 U	0.0075	--	0.0010 U
9/23/08	0.0010 U	0.0012 U	0.0314	0.0020 U	0.400 U	--	--	0.0016 U	0.0024 U	0.0069	--	0.0040 U
3/5/09	0.0020 U	0.0002 U	0.0447	0.0002 U	0.011	--	--	0.0020 U	0.0020 U	0.0058	--	0.0020 U
9/22/09	0.0020 U	0.0020 U	0.0912	0.0020 U	--	0.0020 U	18.1	0.0020 U	0.0137	0.0080	10.1	0.0036
8/3/10	0.0010 U	0.0006 J	0.0350	0.0010 U	--	0.0010 U	--	0.0026	0.0010 U	0.0008 J	--	0.0010 U
9/20/10	0.0050 U	0.0050 U	0.0431	0.0050 U	--	0.0050 U	34.3	0.0050 U	0.0050 U	0.0066	0.3 J	0.0050 U
4/18/11	0.0050 U	0.0050 U	0.0556	0.0050 U	--	0.0050 U	33.9 J	0.0050 U	0.0050 U	0.0067	0.7	0.0050 U
9/12/11	0.0050 U	0.0050 U	0.0790	0.0050 U	--	0.0050 U	34.2	0.0050 U	0.0050 U	0.0077	0.6	0.0050 U
3/5/12	0.0050 U	0.0050 U	0.0484	0.0050 U	--	0.0050 U	30.6	0.0050 U	0.0050 U	0.0077	0.5	0.0050 U

**Gude Landfill  
Monitoring Location ST065 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)
9/11/12	0.0050 U	0.0050 U	0.0450	0.0050 U	--	0.0050 U	34.3	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U
3/27/13	0.0050 U	0.0050 U	0.0644	0.0050 U	--	0.0050 U	34.6	0.0050 U	0.0050 U	0.0168	0.4	0.0050 U
9/11/13	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	40.0	0.0050 U	0.0050 U	0.0050 U	0.3	0.0050 U
3/24/14	0.0050 U	0.0050 U	0.0685	0.0050 U	--	0.0050 U	37.6	0.0050 U	0.0050 U	0.0055	0.5	0.0050 U
9/2/14	0.0050 U	0.0050 U	0.2270	0.0050 U	--	0.0050 U	23.5	0.0226	0.0387	0.0267	17.8	0.0244
3/17/15	0.0020 U	0.0020 U	0.0390	0.0020 U	--	0.0040 U	23.0	0.0100 U	0.0100 U	0.0035 U	0.6	0.0020 U
3/17/16	0.0020 U	0.0020 U	0.0541	0.0020 U	--	0.0020 U	33.3	0.0020 U	0.0020 U	0.0023	0.5	0.0020 U
9/4/18	0.0020 U	0.0020 U	0.0819	0.0020 U	--	0.0020 U	36.5	0.0021	0.0039	0.0020 U	0.7	0.0020 U
4/8/19	0.0010 U	0.0010 U	0.0509	0.0010 U	--	0.0010 U	30.5	0.0010 U	0.0010 U	0.0014	0.2	0.0010 U
7/30/19	0.0010 U	0.0010 U	0.0426	0.0010 U	--	0.0010 U	27.2 B	0.0010 U	0.0010 U	0.0010 U	0.1	0.0010 U
3/2/20	0.0010 U	0.0010 U	0.0391	0.0010 U	--	0.0010 U	26.7	0.0010 U	0.0010 U	0.0010 U	0.2	0.0010 U
7/29/20	0.0010 U	0.0010 U	0.0464	0.0010 U	--	0.0010 U	27.9	0.0010 U	0.0010 U	0.0010 U	0.1	0.0010 U

**Gude Landfill**  
**Monitoring Location ST065 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS			0.002			0.05			0.002			
4/3/01	--	0.108	0.0001 U	0.0062	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0020 U	0.0100 U
9/5/01	--	0.052	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/12/02	--	0.107	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
9/16/02	--	0.029	0.0001 U	0.0026	--	0.0044	0.0096 U	--	0.0010 U	0.0008 U	0.0003 U	--
6/3/03	--	0.099	0.0002 U	0.0062	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
10/8/03	--	0.213	0.0002 U	0.0041	--	0.0007 U	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
3/24/04	--	0.526	0.0002 U	0.0151	--	0.0024	0.0022 U	--	0.0004 U	0.0003 U	0.0020 U	--
9/21/04	--	0.052	0.0001 U	0.0037	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	--	0.112	0.0001 U	0.0057	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	--	0.087	0.0001 U	0.0030	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	--	0.270	0.0001 U	0.0083	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/26/06	--	0.056	0.0002 U	0.0024	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	--	0.0002 U	0.0058	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0185
10/2/07	--	--	0.0002 U	0.0037	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0007 U	0.0032
3/25/08	--	--	0.0002 U	0.0058	--	0.0009 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	--	0.0002 U	0.0040 U	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/5/09	--	--	0.0002 U	0.0028	--	0.0020 U	0.0009 U	--	0.0002 U	0.0011 U	0.0020 U	0.0058
9/22/09	10.600	2.370	0.0002 U	0.0080	2.92	0.0020 U	0.0020 U	25.7	0.0020 U	--	0.0036	0.0165
8/3/10	--	--	0.0002 U	0.0029	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0110
9/20/10	18.400	0.018	0.0002 U	0.0050 U	4.00	0.0050 U	0.0050 U	37.0	0.0050 U	--	0.0050 U	0.0050 U
4/18/11	26.900 J	0.143	0.0002 U	0.0095	14.80	0.0050 U	0.0050 U	121.0 J	0.0050 U	--	0.0050 U	0.0060
9/12/11	23.700	0.250	0.0002 U	--	14.90	0.0082	0.0050 U	115.0	0.0050 U	--	0.0050 U	0.0067
3/5/12	29.000	0.086	0.0002 U	--	13.80	0.0050 U	0.0050 U	136.0	0.0050 U	--	0.0050 U	0.0054



**Gude Landfill**  
**Monitoring Location ST065 - Total Metals**

Printed 10/24/20

	Magnesium, total (mg/L)	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/11/12	17.400	0.018	0.0002 U	--	4.68	0.0050 U	0.0050 U	26.3	0.0050 U	--	0.0050 U	0.0050 U
3/27/13	28.300	0.029	0.0002 U	--	17.00	0.0050 U	0.0050 U	136.0	0.0050 U	--	0.0050 U	0.0054
9/11/13	19.000	0.071	0.0002 U	--	4.53	0.0050 U	0.0050 U	27.5	0.0050 U	--	0.0050 U	0.0050 U
3/24/14	20.100	0.154	0.0002 U	0.0090	5.10	0.0050 U	0.0050 U	345.0	0.0050 U	--	0.0050 U	0.0090
9/2/14	19.500	5.110	0.0002 U	0.0307	15.20	0.0050 U	0.0050 U	75.9	0.0050 U	--	0.0281	0.0863
3/17/15	12.000	0.120	0.0002 U	0.0085 J	3.30	0.0350 U	0.0100 U	150.0	0.0020 U	--	0.0100 U	0.0098 J
3/17/16	18.600	0.139	0.0002 U	0.0069	2.59	0.0020 U	0.0001 U	83.5	0.0010 U	--	0.0020 U	0.0042
9/4/18	26.800	0.832	0.0002 U	0.0083	14.80	0.0057	0.0020 U	85.6	0.0010 U	--	0.0020 U	0.0030
4/8/19	23.400	0.085	0.0001 U	0.0068	3.93	0.0010 U	0.0010 U	71.3	0.0010 U	--	0.0010 U	0.0040 U
7/30/19	17.900	0.018	0.0001 U	0.0027	3.41	0.0010 U	0.0010 U	32.1 B	0.0010 U	--	0.0010 U	0.0040 U
3/2/20	18.200	0.074	0.0001 U	0.0045	3.66	0.0010 U	0.0010 U	40.3	0.0010 U	--	0.0010 U	0.0040 U
7/29/20	18.700	0.017	0.0001 U	0.0024	3.46	0.0010 U	0.0010 U	29.4	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 10/24/20

Monitoring Location ST065 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
9/5/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/16/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
10/8/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	0.2 U	0.17 U	0.21 U
3/24/04	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	5.03	0.40 U	1.00 U	1.04	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.54	0.40 U	1.00 U	1.00 U	0.28 U	11.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/2/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	1.13	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	1.34
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/16/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
10/8/03	0.21 U	0.19 U	1.00 U	0.11 U	0.26	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/24/04	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	1.00 U	0.33 U	10.00 U	0.23 U	0.29 U	1.00 U	1.00 U	1.00 U	--	0.39 U	--	--	--	0.28 U	1.00 U	0.34 U
9/26/06	0.35 U	0.33 U	11.00 U	1.00 U	0.29 U	0.37 U	1.00 U	1.00 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/2/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	0.23 U	0.50 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	0.14 U	0.50 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.50 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.17	--	1 U	--	1.00 U	1.00 U	1.00 U
8/3/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/18/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/12/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/5/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/2/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.15	--	5 U	--	1.00 U	1.00 U	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.88	--	5 U	--	1.00 U	1.00 U	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/2/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/29/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
9/5/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/12/02	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/16/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
10/8/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
3/24/04	0.18 U	0.14 U	1.00 U	1.00 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	1.00 U	2.50 U	0.25 U	0.40 U	0.3 U	0.27 U	1.00 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	1.00 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/2/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	0.25 U	0.13 U	0.15 U	0.19 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	0.14 U	0.12 U	0.13 U	0.15 U	--	0.12 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	9.43	0.12 U	0.13 U	1.88	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/3/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/20/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.81 J	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/11/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/27/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/24/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/2/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/17/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/2/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/29/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	3.15	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/16/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
10/8/03	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/24/04	--	0.30 U	0.28 U	1.00 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	2.07	1.00 U	1.00 U	1.30	1.00 U	0.25 U	0.18 U
9/26/06	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/18/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/2/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/3/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/20/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/18/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper



**Gude Landfill**  
**Monitoring Location ST065 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
9/12/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/5/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/11/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/27/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/24/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/2/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/17/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/2/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/29/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location ST065 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
9/5/01	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
3/12/02	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/16/02	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
6/3/03	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
10/8/03	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	0.19 U	0.18 U	--	0.02	--
3/24/04	0.17 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	0.01	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/5/06	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	1.00 U	1.00 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/18/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/2/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
3/25/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
3/5/09	0.50 U	0.12 U	0	0.69	0.13 U	--	7.13	0.10 U	--	1.29	--
9/22/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
8/3/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/20/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/18/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U

Gude Landfill

Printed 10/24/20

Monitoring Location ST065 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/12/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/5/12	1.00 U	1.60	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	4
9/11/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/27/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/24/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/2/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/17/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/2/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/29/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location ST120 - Dissolved Metals**

Printed 10/24/20

	Manganese, dissolved (mg/L)	Nickel, dissolved (mg/L)
MCL/ GWPS		
9/12/11	--	0.01
3/5/12	--	0.01
9/17/12	--	0.01
3/28/13	--	0.01
9/18/13	--	0.01
9/1/15	0.130	--

**Gude Landfill**  
**Monitoring Location ST120 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/3/01	--	--	--	90.1272	0.005 U	--	--	1.0604	--	--	--	--	--	--	--
9/4/01	--	--	--	41.5739	0.004	--	--	--	--	--	--	--	--	--	--
3/12/02	--	--	--	225.4730	0.003	--	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	65.7660	0.005 U	--	--	--	--	--	--	--	--	0.010	--
9/20/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.015	--
4/5/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
4/4/06	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.014	--
9/25/06	--	--	--	--	0.001	--	--	--	--	--	--	--	--	0.012	--
4/17/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.020	--
10/3/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--	--
3/25/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/23/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/21/09	64.0	0.20 U	4.6 J	--	--	--	340.0	1.0290	--	--	--	--	--	--	--
8/3/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/15/10	70.0	0.20 U	11.1	93.2000	--	--	180.0	0.7920	1	0.05 U	--	--	--	--	--
4/25/11	60.0	0.20 U	15.1	102.0000 J	--	--	113.0	0.7870	1	0.05 U	--	--	--	--	--
9/12/11	49.0	0.20 U	11.9	50.1000	--	--	73.0	0.5810	1	0.05 U	--	--	--	--	--
3/5/12	52.0	0.20 U	9.7	110.0000	--	--	98.0	1.3300	1	0.05 U	--	--	--	--	--

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location ST120 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
9/17/12	72.0	0.20 U	10.0 U	47.0000	--	--	100.0	1.3000	1	0.05 U	--	--	--	--	--
3/28/13	56.0	0.20 U	25.8	335.0000	--	15	130.0	1.2000	1	0.05 U	361	7.35	--	--	1
9/18/13	57.0	0.20 U	10.0 U	67.8000	--	12	120.0	0.8120	1	0.05 U	287	7.40	--	--	340
3/13/14	64.0	0.20 U	14.3	928.0000	--	14	208.0	1.3800	--	--	426	7.34	--	--	2780
9/8/14	60.0	0.20 U	22.8	77.4000	--	8	130.0	0.5390	1	0.05 U	--	6.62	--	--	378
3/18/15	56.0	0.20 U	10.0 U	332.0000	--	13	138.0	1.6100	2	0.05 U	260	7.64	--	--	1092
9/1/15	68.0	0.24	10.0 U	117.0000	--	8	174.0	1.2000	1	0.05 U	--	6.80	--	--	520
3/16/16	62.0	0.20 U	10.0 U	217.0000	--	11	160.0	1.4200	1	0.05 U	--	7.39	--	--	755
8/30/16	60.0	0.20 U	10.0 U	94.2000	--	8	188.0	1.2400	1	0.05 U	186	7.21	--	--	432
3/6/17	82.0	0.20 U	10.0 U	159.0000	--	12	186.0	1.3300	1	0.05 U	348	7.01	--	--	458
9/12/17	66.0	0.20 U	10.3	80.4000	--	10	230.0	1.1400	1	0.05 U	236	7.64	--	--	401
3/28/18	60.0	0.20 U	10.0 U	366.0000	--	12	190.0	1.3800	1	0.05 U	123	7.46	--	--	1135
9/11/18	41.4	0.20 U	11.8	37.8000	--	8	64.0	0.5530	1	0.05 U	79	7.17	--	--	202
4/8/19	69.4	0.10 U	10.9	182.0000	--	10	173.0 B	1.8000	--	--	99	7.04	7.33	--	684
8/1/19	69.5	0.18	16.7	116.0000	--	8	153.0	1.6000	--	--	107	7.12	7.06	--	5
3/9/20	60.2	0.10 U	6.1	113.0000	--	1	152.0	1.8000	--	--	202	6.39	6.91	--	411
7/27/20	53.5	0.10 U	16.5	91.9000	--	7	139.0	0.7600	--	--	159	7.53	6.92	--	491

Gude Landfill

Monitoring Location ST120 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/3/01	--	--	--	--	--	--	--	5.8	--
9/4/01	--	--	--	--	--	--	--	3.5	--
3/12/02	--	--	--	--	--	--	--	3.7	--
6/3/03	--	--	--	--	--	0	--	4.3	--
9/20/04	--	--	--	--	--	0 U	--	--	--
4/5/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0	--	--	--
4/4/06	--	--	--	--	--	0	--	--	--
9/25/06	--	--	--	--	--	0	--	--	--
4/17/07	--	--	--	--	--	0 U	--	--	--
10/3/07	--	--	--	--	--	0 U	--	--	--
3/25/08	--	--	--	--	--	0 U	--	--	--
9/23/08	--	--	--	--	--	0 U	--	--	--
9/21/09	--	7.6	--	--	244	--	--	2.1	--
8/3/10	--	--	3.0 U	--	--	--	--	--	--
9/15/10	--	13.5	--	--	376	--	--	2.4	--
4/25/11	--	7.5	--	--	372	--	--	3.9	--
9/12/11	--	6.5	--	--	208	--	--	--	--
3/5/12	--	7.8	--	--	284	--	--	--	--

Gude Landfill

Printed 10/24/20

Monitoring Location ST120 - General Parameters

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/17/12	--	5.6	--	--	228	--	--	--	--
3/28/13	--	7.9	--	7.4	660	--	--	--	5.0
9/18/13	--	8.4	--	18.0	272	--	--	--	--
3/13/14	--	24.8	--	5.8	1676	--	--	--	9.8
9/8/14	--	8.9	--	19.4	268	--	--	--	--
3/18/15	--	14.0	--	9.2	740	--	--	--	5.8
9/1/15	--	10.2	--	20.5	307	--	--	--	--
3/16/16	--	13.1	--	9.7	434	--	--	--	1.8
8/30/16	--	10.4	--	22.5	268	--	--	--	0.0
3/6/17	--	14.6	--	10.3	318	--	--	--	1.7
9/12/17	--	9.6	--	19.0	301	--	--	--	0.0
3/28/18	--	15.2	--	7.4	765	--	--	--	0.6
9/11/18	--	5.8	--	19.4	137	--	--	--	0.1
4/8/19	729	15.5	--	13.8	435	--	3.1	2.2	2.0
8/1/19	521	12.8	--	21.7	336	--	2.5 U	1.8	4.6
3/9/20	507	12.3	--	9.2	276	--	2.3 U	2.0	2.3
7/27/20	544	8.4	--	24.4	284	--	6.6	1.1	39.6



**Gude Landfill**  
**Monitoring Location ST120 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/3/01	0.0007 U	0.0005 U	0.0186	0.0005 U	--	0.0006 U	--	0.0003 U	0.0007 U	0.0159	--	0.0013 U	--
9/4/01	0.0020 U	0.0007 U	0.0335	0.0017 U	--	0.0006 U	--	0.0012 U	0.0020 U	0.0084	--	0.0020 U	--
3/12/02	0.0005 U	0.0020 U	0.0475	0.0017 U	--	0.0020 U	--	0.0024	0.0020 U	0.0090	--	0.0020 U	--
6/3/03	0.0007 U	0.0020 U	0.0340	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0167	--	0.0020 U	--
9/20/04	0.0028 U	0.0006 U	0.0340	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0112	--	0.0020 U	--
4/5/05	0.0028 U	0.0006 U	0.0321	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0100	--	0.0020 U	--
9/21/05	0.0028 U	0.0006 U	0.0447	0.0012 U	--	0.0020 U	--	0.0021	0.0020 U	0.0116	--	0.0031	--
4/4/06	0.0020 U	0.0006 U	0.0705	0.0007 U	--	0.0004 U	--	0.0021	0.0020 U	0.0105	--	0.0028	--
9/25/06	0.0007 U	0.0020 U	0.0582	0.0009 U	--	0.0006 U	--	0.0026	0.0020 U	0.0085	--	0.0020 U	--
4/17/07	0.0007 U	0.0020 U	0.0288	0.0009 U	0.020 U	--	--	0.0027	0.0020 U	0.0104	--	0.0021	--
10/3/07	0.0007 U	0.0008 U	0.0431	0.0009 U	0.045	--	--	0.0020 U	0.0020 U	0.0066	--	0.0020 U	--
3/25/08	0.0005 U	0.0006 U	0.0433	0.0010 U	0.038	--	--	0.0008 U	0.0012 U	0.0094	--	0.0010 U	--
9/23/08	0.0010 U	0.0012 U	0.0373	0.0020 U	0.091	--	--	0.0016 U	0.0024 U	0.0089	--	0.0040 U	--
3/9/09	0.0020 U	0.0020 U	0.1051	0.0002 U	0.031	--	--	0.0020 U	0.0020 U	0.0152	--	0.0020 U	--
9/21/09	0.0020 U	0.0020 U	0.0392	0.0020 U	--	0.0020 U	25.7	0.0020 U	0.0020 U	0.0056	0.5	0.0020 U	12.300
8/3/10	0.0010 U	0.0007 J	0.0410	0.0010 U	--	0.0010 U	--	0.0010 U	0.0010 U	0.0007 J	--	0.0010 U	--
9/15/10	0.0050 U	0.0050 U	0.0482	0.0050 U	--	0.0050 U	31.6	0.0050 U	0.0050 U	0.0068	0.7	0.0050 U	16.300
4/25/11	0.0050 U	0.0050 U	0.0460	0.0050 U	--	0.0050 U	23.1 J	0.0050 U	0.0050 U	0.0052	0.7	0.0050 U	14.200 J
9/12/11	0.0050 U	0.0050 U	0.0357	0.0050 U	--	0.0050 U	33.4	0.0050 U	0.0050 U	0.0062	0.8	0.0053	12.600
3/5/12	0.0050 U	0.0050 U	0.0397	0.0050 U	--	0.0050 U	23.3	0.0050 U	0.0050 U	0.0091	0.5	0.0050 U	11.500
9/17/12	0.0050 U	0.0050 U	0.0423	0.0050 U	--	0.0050 U	24.9	0.0050 U	0.0050 U	0.0050 U	0.7	0.0050 U	14.200
3/28/13	0.0050 U	0.0050 U	0.0559	0.0050 U	--	0.0050 U	29.6	0.0050 U	0.0050 U	0.0151	0.6	0.0050 U	14.800
9/18/13	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	27.4	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U	12.900

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location ST120 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/13/14	0.0050 U	0.0050 U	0.0927	0.0050 U	--	0.0050 U	46.1	0.0050 U	0.0050 U	0.0084	0.9	0.0050 U	22.500
9/8/14	0.0050 U	0.0050 U	0.0514	0.0050 U	--	0.0050 U	27.6	0.0050 U	0.0050 U	0.0050 U	1.0	0.0050 U	13.200
3/18/15	0.0020 U	0.0020 U	0.0470	0.0020 U	--	0.0040 U	28.0	0.0100 U	0.0100 U	0.0031 J	0.5	0.0020 U	13.000
9/1/15	0.0010 U	0.0010 U	0.0530	0.0010 U	--	0.0005 U	39.0	0.0050 U	0.0050 U	0.0050 U	0.3	0.0010 U	21.000
3/16/16	0.0050 U	0.0050 U	0.0667	0.0050 U	--	0.0050 U	--	0.0050 U	0.0050 U	0.0050 U	--	0.0050 U	--
8/30/16	0.0020 U	0.0020 U	0.0454	0.0020 U	--	0.0020 U	29.3	0.0020 U	0.0020 U	0.0020 U	0.4	0.0020 U	15.600
3/6/17	0.0050 U	0.0050 U	0.0629	0.0050 U	--	0.0050 U	41.0	0.0050 U	0.0050 U	0.0050 U	0.8	0.0050 U	21.500
9/12/17	0.0020 U	0.0020 U	0.0422	0.0020 U	--	0.0020 U	28.4	0.0020 U	0.0020 U	0.0020 U	1.0	0.0020 U	13.900
3/28/18	0.0020 U	0.0020 U	0.0607	0.0020 U	--	0.0020 U	37.5	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U	17.600
9/11/18	0.0050 U	0.0050 U	0.0214	0.0050 U	--	0.0050 U	15.7	0.0050 U	0.0050 U	0.0050 U	0.4	0.0050 U	6.040
4/8/19	0.0010 U	0.0010 U	0.0551	0.0010 U	--	0.0010 U	31.4	0.0010 U	0.0010 U	0.0017	0.3	0.0010 U	22.900
8/1/19	0.0010 U	0.0010 U	0.0523	0.0010 U	--	0.0010 U	29.2	0.0010 U	0.0010 U	0.0010 U	0.4	0.0010 U	19.500
3/9/20	0.0010 U	0.0010 U	0.0453	0.0010 U	--	0.0010 U	28.4	0.0010 U	0.0010 U	0.0010 U	0.3	0.0010 U	19.600
7/27/20	0.0010 U	0.0010 U	0.0549	0.0010 U	--	0.0010 U	26.7	0.0010 U	0.0010 U	0.0013	0.4	0.0010 U	17.400

**Gude Landfill**  
**Monitoring Location ST120 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/3/01	0.075	0.0001 U	0.0040	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	0.0100 U
9/4/01	0.097	0.0001 U	0.0100 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/12/02	0.169	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0007 U	--
6/3/03	0.153	0.0002 U	0.0076	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
9/20/04	0.088	0.0001 U	0.0055	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/5/05	0.094	0.0002 U	0.0072	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	0.259	0.0006	0.0080	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0040	--
4/4/06	0.207	0.0001 U	0.0104	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/25/06	0.291	0.0002 U	0.0082	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0033	--
4/17/07	--	0.0002 U	0.0116	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0028	0.0215
10/3/07	--	0.0002 U	0.0077	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0055
3/25/08	--	0.0002 U	0.0078	--	0.0020 U	0.0008 U	--	0.0006 U	0.0500 U	0.0006 U	0.0100 U
9/23/08	--	0.0002 U	0.0060	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/9/09	--	0.0002 U	0.0113	--	0.0020 U	0.0009 U	--	0.0002 U	0.0011 U	0.0020 U	--
9/21/09	0.063	0.0002 U	0.0066	1.88	0.0020 U	0.0020 U	27.5	0.0020 U	--	0.0002 U	0.0100 U
8/3/10	--	0.0002 U	0.0050	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0110
9/15/10	0.082	0.0002 U	0.0066	3.02	0.0050 U	0.0050 U	34.0	0.0050 U	--	0.0050 U	0.0050 U
4/25/11	0.126	0.0002 U	0.0098	2.51	0.0050 U	0.0050 U	53.7	0.0050 U	--	0.0050 U	0.0089
9/12/11	0.051	0.0002 U	--	3.08	0.0050 U	0.0050 U	34.5	0.0050 U	--	0.0050 U	0.0084
3/5/12	0.085	0.0002 U	--	2.25	0.0050 U	0.0050 U	65.1	0.0050 U	--	0.0050 U	0.0106
9/17/12	0.117	0.0002 U	--	2.20	0.0050 U	0.0050 U	15.3	0.0050 U	--	0.0050 U	0.0050 U
3/28/13	0.091	0.0002 U	--	3.01	0.0050 U	0.0050 U	181.0	0.0050 U	--	0.0050 U	0.0075
9/18/13	0.080	0.0002 U	--	2.67	0.0050 U	0.0050 U	19.8	0.0050 U	--	0.0050 U	0.0064

**Gude Landfill**  
**Monitoring Location ST120 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/13/14	0.128	0.0002 U	0.0146	6.08	0.0050 U	0.0050 U	561.0	0.0050 U	--	0.0050 U	0.0157
9/8/14	0.155	0.0002 U	0.0055	2.77	0.0050 U	0.0050 U	24.5	0.0050 U	--	0.0050 U	0.0058
3/18/15	0.140	0.0002 U	0.0110 U	2.80	0.0350 U	0.0100 U	210.0	0.0020 U	--	0.0100 U	0.0084 U
9/1/15	--	0.0002 U	0.0100 U	3.00	0.0050 U	0.0010 U	34.0	0.0010 U	--	0.0050 U	0.0050 U
3/16/16	0.126	0.0002 U	0.0108	2.38	0.0050 U	0.0050 U	--	0.0050 U	--	0.0050 U	0.0086
8/30/16	0.059	0.0002 U	0.0031	2.22	0.0020 U	0.0020 U	24.3	0.0010 U	--	0.0020 U	0.0020 U
3/6/17	0.094	0.0002 U	0.0107	2.51	0.0050 U	0.0050 U	52.0	0.0050 U	--	0.0050 U	0.0050 U
9/12/17	0.071	0.0002 U	0.0043	2.39	0.0020 U	0.0020 U	24.5	0.0010 U	--	0.0020 U	0.0036
3/28/18	0.136	0.0002 U	0.0088	2.35	0.0020 U	0.0020 U	197.0	0.0010 U	--	0.0020 U	0.0080
9/11/18	0.033	0.0002 U	0.0050 U	2.64	0.0050 U	0.0050 U	15.3	0.0050 U	--	0.0050 U	0.0050 U
4/8/19	0.116	0.0001 U	0.0092	2.28	0.0010 U	0.0010 U	71.4	0.0010 U	--	0.0010 U	0.0089
8/1/19	0.132	0.0001 U	0.0040	2.91	0.0010 U	0.0010 U	34.4	0.0010 U	--	0.0010 U	0.0040 U
3/9/20	0.087	0.0001 U	0.0061	2.30	0.0010 U	0.0010 U	37.6	0.0010 U	--	0.0010 U	0.0046
7/27/20	0.064	0.0001 U	0.0042	3.12	0.0010 U	0.0010 U	29.4	0.0010 U	--	0.0010 U	0.0040 U

Gude Landfill

Printed 10/24/20

Monitoring Location ST120 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
9/4/01	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/12/02	0.18 U	0.15 U	0.23 U	0.22 U	1.00 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
9/20/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	1.00 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/4/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	--	0.27 U	0.34 U
9/25/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/17/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/3/07	0.13 U	0.24 U	0.44 U	0.25 U	1.00 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	0.34 U
3/25/08	0.18 U	0.18 U	0.21 U	0.23 U	0.50 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	10.0 U	0.18 U	0.17 U
9/23/08	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.50 U
3/9/09	0.12 U	0.17 U	0.14 U	0.17 U	0.50 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/21/09	1.00 U	1.00 U	1.00 U	1.00 U	0.36 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/25/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
9/4/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/12/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/20/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.39	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/4/06	0.35 U	0.33 U	--	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/25/06	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/17/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/3/07	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/25/08	0.24 U	0.20 U	0.23 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/23/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/9/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/21/09	1.00 U	1.00 U	0.33 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.17 J	--	1 U	--	1.00 U	1.00 U	1.00 U
8/3/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/25/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/5/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/28/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/8/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.10	--	5 U	1 U	1.00 U	--	1.00 U
8/1/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/9/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
7/27/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U



**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
9/4/01	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.00 U	--	0.26 U
3/12/02	0.18 U	0.14 U	1.00 U	0.38 U	0.15 U	0.28 U	0.2 U	1.00 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.20	--	0.26 U
6/3/03	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	0.20 U	--	0.26 U
9/20/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.22	0.29 U	0.27 U	1.24	--	0.23 U
4/4/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/25/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.52	0.29 U	0.27 U	1.00 U	--	0.23 U
4/17/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/3/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	2.99	0.29 U	0.27 U	1.04	--	0.23 U
3/25/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	1.22	0.13 U	0.15 U	0.50 U	--	0.26 U
9/23/08	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	2.10	0.12 U	0.13 U	0.59	--	0.12 U
3/9/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	1.15	0.12 U	0.13 U	0.50 U	--	0.12 U
9/21/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.54	1.00 U	1.00 U	1.00 U	--	1.00 U
8/3/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00	1.00 U	1.00 U	1.00 U	--	1.00 U
9/15/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	0.87 J	--	1.26 J	2.00 U	2.00 U	0.82 J	--	2.00 U
4/25/11	1.00 U	1.00 U	1.00 U	1.80	1.00 U	1.00 U	1.0 U	1.00 U	4.90	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	0.79	1.00 U	1.00 U	--	--	1.00 U
9/17/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/28/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.30	1.00 U	1.00 U	1.00 U	--	1.00 U
9/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	2.26	1.00 U	1.00 U	1.00 U	--	1.00 U
3/13/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/8/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.33	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/1/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.13	1.00 U	1.00 U	1.00 U	--	1.00 U
3/16/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.09	1.00 U	1.00 U	1.00 U	--	1.00 U
9/12/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/28/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/1/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/9/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/27/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
9/4/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	4.80	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/12/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
9/20/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	1.00 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/4/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/25/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/17/07	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/3/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/25/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/23/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/9/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/21/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/3/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/15/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/25/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/5/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/17/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location ST120 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/28/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/13/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/8/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/1/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/16/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/12/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/28/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/1/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/9/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/27/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

### Gude Landfill Monitoring Location ST120 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
9/4/01	1.22	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	--
3/12/02	1.79	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	1.00 U	--	--	--
6/3/03	1.39	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
9/20/04	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/5/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	1.00 U	0.36 U	--	0.32 U	--
4/4/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/25/06	1.65	0.32 U	--	0.45 U	0.24 U	0.30 U	1.33	0.36 U	--	1.00 U	--
4/17/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/3/07	1.56	0.32 U	--	0.45 U	0.24 U	0.30 U	1.40	0.36 U	--	0.32 U	--
3/25/08	0.81	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/23/08	1.25	0.12 U	0	0.14 U	0.13 U	--	0.93	0.10 U	--	0.50 U	--
3/9/09	0.68	0.12 U	0	0.14 U	0.13 U	--	0.51	0.10 U	--	0.18 U	--
9/21/09	0.62 J	1.00 U	--	1.00 U	1.00 U	1.00 U	0.88 J	1.00 U	--	1.00 U	--
8/3/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/15/10	1.10 J	2.00 U	--	2.00 U	2.00 U	2.00 U	0.90 J	2.00 U	2 U	2.00 U	--
4/25/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/5/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1
9/17/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location ST120 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/28/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/18/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.01	1.00 U	5 U	1.00 U	--
3/13/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/8/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/1/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/16/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/12/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/28/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/1/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/9/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/27/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location ST70 - Dissolved Metals**

Printed 10/24/20

	Manganese, dissolved (mg/L)	Nickel, dissolved (mg/L)
MCL/ GWPS		
9/12/11	--	0.01
3/5/12	--	0.01
9/18/12	--	0.01
3/18/13	--	0.01
9/23/13	--	0.01
9/3/15	0.150	--

**Gude Landfill**  
**Monitoring Location ST70 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
MCL/ GWPS					0.2			10		1				
4/2/01	--	--	--	74.5090	0.005 U	--	--	--	--	--	--	--	--	--
9/5/01	--	--	--	47.6235	0.008	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	56.3314	0.002	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	68.4973	0.005	--	--	--	--	--	--	--	--	0.010 U
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.013
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
9/21/05	--	--	--	--	0.007	--	--	--	--	--	--	--	--	0.010 U
4/5/06	--	--	--	--	0.014	--	--	--	--	--	--	--	--	0.018
9/26/06	--	--	--	--	0.003	--	--	--	--	--	--	--	--	0.005 U
4/18/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U
10/4/07	--	--	--	--	0.010 U	--	--	--	--	--	--	--	--	--
3/27/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	109.0	0.20 U	6.0 J	85.8000	--	--	170.0	1.8591	--	--	--	--	--	--
8/3/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--
9/21/10	115.0	0.20 U	10.0	97.6000	--	--	170.0	1.4818 HT	2 HT	0.09 HT	--	--	--	--
4/18/11	105.0	0.48	18.5	79.8000	--	--	128.0	0.8310	1	0.05 U	--	--	--	--
9/12/11	81.0	0.20 U	15.3	50.6000	--	--	110.0	0.7740	1	0.05 U	--	--	--	--
3/5/12	128.0	0.38	17.2	122.0000	--	--	188.0	1.4890	2	0.51	--	--	--	--
9/18/12	79.0	0.20 U	19.5	49.5000	--	--	124.0	0.8780	1	0.05 U	--	--	--	--



**Gude Landfill**  
**Monitoring Location ST70 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)
3/18/13	108.0	0.56	10.0 U	145.0000	--	13	180.0	2.0710	2	0.28	--	6.52	--	--
9/23/13	92.0	0.20 U	22.4	62.6000	--	8	140.0	0.5230	1	0.17	325	7.45	--	--
3/6/14	105.0	0.61	15.3	674.0000	--	15	192.0	1.4810	--	--	601	7.41	--	--
9/4/14	82.0	0.20 U	14.5	76.0000	--	7	148.0	0.8690	1	0.11	--	9.41	--	--
3/23/15	121.0	0.39	10.0 U	229.0000	--	16	200.0	1.3500	1	0.05 U	333	7.72	--	--
9/3/15	120.0	0.20 U	10.0 U	148.0000	--	8	224.0	1.1700	1	0.05 U	227	7.46	--	--
3/21/16	106.0	0.20 U	17.4	170.0000	--	13	184.0	1.3600	1	0.05 U	--	7.24	--	--
8/30/16	107.0	0.20 U	12.1	128.0000	--	9	192.0	1.1700	1	0.05 U	225	7.26	--	--
3/8/17	80.0	0.20 U	10.0 U	106.0000	--	--	168.0	0.6660	1	0.05 U	335	7.39	--	--
9/13/17	95.0	0.71	10.0 U	89.6000	--	9	166.0	1.1700	1	0.05 U	313	7.35	--	--
4/3/18	103.0	0.20 U	16.5	320.0000	--	12	380.0	0.8220	1	0.05 U	158	7.12	--	--
9/11/18	123.0	0.28	33.5	61.9000	--	8	155.0	0.8580	1	0.07	112	7.33	--	--
4/8/19	106.0	0.43	20.2	157.0000	--	13	188.0 B	1.6000	--	--	105	7.90	7.95	--
7/30/19	112.0	0.11	10.7	138.0000	--	8	212.0 B	1.5000	--	--	200	6.92	7.57	--
3/10/20	108.0	0.32	18.8	124.0000	--	11	221.0	1.6500	--	--	123	8.10	7.72	--
8/3/20	100.0	0.10 J	26.1	106.0000	--	254	194.0	0.9700	--	--	143	6.98	7.41	--

Gude Landfill

Monitoring Location ST70 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS										
4/2/01	--	--	--	--	--	--	--	--	7.8	--
9/5/01	--	--	--	--	--	--	--	--	1.9	--
3/13/02	--	--	--	--	--	--	--	--	46.3	--
6/3/03	--	--	--	--	--	--	0	--	16.5	--
9/21/04	--	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	--	0	--	--	--
4/5/06	--	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	--	0	--	--	--
3/27/08	--	--	--	--	--	--	0	--	--	--
9/22/09	--	--	20.8	--	--	352	--	--	2.0	--
8/3/10	--	--	--	3.0 U	--	--	--	--	--	--
9/21/10	--	--	25.2	--	--	524	--	--	0.8	--
4/18/11	--	--	12.8 J	--	--	312	--	--	10.7	--
9/12/11	--	--	11.6	--	--	256	--	--	--	--
3/5/12	--	--	41.4	--	--	448	--	--	--	--
9/18/12	--	--	27.4	--	--	256	--	--	--	--

## Gude Landfill

Printed 10/24/20

### Monitoring Location ST70 - General Parameters

	Specific Conductivity, Field (uS/cm)	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
3/18/13	739	--	29.7	--	6.0	380	--	--	--	155.0
9/23/13	425	--	28.7	--	16.2	308	--	--	--	0.6
3/6/14	2485	--	24.1	--	3.4	1286	--	--	--	3.0
9/4/14	447	--	28.1	--	20.8	276	--	--	--	--
3/23/15	863	--	20.4	--	9.4	574	--	--	--	1.8
9/3/15	692	--	22.7	--	24.4	397	--	--	--	0.0
3/21/16	686	--	18.6	--	12.8	407	--	--	--	0.2
8/30/16	610	--	15.0	--	23.5	452	--	--	--	0.0
3/8/17	310	--	12.0	--	9.6	253	--	--	--	10.7
9/13/17	450	--	11.4	--	17.5	344	--	--	--	3.5
4/3/18	1090	--	16.7	--	9.3	690	--	--	--	0.0
9/11/18	452	--	15.9	--	20.0	277	--	--	--	3.0
4/8/19	901	754	25.8	--	18.1	458	--	3.7	4.7	3.3
7/30/19	737	725	30.6	--	22.1	463	--	3.1	4.6	0.0
3/10/20	608	728	53.2	--	10.8	425	--	11.7	9.8	58.6
8/3/20	663	657	43.8	--	23.5	407	--	71.4	1.9	36.3

**Gude Landfill**  
**Monitoring Location ST70 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/2/01	0.0007 U	0.0020 U	0.0377	0.0005 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0100 U	--	0.0013 U	--
9/5/01	0.0020 U	0.0007 U	0.0564	0.0017 U	--	0.0006 U	--	0.0095	0.0020 U	0.0097	--	0.0020 U	--
3/13/02	0.0020 U	0.0020 U	0.0344	0.0017 U	--	0.0006 U	--	0.0093	0.0020 U	0.0179	--	0.0046	--
6/3/03	0.0007 U	0.0020 U	0.0510	0.0004 U	--	0.0004 U	--	0.0031	0.0020 U	0.0195	--	0.0020 U	--
9/21/04	0.0028 U	0.0006 U	0.0506	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0107	--	0.0020 U	--
4/6/05	0.0028 U	0.0006 U	0.0475	0.0012 U	--	0.0003 U	--	0.0020 U	0.0020 U	0.0162	--	0.0020 U	--
9/21/05	0.0028 U	0.0006 U	0.0885	0.0012 U	--	0.0003 U	--	0.0167	0.0020 U	0.0166	--	0.0020 U	--
4/5/06	0.0006 U	0.0006 U	0.0681	0.0007 U	--	0.0004 U	--	0.0202	0.0020 U	0.0109	--	0.0023	--
9/26/06	0.0007 U	0.0008 U	0.0660	0.0009 U	--	0.0006 U	--	0.0130	0.0020 U	0.0079	--	0.0020 U	--
4/18/07	0.0007 U	0.0008 U	0.0509	0.0009 U	0.062	--	--	0.0034	0.0020 U	0.0072	--	0.0007 U	--
10/4/07	0.0007 U	0.0008 U	0.0699	0.0009 U	0.084	--	--	0.0194	0.0020 U	0.0109	--	0.0039	--
3/27/08	0.0020 U	0.0006 U	0.0508	0.0010 U	0.071	--	--	0.0033	0.0020 U	0.0070	--	0.0020 U	--
3/5/09	0.0020 U	0.0020 U	0.1404	0.0002 U	0.044	--	--	0.0422	0.0020 U	0.0127	--	0.0027	--
9/22/09	0.0020 U	0.0020 U	0.0624	0.0020 U	--	0.0020 U	38.2	0.0020 U	0.0005 J	0.0067	0.4	0.0020 U	16.300
8/3/10	0.0010 U	0.0007 J	0.0590	0.0010 U	--	0.0010 U	--	0.0010 U	0.0005 J	0.0020	--	0.0010 U	--
9/21/10	0.0050 U	0.0050 U	0.0632	0.0050 U	--	0.0050 U	42.8	0.0050 U	0.0050 U	0.0076	0.4 J	0.0050 U	17.800
4/18/11	0.0050 U	0.0050 U	0.0498	0.0050 U	--	0.0050 U	32.5 J	0.0050 U	0.0050 U	0.0066	1.0	0.0050 U	13.600
9/12/11	0.0050 U	0.0050 U	0.0488	0.0050 U	--	0.0050 U	27.4	0.0050 U	0.0050 U	0.0071	0.6	0.0050 U	8.980
3/5/12	0.0050 U	0.0050 U	0.0706	0.0050 U	--	0.0050 U	56.8	0.0234	0.0050 U	0.0100	1.4	0.0050 U	16.500
9/18/12	0.0050 U	0.0050 U	0.0544	0.0050 U	--	0.0050 U	31.7	0.0050 U	0.0050 U	0.0066	0.5	0.0050 U	11.700
3/18/13	0.0050 U	0.0050 U	0.0732	0.0050 U	--	0.0050 U	49.3	0.0253	0.0050 U	0.0070	0.8	0.0050 U	18.900
9/23/13	0.0050 U	0.0050 U	0.0606	0.0050 U	--	0.0050 U	39.8	0.0229	0.0050 U	0.0092	0.5	0.0050 U	11.800
3/6/14	0.0050 U	0.0050 U	0.0934	0.0050 U	--	0.0050 U	44.1	0.0050 U	0.0050 U	0.0073	0.7	0.0050 U	19.000

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location ST70 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
9/4/14	0.0050 U	0.0050 U	0.0820	0.0050 U	--	0.0050 U	37.7	0.0113	0.0050 U	0.0057	0.5	0.0050 U	10.900
3/23/15	0.0020 U	0.0020 U	0.0610	0.0020 U	--	0.0040 U	46.0	0.0100 U	0.0100 U	0.0033 J	0.4	0.0020 U	21.000
9/3/15	0.0010 U	0.0011	0.0640	0.0010 U	--	0.0005 U	54.0	0.0050 U	0.0050 U	0.0050 U	0.1	0.0010 U	24.000
3/21/16	0.0020 U	0.0020 U	0.0681	0.0020 U	--	0.0020 U	43.0	0.0020 U	0.0020 U	0.0035	0.8	0.0020 U	19.300
8/30/16	0.0020 U	0.0020 U	0.0625	0.0020 U	--	0.0020 U	46.5	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U	20.800
3/8/17	0.0050 U	0.0050 U	0.0601	0.0050 U	--	0.0050 U	34.5	0.0050 U	0.0050 U	0.0116	0.5	0.0050 U	14.600
9/13/17	0.0050 U	0.0050 U	0.0655	0.0050 U	--	0.0050 U	38.7	0.0050 U	0.0050 U	0.0052	0.5	0.0050 U	17.300
4/3/18	0.0020 U	0.0020 U	0.0768	0.0020 U	--	0.0020 U	88.4	0.0020 U	0.0020 U	0.0024	0.9	0.0020 U	38.600
9/11/18	0.0050 U	0.0050 U	0.0496	0.0050 U	--	0.0050 U	35.6	0.0050 U	0.0050 U	0.0127	0.3	0.0050 U	16.000
4/8/19	0.0010 U	0.0010 U	0.0786	0.0010 U	--	0.0010 U	37.7	0.0093	0.0014	0.0028	0.6	0.0010 U	22.900
7/30/19	0.0010 U	0.0010 U	0.0837	0.0010 U	--	0.0010 U	49.9 B	0.0044	0.0010 U	0.0015	0.2	0.0010 U	21.200
3/10/20	0.0010 U	0.0010 U	0.0880	0.0010 U	--	0.0010 U	52.3	0.0436	0.0016	0.0014	0.5	0.0010 U	22.100
8/3/20	0.0010 U	0.0010 U	0.0760	0.0010 U	--	0.0010 U	46.6	0.0243	0.0010 U	0.0028	0.4	0.0010 U	19.000

**Gude Landfill**  
**Monitoring Location ST70 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/2/01	0.163	0.0001 U	0.0064	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0006 U	0.0157
9/5/01	0.110	0.0001 U	0.0100 U	--	0.0020 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/13/02	0.115	0.0001 U	0.0134	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0033	--
6/3/03	0.241	0.0002 U	0.0070	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
9/21/04	0.156	0.0001 U	0.0046	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	0.236	0.0001 U	0.0075	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
9/21/05	0.127	0.0001 U	0.0059	--	0.0020 U	0.0018 U	--	0.0006 U	0.0050 U	0.0020 U	--
4/5/06	0.272	0.0001 U	0.0086	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0020 U	--
9/26/06	0.106	0.0002 U	0.0044	--	0.0020 U	0.0005 U	--	0.0007 U	0.0050 U	0.0007 U	--
4/18/07	--	0.0002 U	0.0074	--	0.0020 U	0.0005 U	--	0.0007 U	0.0500 U	0.0020 U	0.0167
10/4/07	--	0.0002 U	0.0070	--	0.0020 U	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0187
3/27/08	--	0.0002 U	0.0085	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0160
3/5/09	--	0.0002 U	0.0095	--	0.0020 U	0.0009 U	--	0.0002 U	0.0011 U	0.0020 U	0.0342
9/22/09	0.154	0.0002 U	0.0086	4.30	0.0020 U	0.0020 U	34.2	0.0020 U	--	0.0020 U	0.0100 U
8/3/10	--	0.0002 U	0.0081	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0160
9/21/10	0.147	0.0002 U	0.0077	6.84	0.0050 U	0.0050 U	40.1	0.0050 U	--	0.0050 U	0.0066
4/18/11	0.185	0.0002 U	0.0086	4.15	0.0050 U	0.0050 U	45.6 U	0.0050 U	--	0.0050 U	0.0145
9/12/11	0.093	0.0002 U	--	4.52	0.0050 U	0.0050 U	20.4	0.0050 U	--	0.0050 U	0.0121
3/5/12	0.436	0.0002 U	--	13.10	0.0050 U	0.0050 U	77.1	0.0050 U	--	0.0050 U	0.0143
9/18/12	0.076	0.0002 U	--	5.33	0.0050 U	0.0050 U	22.1	0.0050 U	--	0.0050 U	0.0111
3/18/13	0.276	0.0002 U	--	14.30	0.0050 U	0.0050 U	70.3	0.0050 U	--	0.0050 U	0.0136
9/23/13	0.097	0.0002 U	--	13.50	0.0050 U	0.0050 U	25.9	0.0050 U	--	0.0050 U	0.0215
3/6/14	0.344	0.0002 U	0.0103	14.30	0.0050 U	0.0050 U	384.0	0.0050 U	--	0.0050 U	0.0257

**Gude Landfill**  
**Monitoring Location ST70 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
9/4/14	0.080	0.0002 U	0.0050 U	12.30	0.0050 U	0.0050 U	30.7	0.0050 U	--	0.0050 U	0.0101
3/23/15	0.320	0.0002 U	0.0110	5.50	0.0350 U	0.0100 U	130.0	0.0020 U	--	0.0100 U	0.0140
9/3/15	--	0.0002 U	0.0100 U	5.20	0.0050 U	0.0010 U	50.0	0.0010 U	--	0.0050 U	0.0054
3/21/16	0.272	0.0002 U	0.0079	3.83	0.0020 U	0.0020 U	71.6	0.0010 U	--	0.0020 U	0.0107
8/30/16	0.079	0.0002 U	0.0038	4.25	0.0020 U	0.0020 U	39.1	0.0010 U	--	0.0020 U	0.0036
3/8/17	0.191	0.0002 U	0.0080	2.88	0.0050 U	0.0050 U	49.1	0.0050 U	--	0.0050 U	0.0140
9/13/17	0.150	0.0002 U	0.0051	3.44	0.0050 U	0.0050 U	31.8	0.0050 U	--	0.0050 U	0.0242
4/3/18	0.329	0.0002 U	0.0094	7.49	0.0020 U	0.0020 U	312.0	0.0010 U	--	0.0020 U	0.0115
9/11/18	0.081	0.0002 U	0.0079	4.80	0.0050 U	0.0050 U	26.0	0.0050 U	--	0.0050 U	0.0282
4/8/19	0.261	0.0001 U	0.0069	6.01	0.0010 U	0.0010 U	64.8	0.0010 U	--	0.0010 U	0.0095
7/30/19	0.147	0.0001 U	0.0043	8.20	0.0010 U	0.0010 U	49.2 B	0.0010 U	--	0.0010 U	0.0119
3/10/20	0.336	0.0001 U	0.0065	14.90	0.0010 U	0.0010 U	48.3	0.0010 U	--	0.0010 U	0.0101
8/3/20	0.192	0.0001 U	0.0049	11.80	0.0010 U	0.0010 U	40.0	0.0010 U	--	0.0012	0.0114

Gude Landfill

Printed 10/24/20

Monitoring Location ST70 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
9/5/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/13/02	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.00 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	1.64	0.21 U	0.20 U	1.00 U	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	0.4 U	0.27 U	0.34 U
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/27/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.23 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.48 J	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U



Gude Landfill

Printed 10/24/20

Monitoring Location ST70 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	1.00 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	1.00 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	1.00 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	0.44 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/4/07	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/27/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	0.34 J	1.00 U	0.32 J	1.00 U	1.00 U	1.00 U	1 U	0.43 J	--	1 U	--	1.00 U	1.00 U	1.00 U
8/3/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--	2 U	--	2.00 U	2.00 U	2.00 U
4/18/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/5/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	9.70	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/10/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
9/5/01	1.00 U	1.00 U	0.15 U	1.00 U	0.15 U	0.28 U	0.2 U	1.00 U	0.21 U	--	1.00 U	0.19 U	1.00 U	1.00 U	--	0.26 U
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.00 U	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	1.09	--	0.26 U
6/3/03	1.00 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	4.24	0.21 U	--	0.22 U	0.19 U	1.00 U	0.20 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	1.00 U	0.25 U	--	1.00 U	0.29 U	0.27 U	0.20 U	--	0.23 U
3/27/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	1.04	0.13 U	0.15 U	0.19 U	--	0.26 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.50 U	0.20 U	--	1.17	0.12 U	0.13 U	0.50 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	0.1 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/3/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/21/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	0.47
9/18/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/23/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/3/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/21/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.61	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/30/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U

**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	12.18	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	0.21 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.00 U	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	0.21 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/27/08	--	0.25 U	0.43 U	--	--	5.00 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
3/5/09	--	0.12 U	0.23 U	--	--	7.27	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/3/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/21/10	--	2.00 U	4.00 U	2.00 U	--	1.04 J	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/18/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/5/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/18/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location ST70 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/23/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/3/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/21/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/30/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/10/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

## Gude Landfill Monitoring Location ST70 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
9/5/01	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
3/13/02	1.55	1.00 U	--	0.22 U	0.13 U	0.14 U	1.00 U	0.18 U	--	--	--
6/3/03	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/5/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/18/07	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/4/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
3/27/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
3/5/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.50 U	0.10 U	--	0.18 U	--
9/22/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
8/3/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/21/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/18/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/5/12	1.00 U	0.97	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	2
9/18/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/18/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--



Gude Landfill

Monitoring Location ST70 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
9/23/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/23/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/3/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/21/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
8/30/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/8/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/13/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/3/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/10/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/3/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location ST80 - Dissolved Metals**

Printed 10/24/20

	Manganese, dissolved (mg/L)	Nickel, dissolved (mg/L)
MCL/ GWPS		
9/12/11	--	0.01 U
3/5/12	--	0.01 U
9/18/12	--	0.01 U
3/18/13	--	0.01 U
9/23/13	--	0.01
9/9/15	0.170	--

**Gude Landfill**  
**Monitoring Location ST80 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
MCL/ GWPS					0.2			10		1					
4/2/01	--	--	--	41.3036	0.005 U	--	--	--	--	--	--	--	--	--	--
9/5/01	--	--	--	17.4057	0.007	--	--	--	--	--	--	--	--	--	--
3/13/02	--	--	--	59.6393	0.002	--	--	--	--	--	--	--	--	--	--
6/3/03	--	--	--	25.1835	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
9/21/04	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.010 U	--
4/6/05	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.040	--
9/21/05	--	--	--	--	0.002 U	--	--	--	--	--	--	--	--	0.010 U	--
4/5/06	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.012	--
9/26/06	--	--	--	--	0.002	--	--	--	--	--	--	--	--	0.010 U	--
4/18/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	0.029	--
10/4/07	--	--	--	--	0.005 U	--	--	--	--	--	--	--	--	--	--
3/27/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/24/08	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
9/22/09	48.0	0.20 U	6.7 J	32.6000	--	--	70.0	0.8957	--	--	--	--	--	--	--
8/3/10	--	--	--	--	0.050 U	--	--	--	--	--	--	--	--	--	--
9/23/10	44.0	0.20 U	17.0	28.6000	--	--	68.0	0.3500	0	0.02 J	--	--	--	--	--
4/18/11	32.0	0.20 U	14.6	27.1000	--	--	46.0	0.8560	1	0.05 U	--	--	--	--	--
9/12/11	42.0	0.20 U	12.5	29.4000	--	--	55.0	0.4230	0	0.05 U	--	--	--	--	--
3/5/12	34.0	0.20 U	10.3	45.8000	--	--	58.0	1.6800	2	0.05 U	--	--	--	--	--

**Gude Landfill**  
**Monitoring Location ST80 - General Parameters**

Printed 10/24/20

	Alkalinity (mg/L)	Ammonia Nitrogen (mg/L)	Chemical Oxygen Demand (mg/L)	Chloride (mg/L)	Cyanide, Total (mg/L)	Dissolved Oxygen, Field (mg/L)	Hardness (mg/L)	Nitrate (mg/L)	Nitrate+Nitrite (mg/L)	Nitrite (mg/L)	ORP, Field (mV)	pH, Field (SU)	pH, Lab (SU)	Phosphate (mg/L)	Specific Conductivity, Field (uS/cm)
9/18/12	54.0	0.20 U	10.8	38.1000	--	--	86.0	0.6790	1	0.05 U	--	--	--	--	--
3/18/13	34.0	0.20 U	10.0 U	107.0000	--	13	66.0	1.5200	2	0.05 U	--	7.11	--	--	467
9/23/13	569.0	0.20 U	14.4	43.0000	--	8	76.0	0.3090	0	0.05 U	334	7.65	--	--	231
3/6/14	31.0	0.20 U	10.0 U	207.0000	--	14	84.0	1.7900	--	--	446	7.64	--	--	685
9/4/14	41.0	0.20 U	20.5	40.9000	--	7	76.0	0.5340	1	0.05 U	--	7.60	--	--	211
3/19/15	33.0	0.20 U	12.9	177.0000	--	14	82.0	1.2700	1	0.05 U	301	7.62	--	--	541
9/9/15	60.0	0.20 U	10.0 U	70.6000	--	7	106.0	0.7960	1	0.05 U	--	6.93	--	--	334
3/22/16	34.0	0.20 U	10.0 U	111.0000	--	13	80.0	1.5600	2	0.05 U	--	8.03	--	--	393
9/6/16	45.0	0.20 U	11.4	40.9000	--	7	92.0	0.5280	1	0.05 U	295	7.33	--	--	220
3/8/17	40.0	0.20 U	10.0 U	77.0000	--	15	120.0	1.2700	1	0.05 U	228	7.13	--	--	572
9/13/17	45.0	0.20 U	10.0 U	40.1000	--	7	100.0	1.0988	1	0.06	321	7.43	--	--	223
4/3/18	34.5	0.20 U	10.0 U	181.0000	--	12	88.6	1.6500	2	0.05 U	215	7.33	--	--	583
9/11/18	33.4	0.31	17.1	24.4000	--	8	52.1	0.6450	1	0.05 U	44	7.29	--	--	153
4/8/19	104.0	0.10 U	21.0	152.0000	--	14	188.0 B	1.6000	--	--	136	9.18	9.02	--	860
7/30/19	123.0	0.10 U	15.9	140.0000	--	8	210.0 B	1.8000	--	--	200	7.76	7.96	--	751
3/10/20	112.0	0.11	9.0	135.0000	--	12	207.0	1.5000	--	--	147	8.15	8.05	--	571
8/3/20	48.8	0.23	40.4	49.8000	--	7	85.1	0.5700	--	--	35	8.21	7.40	--	307

**Gude Landfill**  
**Monitoring Location ST80 - General Parameters**

Printed 10/24/20

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
MCL/ GWPS									
4/2/01	--	--	--	--	--	--	--	9.7	--
9/5/01	--	--	--	--	--	--	--	2.5	--
3/13/02	--	--	--	--	--	--	--	28.3	--
6/3/03	--	--	--	--	--	0 U	--	51.0	--
9/21/04	--	--	--	--	--	0 U	--	--	--
4/6/05	--	--	--	--	--	0 U	--	--	--
9/21/05	--	--	--	--	--	0 U	--	--	--
4/5/06	--	--	--	--	--	0	--	--	--
9/26/06	--	--	--	--	--	0	--	--	--
4/18/07	--	--	--	--	--	0 U	--	--	--
10/4/07	--	--	--	--	--	0	--	--	--
3/27/08	--	--	--	--	--	0 U	--	--	--
9/24/08	--	--	--	--	--	0 U	--	--	--
9/22/09	--	8.2	--	--	144	--	--	1.9	--
8/3/10	--	--	3.0 U	--	--	--	--	--	--
9/23/10	--	5.5	--	--	168	--	--	7.9	--
4/18/11	--	6.6	--	--	144	--	--	91.8	--
9/12/11	--	6.0	--	--	160	--	--	--	--
3/5/12	--	5.8	--	--	168	--	--	--	--

**Gude Landfill**  
**Monitoring Location ST80 - General Parameters**

	Specific Conductivity, Lab (umhos/cm)	Sulfate, total (mg/L)	Sulfide (mg/L)	Temperature, field (°C)	Total Dissolved Solids (mg/L)	Total Phenolics (mg/L)	Total Suspended Solids (mg/L)	Turbidity (NTU)	Turbidity, Field (NTU)
9/18/12	--	5.6	--	--	160	--	--	--	--
3/18/13	--	8.5	--	7.4	246	--	--	--	1000.0
9/23/13	--	6.4	--	18.4	180	--	--	--	4.0
3/6/14	--	10.0	--	4.5	396	--	--	--	8.8
9/4/14	--	5.9	--	23.1	168	--	--	--	--
3/19/15	--	8.6	--	5.5	362	--	--	--	24.0
9/9/15	--	7.6	--	22.1	172	--	--	--	--
3/22/16	--	8.7	--	9.2	236	--	--	--	2.3
9/6/16	--	4.7	--	21.3	154	--	--	--	0.6
3/8/17	--	8.6	--	8.2	213	--	--	--	1.5
9/13/17	--	6.3	--	18.7	195	--	--	--	0.5
4/3/18	--	8.3	--	9.9	397	--	--	--	2.4
9/11/18	--	4.5	--	20.6	81	--	--	--	1.2
4/8/19	723	27.5	--	18.7	445	--	4.4	4.6	5.9
7/30/19	735	21.9	--	22.2	465	--	2.4 U	0.8	0.0
3/10/20	680	22.6	--	10.8	378	--	2.9	2.6	119.3
8/3/20	281	4.9	--	25.5	192	--	3.6	6.8	11.9

**Gude Landfill**  
**Monitoring Location ST80 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004		0.005		0.1				0.015	
4/2/01	0.0007 U	0.0020 U	0.0247	0.0005 U	--	0.0006 U	--	0.0020 U	0.0020 U	0.0173	--	0.0020 U	--
9/5/01	0.0020 U	0.0020 U	0.0250	0.0017 U	--	0.0006 U	--	0.0012 U	0.0020 U	0.0063	--	0.0020 U	--
3/13/02	0.0005 U	0.0020 U	0.0854	0.0017 U	--	0.0006 U	--	0.0061	0.0071	0.0126	--	0.0080	--
6/3/03	0.0007 U	0.0020 U	0.0282	0.0004 U	--	0.0004 U	--	0.0020 U	0.0020 U	0.0172	--	0.0020 U	--
9/21/04	0.0028 U	0.0006 U	0.0252	0.0012 U	--	0.0003 U	--	0.0020 U	0.0005 U	0.0133	--	0.0020 U	--
4/6/05	0.0028 U	0.0006 U	0.0298	0.0012 U	--	0.0003 U	--	0.0042	0.0020 U	0.0116	--	0.0020	--
9/21/05	0.0028 U	0.0020 U	0.0436	0.0012 U	--	0.0003 U	--	0.0020 U	0.0023	0.0117	--	0.0028	--
4/5/06	0.0006 U	0.0006 U	0.0294	0.0007 U	--	0.0004 U	--	0.0020 U	0.0005 U	0.0125	--	0.0023	--
9/26/06	0.0007 U	0.0008 U	0.0265	0.0009 U	--	0.0006 U	--	0.0020 U	0.0005 U	0.0051	--	0.0020 U	--
4/18/07	0.0007 U	0.0008 U	0.0297	0.0009 U	0.025	--	--	0.0026	0.0020 U	0.0072	--	0.0020 U	--
10/4/07	0.0007 U	0.0008 U	0.0490	0.0009 U	0.061	--	--	0.0021	0.0020 U	0.0070	--	0.0020 U	--
3/27/08	0.0005 U	0.0006 U	0.0305	0.0010 U	0.020 U	--	--	0.0020 U	0.0020 U	0.0061	--	0.0020 U	--
9/24/08	0.0010 U	0.0012 U	0.0405	0.0020 U	0.041	--	--	0.0016 U	0.0024 U	0.0056	--	0.0020 U	--
3/5/09	0.0020 U	0.0020 U	0.0513	0.0002 U	0.015	--	--	0.0020 U	0.0020 U	0.0064	--	0.0020 U	--
9/22/09	0.0020 U	0.0020 U	0.0365	0.0020 U	--	0.0020 U	16.2	0.0020 U	0.0020 U	0.0056	0.3	0.0020 U	7.410
8/3/10	0.0010 U	0.0012	0.0400	0.0010 U	--	0.0010 U	--	0.0010 U	0.0010 U	0.0010	--	0.0010 U	--
9/23/10	0.0050 U	0.0050 U	0.0311	0.0050 U	--	0.0050 U	12.5	0.0050 U	0.0050 U	0.0066	0.9	0.0050 U	6.230
4/18/11	0.0050 U	0.0050 U	0.0387	0.0050 U	--	0.0050 U	11.8	0.0050 U	0.0050 U	0.0068	1.4	0.0050 U	5.730
9/12/11	0.0050 U	0.0050 U	0.0315	0.0050 U	--	0.0050 U	11.9	0.0050 U	0.0050 U	0.0050	0.5	0.0050 U	5.470
3/5/12	0.0050 U	0.0050 U	0.0346	0.0050 U	--	0.0050 U	14.2	0.0050 U	0.0050 U	0.0058	0.7	0.0050 U	7.920
9/18/12	0.0050 U	0.0050 U	0.0440	0.0050 U	--	0.0050 U	18.6	0.0050 U	0.0050 U	0.0050 U	1.2	0.0050 U	11.200
3/18/13	0.0050 U	0.0050 U	0.0408	0.0050 U	--	0.0050 U	16.5	0.0050 U	0.0050 U	0.0061	0.8	0.0050 U	8.710
9/23/13	0.0050 U	0.0050 U	0.0391	0.0050 U	--	0.0050 U	17.5	0.0050 U	0.0050 U	0.0084	0.6	0.0050 U	10.500

Shaded concentrations represent MCL/GWPS exceedances

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**Gude Landfill**  
**Monitoring Location ST80 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Boron, total (mg/L)	Cadmium, total (mg/L)	Calcium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Iron, total (mg/L)	Lead, total (mg/L)	Magnesium, total (mg/L)
3/6/14	0.0050 U	0.0050 U	0.0505	0.0050 U	--	0.0050 U	16.4	0.0050 U	0.0050 U	0.0050 U	0.5	0.0050 U	9.320
9/4/14	0.0050 U	0.0050 U	0.0370	0.0050 U	--	0.0050 U	15.8	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	7.830
3/19/15	0.0020 U	0.0020 U	0.0430	0.0020 U	--	0.0040 U	14.0	0.0100 U	0.0100 U	0.0026 J	1.0	0.0020 U	7.300
9/9/15	0.0010 U	0.0010 U	0.0400	0.0010 U	--	0.0005 U	24.0	0.0050 U	0.0050 U	0.0050 U	0.4	0.0010 U	13.000
3/22/16	0.0020 U	0.0020 U	0.0407	0.0020 U	--	0.0020 U	16.4	0.0020 U	0.0020 U	0.0020 U	0.3	0.0020 U	9.040
9/6/16	0.0020 U	0.0020 U	0.0384	0.0020 U	--	0.0020 U	15.9	0.0020 U	0.0020 U	0.0020 U	0.8	0.0020 U	8.130
3/8/17	0.0050 U	0.0050 U	0.0465	0.0050 U	--	0.0050 U	21.7	0.0050 U	0.0050 U	0.0061	0.5	0.0050 U	11.800
9/13/17	0.0050 U	0.0050 U	0.0383	0.0050 U	--	0.0050 U	19.6	0.0050 U	0.0050 U	0.0050 U	0.9	0.0050 U	9.240
4/3/18	0.0050 U	0.0050 U	0.0541	0.0050 U	--	0.0050 U	18.8	0.0050 U	0.0050 U	0.0050 U	0.6	0.0050 U	10.100
9/11/18	0.0050 U	0.0050 U	0.0349	0.0050 U	--	0.0050 U	11.7	0.0050 U	0.0050 U	0.0050 U	1.3	0.0050 U	5.540
4/8/19	0.0010 U	0.0010 U	0.0644	0.0010 U	--	0.0010 U	38.6	0.0099	0.0010	0.0030	0.6	0.0010 U	22.200
7/30/19	0.0010 U	0.0010 U	0.0694	0.0010 U	--	0.0010 U	47.7 B	0.0010 U	0.0010 U	0.0010 U	0.1	0.0010 U	22.100
3/10/20	0.0010 U	0.0010 U	0.0738	0.0010 U	--	0.0010 U	43.2	0.0033	0.0010	0.0010 U	0.4	0.0010 U	24.100
8/3/20	0.0010 U	0.0010 U	0.0411	0.0010 U	--	0.0010 U	15.7	0.0010 U	0.0010 U	0.0010 U	1.1	0.0010 U	11.100



**Gude Landfill**  
**Monitoring Location ST80 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			0.05			0.002			
4/2/01	0.123	0.0002 U	0.0032	--	0.0018 U	0.0052 U	--	0.0009 U	0.2000 U	0.0022	0.0100 U
9/5/01	0.151	0.0001 U	0.0030 U	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0020 U	--
3/13/02	0.720	0.0001 U	0.0109	--	0.0009 U	0.0044 U	--	0.0009 U	0.2000 U	0.0148	--
6/3/03	0.115	0.0002 U	0.0037	--	0.0012 U	0.0096 U	--	0.0010 U	0.0008 U	0.0020 U	--
9/21/04	0.211	0.0001 U	0.0022	--	0.0010 U	0.0018 U	--	0.0006 U	0.0003 U	0.0020 U	--
4/6/05	0.144	0.0001 U	0.0055	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0045	--
9/21/05	0.792	0.0001 U	0.0053	--	0.0010 U	0.0018 U	--	0.0006 U	0.0050 U	0.0030	--
4/5/06	0.074	0.0001 U	0.0028	--	0.0015 U	0.0004 U	--	0.0004 U	0.0050 U	0.0004 U	--
9/26/06	0.132	0.0002 U	0.0020 U	--	0.0008 U	0.0005 U	--	0.0007 U	0.0050 U	0.0020 U	--
4/18/07	--	0.0002 U	0.0056	--	0.0008 U	0.0005 U	--	0.0007 U	0.0500 U	0.0028	0.0091
10/4/07	--	0.0002 U	0.0043	--	0.0008 U	0.0005 U	--	0.0007 U	0.0020 U	0.0020 U	0.0085
3/27/08	--	0.0002 U	0.0036	--	0.0020 U	0.0001 U	--	0.0001 U	0.0500 U	0.0020 U	0.0066
9/24/08	--	0.0002 U	0.0040 U	--	0.0018 U	0.0016 U	--	0.0012 U	0.0011 U	0.0012 U	0.0200 U
3/5/09	--	0.0002 U	0.0035	--	0.0020 U	0.0009 U	--	0.0002 U	0.0011 U	0.0020 U	0.0078
9/22/09	0.126	0.0002 U	0.0042	3.08	0.0020 U	0.0020 U	17.4	0.0020 U	--	0.0020 U	0.0100 U
8/3/10	--	0.0002 U	0.0025	--	0.0010 U	0.0010 U	--	0.0010 U	0.0050 U	0.0050 U	0.0120
9/23/10	0.155	0.0002 U	0.0050 U	2.68	0.0050 U	0.0050 U	14.0	0.0050 U	--	0.0050 U	0.0050 U
4/18/11	0.149	0.0002 U	0.0055	2.16	0.0050 U	0.0050 U	14.6	0.0050 U	--	0.0050 U	0.0095
9/12/11	0.057	0.0002 U	--	3.82	0.0050 U	0.0050 U	12.1	0.0050 U	--	0.0050 U	0.0056
3/5/12	0.079	0.0002 U	--	2.57	0.0050 U	0.0050 U	28.2	0.0050 U	--	0.0050 U	0.0061
9/18/12	0.184	0.0002 U	--	3.80	0.0050 U	0.0050 U	16.4	0.0050 U	--	0.0050 U	0.0050 U
3/18/13	0.115	0.0002 U	--	2.69	0.0050 U	0.0050 U	64.6	0.0050 U	--	0.0050 U	0.0064
9/23/13	0.098	0.0002 U	--	3.86	0.0050 U	0.0050 U	17.2	0.0050 U	--	0.0050 U	0.0128

**Gude Landfill**  
**Monitoring Location ST80 - Total Metals**

Printed 10/24/20

	Manganese, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Potassium, total (mg/L)	Selenium, total (mg/L)	Silver, total (mg/L)	Sodium, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
3/6/14	0.107	0.0002 U	0.0051	2.53	0.0050 U	0.0050 U	110.0	0.0050 U	--	0.0050 U	0.0083
9/4/14	0.149	0.0002 U	0.0050 U	2.60	0.0050 U	0.0050 U	14.9	0.0050 U	--	0.0050 U	0.0079
3/19/15	0.130	0.0002 U	0.0058 J	3.00	0.0350 U	0.0100 U	92.0	0.0020 U	--	0.0100 U	0.0073 J
9/9/15	--	0.0002 U	0.0100 U	3.20	0.0050 U	0.0010 U	24.0	0.0010 U	--	0.0050 U	0.0050 U
3/22/16	0.096	0.0002 U	0.0025	2.04	0.0020 U	0.0020 U	49.1	0.0010 U	--	0.0020 U	0.0020 U
9/6/16	0.299	0.0002 U	0.0033	3.15	0.0020 U	0.0020 U	14.2	0.0010 U	--	0.0020 U	0.0022
3/8/17	0.113	0.0002 U	0.0050 U	2.40	0.0050 U	0.0050 U	29.6	0.0050 U	--	0.0050 U	0.0050 U
9/13/17	0.139	0.0002 U	0.0050 U	2.73	0.0050 U	0.0050 U	14.9	0.0050 U	--	0.0050 U	0.0167
4/3/18	0.088	0.0002 U	0.0050 U	2.22	0.0050 U	0.0050 U	84.0	0.0050 U	--	0.0050 U	0.0223
9/11/18	0.220	0.0002 U	0.0050 U	3.32	0.0050 U	0.0050 U	10.6	0.0050 U	--	0.0050 U	0.0050 U
4/8/19	0.194	0.0001 U	0.0046	6.73	0.0010 U	0.0010 U	63.7	0.0010 U	--	0.0010 U	0.0048
7/30/19	0.042	0.0001 U	0.0024	6.98	0.0010 U	0.0010 U	48.7 B	0.0010 U	--	0.0010 U	0.0040 U
3/10/20	0.249	0.0001 U	0.0048	6.08	0.0010 U	0.0010 U	50.6	0.0010 U	--	0.0010 U	0.0041
8/3/20	0.473	0.0001 U	0.0029	3.03	0.0010 U	0.0010 U	18.0	0.0010 U	--	0.0010 U	0.0042

Gude Landfill

Monitoring Location ST80 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,2,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
MCL/ GWPS	200		5		7						0.2	0.05	600	5	5
9/5/01	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
3/13/02	0.18 U	0.15 U	0.23 U	1.00 U	0.19 U	0.15 U	0.22 U	0.18 U	0.21 U	0.20 U	0.14 U	0.20 U	10.0 U	0.17 U	0.21 U
6/3/03	0.18 U	0.15 U	0.23 U	0.22 U	0.19 U	0.15 U	0.22 U	4.68	1.00 U	0.20 U	1.12	0.20 U	10.0 U	0.17 U	0.21 U
9/21/04	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/6/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/21/05	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	2.09	0.40 U	1.00 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/5/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
9/26/06	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
4/18/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
10/4/07	0.13 U	0.24 U	0.44 U	0.25 U	0.27 U	0.37 U	0.35 U	0.41 U	0.40 U	0.29 U	0.33 U	0.28 U	10.0 U	0.27 U	0.34 U
3/27/08	0.18 U	0.18 U	0.21 U	0.23 U	0.22 U	0.18 U	0.26 U	0.50 U	0.14 U	0.24 U	0.24 U	0.16 U	0.3 U	0.18 U	0.17 U
9/24/08	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	0.1 U	0.13 U	0.15 U
3/5/09	0.12 U	0.17 U	0.14 U	0.17 U	0.14 U	0.15 U	0.13 U	0.13 U	0.17 U	0.13 U	0.20 U	0.08 U	10.0 U	0.13 U	0.15 U
9/22/09	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location ST80 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2,4-Trimethylbenzene (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--	0.05 U	0.02 U	1.0 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
MCL/ GWPS			75											5		
9/5/01	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
3/13/02	0.21 U	0.19 U	10.00 U	0.11 U	--	0.15 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
6/3/03	1.00 U	0.19 U	10.00 U	0.11 U	--	1.00 U	0.18 U	0.14 U	--	0.15 U	--	--	--	0.21 U	0.27 U	0.20 U
9/21/04	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	1.01	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/6/05	0.35 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/21/05	1.00 U	0.33 U	10.00 U	0.23 U	1.00 U	0.37 U	1.00 U	1.00 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/5/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
9/26/06	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
4/18/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
10/4/07	0.35 U	0.33 U	10.00 U	0.23 U	0.29 U	0.37 U	0.19 U	0.29 U	--	0.39 U	--	--	--	0.28 U	0.31 U	0.34 U
3/27/08	0.24 U	0.20 U	10.00 U	0.19 U	--	0.27 U	--	0.25 U	--	--	--	--	--	0.24 U	0.20 U	0.12 U
9/24/08	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
3/5/09	0.11 U	0.13 U	10.00 U	0.22 U	--	0.13 U	--	0.12 U	--	--	--	--	--	0.09 U	0.14 U	0.14 U
9/22/09	1.00 U	1.00 U	0.17 J	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	0.37 J	--	1 U	--	1.00 U	1.00 U	1.00 U
8/3/10	--	1.00 U	1.00 U	1.00 U	10.00 U	--	5.00 U	--	5 U	5.00 U	20 U	10 U	--	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	1.49 J	--	2 U	--	2.00 U	2.00 U	2.00 U
4/18/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/12/11	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
3/5/12	--	--	1.00 U	--	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	--	1.00 U	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

Printed 10/24/20

	1,3,5-Trimethylbenzene (ug/L)	1,3-Dichloropropane (ug/L)	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Chlorotoluene (ug/L)	2-Hexanone (ug/L)	4-Chlorotoluene (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Allyl Chloride (ug/L)	Benzene (ug/L)	Bromobenzene (ug/L)	Bromochloromethane (ug/L)
3/18/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	--
9/4/14	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	5.00 U	1.00 U	5 U	5.00 U	--	5 U	--	1.00 U	1.00 U	1.00 U
4/8/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	10.40	--	5 U	1 U	1.00 U	--	1.00 U
7/30/19	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
3/10/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U
8/3/20	--	1.00 U	1.00 U	1.00 U	5.00 U	--	5.00 U	--	5 U	5.00 U	--	5 U	1 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
MCL/ GWPS	80	80			5	100		80			70		80			700
9/5/01	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
3/13/02	0.18 U	0.14 U	0.15 U	0.38 U	0.15 U	1.09	0.2 U	0.23 U	0.21 U	--	1.00 U	0.19 U	0.17 U	2.41	--	0.26 U
6/3/03	0.18 U	0.14 U	0.15 U	2.35	0.15 U	0.28 U	0.2 U	0.23 U	0.21 U	--	0.22 U	0.19 U	0.17 U	1.00 U	--	0.26 U
9/21/04	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/6/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/21/05	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	1.00 U	--	0.23 U
4/5/06	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
9/26/06	0.31 U	0.27 U	1.00 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
4/18/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
10/4/07	0.31 U	0.27 U	0.31 U	0.75 U	0.25 U	0.40 U	0.3 U	0.27 U	0.25 U	--	0.28 U	0.29 U	0.27 U	0.20 U	--	0.23 U
3/27/08	0.19 U	0.12 U	0.50 U	--	0.13 U	0.17 U	0.1 U	0.21 U	0.15 U	--	0.25 U	0.13 U	0.15 U	0.19 U	--	0.26 U
9/24/08	0.11 U	0.16 U	0.50 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	0.14 U	0.12 U	0.13 U	0.15 U	--	0.12 U
3/5/09	0.11 U	0.16 U	0.12 U	--	0.14 U	0.16 U	0.1 U	0.12 U	0.20 U	--	0.14 U	0.12 U	0.13 U	0.15 U	--	0.12 U
9/22/09	1.00 U	1.00 U	1.00 U	2.50 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
8/3/10	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/10	2.00 U	2.00 U	2.00 U	5.00 U	2.00 U	2.00 U	2.0 U	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	--	2.00 U
4/18/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/12/11	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
3/5/12	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	1.00 U
9/18/12	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U

**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

Printed 10/24/20

	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	Chloroprene (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethyl Methacrylate (ug/L)	Ethylbenzene (ug/L)
3/18/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/23/13	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/6/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/4/14	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/19/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/9/15	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/22/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/6/16	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
3/8/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/13/17	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/3/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
9/11/18	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U
4/8/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
7/30/19	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
3/10/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U
8/3/20	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1 U	1.00 U	1.00 U	1.00 U	--	5 U	1.00 U



**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
MCL/ GWPS			10000					5			10000			100	
9/5/01	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	5.23	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
3/13/02	--	0.30 U	0.28 U	0.17 U	--	--	0.22 U	1.00 U	0.22 U	0.23 U	0.27 U	0.17 U	0.24 U	0.21 U	0.21 U
6/3/03	--	0.30 U	1.00 U	0.17 U	--	--	0.22 U	0.21 U	1.04	1.00 U	0.27 U	1.00 U	1.00 U	0.21 U	1.00 U
9/21/04	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/6/05	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/21/05	--	1.00 U	2.00 U	0.28 U	--	--	0.25 U	0.34 U	1.11	1.00 U	1.00 U	1.00 U	1.00 U	0.25 U	1.00 U
4/5/06	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
9/26/06	--	0.13 U	0.40 U	1.00 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
4/18/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
10/4/07	--	0.13 U	0.40 U	0.28 U	--	--	0.25 U	0.34 U	0.23 U	0.39 U	0.18 U	0.36 U	0.41 U	0.25 U	0.18 U
3/27/08	--	0.25 U	0.43 U	--	--	1.73 U	0.15 U	0.12 U	0.22 U	0.21 U	0.22 U	0.22 U	0.22 U	0.20 U	0.23 U
9/24/08	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
3/5/09	--	0.12 U	0.23 U	--	--	1.25 U	0.20 U	0.17 U	0.12 U	0.12 U	0.11 U	0.12 U	0.12 U	0.11 U	0.13 U
9/22/09	--	1.00 U	2.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
8/3/10	--	--	2.00 U	20.00 U	--	--	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
9/23/10	--	2.00 U	4.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U
4/18/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/12/11	--	--	--	1.00 U	--	2.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
3/5/12	--	--	--	1.00 U	--	1.00 U	1.00 U	1.00 U	--	--	--	--	--	1.00 U	--
9/18/12	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Shaded concentrations represent MCL/GWPS exceedances

Printed on Recycled Paper

**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

Printed 10/24/20

	Isobutyl Alcohol (ug/L)	Isopropylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methyl Methacrylate (ug/L)	Methyl Tertiary Butyl Ether (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	n-Butylbenzene (ug/L)	n-Propylbenzene (ug/L)	o-Xylene (ug/L)	p-Isopropyltoluene (ug/L)	sec-Butylbenzene (ug/L)	Styrene (ug/L)	tert-Butylbenzene (ug/L)
3/18/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/23/13	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/6/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/4/14	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/19/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/9/15	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/22/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/6/16	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
3/8/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/13/17	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/3/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
9/11/18	--	1.00 U	2.00 U	5.00 U	--	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U
4/8/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
7/30/19	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
3/10/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--
8/3/20	100 U	--	1.00 U	1.00 U	5 U	1.00 U	1.00 U	1.00 U	--	--	1.00 U	--	--	1.00 U	--

**Gude Landfill**  
**Monitoring Location ST80 - Volatile Organic Compounds**

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
MCL/ GWPS	5	1000	80	100			5			2	10000
9/5/01	1.00 U	0.24 U	--	0.22 U	0.13 U	0.14 U	0.19 U	0.18 U	--	--	--
3/13/02	3.86	0.24 U	--	0.22 U	0.13 U	0.14 U	1.61	1.00 U	--	--	--
6/3/03	0.17 U	0.24 U	--	0.22 U	0.13 U	1.00 U	1.00 U	0.18 U	--	--	--
9/21/04	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/6/05	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/21/05	1.00 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/5/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
9/26/06	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
4/18/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
10/4/07	0.36 U	0.32 U	--	0.45 U	0.24 U	0.30 U	0.31 U	0.36 U	--	0.32 U	--
3/27/08	0.20 U	0.28 U	0	0.22 U	0.08 U	--	0.23 U	0.07 U	--	0.22 U	--
9/24/08	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
3/5/09	0.16 U	0.12 U	0	0.14 U	0.13 U	--	0.13 U	0.10 U	--	0.18 U	--
9/22/09	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	--	1.00 U	--
8/3/10	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	--
9/23/10	2.00 U	2.00 U	--	2.00 U	2.00 U	2.00 U	2.00 U	2.00 U	2 U	2.00 U	--
4/18/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
9/12/11	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	1 U
3/5/12	1.00 U	0.72	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U	2
9/18/12	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--

Gude Landfill

Printed 10/24/20

Monitoring Location ST80 - Volatile Organic Compounds

	Tetrachloroethene (ug/L)	Toluene (ug/L)	Total Trihalomethanes (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)	Xylene (ug/L)
3/18/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/23/13	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/6/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/4/14	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/19/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/9/15	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/22/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/6/16	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
3/8/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/13/17	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/3/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
9/11/18	1.00 U	1.00 U	--	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	5 U	1.00 U	--
4/8/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
7/30/19	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
3/10/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--
8/3/20	1.00 U	1.00 U	--	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1 U	1.00 U	--

**Gude Landfill**  
**Monitoring Location SW-1 - General Parameters**

Printed 10/24/20

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/3/10	0.050 U	3.0 U

**Gude Landfill**  
**Monitoring Location SW-1 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Lead, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Selenium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05
8/3/10	0.0010 U	0.0007 J	0.0390	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0010 U	0.0002 U	0.0047	0.0010 U

**Gude Landfill**  
**Monitoring Location SW-1 - Total Metals**

	Silver, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			
8/3/10	0.0010 U	0.0010 U	0.0050 U	0.0050 U	0.0110

**Gude Landfill**  
**Monitoring Location SW-1 - Volatile Organic Compounds**

Printed 10/24/20

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7				0.2	0.05	600	5	5	
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U



**Gude Landfill**  
**Monitoring Location SW-1 - Volatile Organic Compounds**

Printed 10/24/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS	75								5		80	80			5	100
8/3/10	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location SW-1 - Volatile Organic Compounds**

Printed 10/24/20

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		80		70		80		700	10000			5	10000	100	5
8/3/10	1.0 U	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	1.00 U	1.00 U	1.00 U	1.00 U	0.60 J

### Gude Landfill Monitoring Location SW-1 - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
8/3/10	1.00 U	1.00 U	1.00 U	5.00 U	0.50 J	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location SW-2 - General Parameters**

Printed 10/24/20

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/3/10	0.050 U	3.0 U

**Gude Landfill**  
**Monitoring Location SW-2 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Lead, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Selenium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05
8/3/10	0.0010 U	0.0008 J	0.0410	0.0010 U	0.0010 U	0.0010 U	0.0005 J	0.0008 J	0.0010 U	0.0002 U	0.0052	0.0010 U

### Gude Landfill Monitoring Location SW-2 - Total Metals

	Silver, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			
8/3/10	0.0010 U	0.0010 U	0.0050 U	0.0050 U	0.0120

Gude Landfill

Printed 10/24/20

Monitoring Location SW-2 - Volatile Organic Compounds

	1,1,1,2-Tetrachloroethane (ug/L)	1,1,1-Trichloroethane (ug/L)	1,1,1,2,2-Tetrachloroethane (ug/L)	1,1,2-Trichloroethane (ug/L)	1,1-Dichloroethane (ug/L)	1,1-Dichloroethene (ug/L)	1,1-Dichloropropene (ug/L)	1,2,3-Trichlorobenzene (ug/L)	1,2,3-Trichloropropane (ug/L)	1,2-Dibromo-3-chloropropane (ug/L)	1,2-Dibromoethane (ug/L)	1,2-Dichlorobenzene (ug/L)	1,2-Dichloroethane (ug/L)	1,2-Dichloropropane (ug/L)	1,3-Dichloropropane (ug/L)
MCL/ GWPS		200		5		7				0.2	0.05	600	5	5	
8/3/10	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	10.00 U	1.00 U	1.0 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location SW-2 - Volatile Organic Compounds**

Printed 10/24/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS	75								5		80	80			5	100
8/3/10	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U



**Gude Landfill**  
**Monitoring Location SW-2 - Volatile Organic Compounds**

Printed 10/24/20

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		80		70		80		700	10000			5	10000	100	5
8/3/10	1.0 U	1.00 U	1.00 U	1.00	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

Gude Landfill

Printed 10/24/20

Monitoring Location SW-2 - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
8/3/10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location SW-3 - General Parameters**

Printed 10/24/20

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/3/10	0.050 U	3.0 U

**Gude Landfill**  
**Monitoring Location SW-3 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Lead, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Selenium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05
8/3/10	0.0010 U	0.0015	0.2300	0.0010 U	0.0010 U	0.0026	0.0390	0.0090	0.0013	0.0002 U	0.0560	0.0010 U

**Gude Landfill**  
**Monitoring Location SW-3 - Total Metals**

	Silver, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			
8/3/10	0.0010 U	0.0010 U	0.0050 U	0.0026 J	0.0150

Gude Landfill

Printed 10/24/20

Monitoring Location SW-3 - Volatile Organic Compounds

Compound Name	MCL/GWPS	8/3/10
1,1,1,2-Tetrachloroethane (ug/L)		1.00 U
1,1,1-Trichloroethane (ug/L)	200	1.00 U
1,1,1,2,2-Tetrachloroethane (ug/L)		1.00 U
1,1,2-Trichloroethane (ug/L)	5	1.00 U
1,1-Dichloroethane (ug/L)		1.00 U
1,1-Dichloroethene (ug/L)	7	1.00 U
1,1-Dichloropropene (ug/L)		1.00 U
1,2,3-Trichlorobenzene (ug/L)		1.00 U
1,2,3-Trichloropropane (ug/L)		1.00 U
1,2-Dibromo-3-chloropropane (ug/L)	0.2	10.00 U
1,2-Dibromoethane (ug/L)	0.05	1.00 U
1,2-Dichlorobenzene (ug/L)	600	1.0 U
1,2-Dichloroethane (ug/L)	5	1.00 U
1,2-Dichloropropane (ug/L)	5	1.00 U
1,3-Dichloropropane (ug/L)		1.00 U

**Gude Landfill**  
**Monitoring Location SW-3 - Volatile Organic Compounds**

Printed 10/24/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS	75								5		80	80			5	100
8/3/10	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location SW-3 - Volatile Organic Compounds**

Printed 10/24/20

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		80		70		80		700	10000			5	10000	100	5
8/3/10	1.0 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U



### Gude Landfill Monitoring Location SW-3 - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
8/3/10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U

**Gude Landfill**  
**Monitoring Location SW-4 - General Parameters**

Printed 10/24/20

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/3/10	0.050 U	3.0 U

**Gude Landfill**  
**Monitoring Location SW-4 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Lead, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Selenium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05
8/3/10	0.0010 U	0.0007 J	0.0560	0.0010 U	0.0010 U	0.0010 U	0.0008 J	0.0015	0.0010 U	0.0002 U	0.0066	0.0010 U

### Gude Landfill Monitoring Location SW-4 - Total Metals

	Silver, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			
8/3/10	0.0010 U	0.0010 U	0.0050 U	0.0050 U	0.0140

Gude Landfill

Printed 10/24/20

Monitoring Location SW-4 - Volatile Organic Compounds

Compound Name (ug/L)	MCL/GWPS	8/3/10
1,1,1,2-Tetrachloroethane (ug/L)		1.00 U
1,1,1-Trichloroethane (ug/L)	200	1.00 U
1,1,1,2,2-Tetrachloroethane (ug/L)		1.00 U
1,1,2-Trichloroethane (ug/L)	5	1.00 U
1,1-Dichloroethane (ug/L)		1.00 U
1,1-Dichloroethene (ug/L)	7	1.00 U
1,1-Dichloropropene (ug/L)		1.00 U
1,2,3-Trichlorobenzene (ug/L)		1.00 U
1,2,3-Trichloropropane (ug/L)		1.00 U
1,2-Dibromo-3-chloropropane (ug/L)	0.2	10.00 U
1,2-Dibromoethane (ug/L)	0.05	1.00 U
1,2-Dichlorobenzene (ug/L)	600	1.0 U
1,2-Dichloroethane (ug/L)	5	1.00 U
1,2-Dichloropropane (ug/L)	5	1.00 U
1,3-Dichloropropane (ug/L)		1.00 U

**Gude Landfill**  
**Monitoring Location SW-4 - Volatile Organic Compounds**

Printed 10/24/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS	75								5		80	80			5	100
8/3/10	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location SW-4 - Volatile Organic Compounds**

Printed 10/24/20

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		80		70		80		700	10000			5	10000	100	5
8/3/10	1.0 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location SW-4 - Volatile Organic Compounds**

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
8/3/10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U



**Gude Landfill**  
**Monitoring Location SW-5 - General Parameters**

Printed 10/24/20

	Cyanide, Total (mg/L)	Sulfide (mg/L)
MCL/ GWPS	0.2	
8/3/10	0.050 U	3.0 U

**Gude Landfill**  
**Monitoring Location SW-5 - Total Metals**

Printed 10/24/20

	Antimony, total (mg/L)	Arsenic, total (mg/L)	Barium, total (mg/L)	Beryllium, total (mg/L)	Cadmium, total (mg/L)	Chromium, total (mg/L)	Cobalt, total (mg/L)	Copper, total (mg/L)	Lead, total (mg/L)	Mercury, total (mg/L)	Nickel, total (mg/L)	Selenium, total (mg/L)
MCL/ GWPS	0.006	0.01	2	0.004	0.005	0.1			0.015	0.002		0.05
8/3/10	0.0010 U	0.0006 J	0.0370	0.0010 U	0.0010 U	0.0006 J	0.0010 U	0.0014	0.0010 U	0.0002 U	0.0026	0.0010 U

**Gude Landfill**  
**Monitoring Location SW-5 - Total Metals**

	Silver, total (mg/L)	Thallium, total (mg/L)	Tin, total (mg/L)	Vanadium, total (mg/L)	Zinc, total (mg/L)
MCL/ GWPS		0.002			
8/3/10	0.0010 U	0.0010 U	0.0050 U	0.0050 U	0.0130

Gude Landfill

Printed 10/24/20

Monitoring Location SW-5 - Volatile Organic Compounds

Compound Name	MCL/GWPS	8/3/10
1,1,1,2-Tetrachloroethane (ug/L)		1.00 U
1,1,1-Trichloroethane (ug/L)	200	1.00 U
1,1,1,2,2-Tetrachloroethane (ug/L)		1.00 U
1,1,2-Trichloroethane (ug/L)	5	1.00 U
1,1-Dichloroethane (ug/L)		1.00 U
1,1-Dichloroethene (ug/L)	7	1.00 U
1,1-Dichloropropene (ug/L)		1.00 U
1,2,3-Trichlorobenzene (ug/L)		1.00 U
1,2,3-Trichloropropane (ug/L)		1.00 U
1,2-Dibromo-3-chloropropane (ug/L)	0.2	10.00 U
1,2-Dibromoethane (ug/L)	0.05	1.00 U
1,2-Dichlorobenzene (ug/L)	600	1.0 U
1,2-Dichloroethane (ug/L)	5	1.00 U
1,2-Dichloropropane (ug/L)	5	1.00 U
1,3-Dichloropropane (ug/L)		1.00 U

**Gude Landfill**  
**Monitoring Location SW-5 - Volatile Organic Compounds**

Printed 10/24/20

	1,4-Dichlorobenzene (ug/L)	2,2-Dichloropropane (ug/L)	2-Butanone (ug/L)	2-Hexanone (ug/L)	4-Methyl-2-Pentanone (ug/L)	Acetone (ug/L)	Acrolein (ug/L)	Acrylonitrile (ug/L)	Benzene (ug/L)	Bromochloromethane (ug/L)	Bromodichloromethane (ug/L)	Bromoform (ug/L)	Bromomethane (ug/L)	Carbon Disulfide (ug/L)	Carbon Tetrachloride (ug/L)	Chlorobenzene (ug/L)
MCL/ GWPS	75								5		80	80			5	100
8/3/10	1.00 U	1.00 U	10.00 U	5.00 U	5 U	5.00 U	20 U	10 U	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1.00 U	1.00 U

**Gude Landfill**  
**Monitoring Location SW-5 - Volatile Organic Compounds**

Printed 10/24/20

	Chloroethane (ug/L)	Chloroform (ug/L)	Chloromethane (ug/L)	cis-1,2-Dichloroethene (ug/L)	cis-1,3-Dichloropropene (ug/L)	Dibromochloromethane (ug/L)	Dichlorodifluoromethane (ug/L)	Ethylbenzene (ug/L)	m&p-Xylene (ug/L)	Methyl Iodide (ug/L)	Methylene Bromide (ug/L)	Methylene Chloride (ug/L)	o-Xylene (ug/L)	Styrene (ug/L)	Tetrachloroethene (ug/L)
MCL/ GWPS		80		70		80		700	10000			5	10000	100	5
8/3/10	1.0 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U	2.00 U	20.00 U	1.00 U	1.00 U	1.00 U	1.00 U	1.00 U

### Gude Landfill Monitoring Location SW-5 - Volatile Organic Compounds

	Toluene (ug/L)	trans-1,2-Dichloroethene (ug/L)	trans-1,3-Dichloropropene (ug/L)	trans-1,4-Dichloro-2-butene (ug/L)	Trichloroethene (ug/L)	Trichlorofluoromethane (ug/L)	Vinyl Acetate (ug/L)	Vinyl Chloride (ug/L)
MCL/ GWPS	1000	100			5			2
8/3/10	1.00 U	1.00 U	1.00 U	5.00 U	1.00 U	1.00 U	1 U	1.00 U

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